nifcloud-sdk-python Documentation

Release 1.7.1

FUJITSU CLOUD TECHNOLOGIES

Jul 28, 2023

Contents

The NIFCLOUD SDK for Python is data-driven SDK. It works by feeding AWS-SDK-compatible model JSONs to botocore module.

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CHAPTER 1

Available Services

1.1 computing

1.1.1 Client

class computing.**Client**

A low-level client representing NIFCLOUD Computing

```
client = session.create_client('computing')
```

These are the available methods:

computing / Client / allocate_address

allocate_address

computing.Client.**allocate_address**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.allocate_address(
    Domain='string',
    InstanceId='string',
    NiftyPrivateIp=True|False,
    Placement={
        'AvailabilityZone': 'string'
    }
)
```

Parameters

- **Domain** (*string*) –

- **InstanceId** (*string*) –
- **NiftyPrivateIp** (*boolean*) –
- **Placement** (*dict*) –
  - **AvailabilityZone** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'Placement': {
        'AvailabilityZone': 'string'
    },
    'PrivateIpAddress': 'string',
    'PublicIp': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **Placement** *(dict)* –
    - **AvailabilityZone** *(string)* –
  - **PrivateIpAddress** *(string)* –
  - **PublicIp** *(string)* –
  - **RequestId** *(string)* –

computing / Client / associate_address

associate_address

`computing.Client.`**`associate_address`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.associate_address(
    AllocationId='string',
    AllowReassociation=True|False,
    InstanceId='string',
    NetworkInterfaceId='string',
    NiftyReboot='force'|'true'|'false',
    PrivateIpAddress='string',
    PublicIp='string'
)
```

Parameters

- **AllocationId** (*string*) –
- **AllowReassociation** (*boolean*) –
- **InstanceId** (*string*) – **[REQUIRED]**

- **NetworkInterfaceId** (*string*) –
- **NiftyReboot** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PublicIp** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / associate_multi_ip_address_group

associate_multi_ip_address_group

computing.Client.**associate_multi_ip_address_group**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.associate_multi_ip_address_group(
    InstanceUniqueId='string',
    MultiIpAddressGroupId='string',
    NiftyReboot='force'|'true'|'false'
)
```

Parameters

- **InstanceUniqueId** (*string*) – **[REQUIRED]**
- **MultiIpAddressGroupId** (*string*) – **[REQUIRED]**
- **NiftyReboot** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / associate_route_table

associate_route_table

`computing.Client.`**`associate_route_table`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.associate_route_table(
    Agreement=True|False,
    RouteTableId='string',
    RouterId='string',
    RouterName='string',
    SubnetId='string'
)
```

Parameters

- **`Agreement`** (*`boolean`*) –
- **`RouteTableId`** (*`string`*) – **[REQUIRED]**
- **`RouterId`** (*`string`*) –
- **`RouterName`** (*`string`*) –
- **`SubnetId`** (*`string`*) –

Return type dict

Returns

Response Syntax

```
{
    'AssociationId': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **AssociationId** *(string)* –
  - **RequestId** *(string)* –

computing / Client / associate_users

associate_users

`computing.Client.`**`associate_users`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.associate_users(
    FunctionName='LB',
    Users=[
        {
            'UserId': 'string'
        },
    ]
)
```

Parameters

- **FunctionName** (*string*) – **[REQUIRED]**
- **Users** (*list*) – **[REQUIRED]**
  - *(dict)* –
    - **UserId** *(string)* – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'AssociateUsersResult': {
        'Users': [
            {
                'UserId': 'string'
            },
        ]
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **AssociateUsersResult** *(dict)* –
    - **Users** *(list)* –
      - *(dict)* –
      - **UserId** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / attach_iso_image

attach_iso_image

computing.Client.**attach_iso_image**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.attach_iso_image(
    InstanceUniqueId='string',
    IsoImageId='string'
)
```

Parameters

- **InstanceUniqueId** (*string*) – **[REQUIRED]**
- **IsoImageId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / attach_network_interface

attach_network_interface

computing.Client.**attach_network_interface**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.attach_network_interface(
    InstanceId='string',
    InstanceUniqueId='string',
    NetworkInterfaceId='string',
    NiftyReboot='force'|'true'|'false'
)
```

Parameters

- **InstanceId** (*string*) –
- **InstanceUniqueId** (*string*) –
- **NetworkInterfaceId** (*string*) – **[REQUIRED]**
- **NiftyReboot** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'AttachmentId': 'string',
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **AttachmentId** *(string)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / attach_volume

attach_volume

`computing.Client.`**`attach_volume`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.attach_volume(
    Device='string',
    InstanceId='string',
    VolumeId='string'
)
```

Parameters

- **`Device`** (*`string`*) –
- **`InstanceId`** (*`string`*) – **[REQUIRED]**
- **`VolumeId`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'AttachTime': 'string',
    'Device': 'string',
    'InstanceId': 'string',
    'InstanceUniqueId': 'string',
    'RequestId': 'string',
    'Status': 'string',
    'VolumeId': 'string',
    'VolumeUniqueId': 'string'
}
```

Response Structure

- *(dict)* –
  - **AttachTime** *(string)* –

- **Device** *(string)* –
- **InstanceId** *(string)* –
- **InstanceUniqueId** *(string)* –
- **RequestId** *(string)* –
- **Status** *(string)* –
- **VolumeId** *(string)* –
- **VolumeUniqueId** *(string)* –

computing / Client / authorize_security_group_ingress

authorize_security_group_ingress

`computing.Client.`**`authorize_security_group_ingress`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.authorize_security_group_ingress(
    GroupName='string',
    IpPermissions=[
        {
            'Description': 'string',
            'FromPort': 123,
            'InOut': 'IN'|'OUT',
            'IpProtocol': 'ANY'|'TCP'|'UDP'|'ICMP'|'SSH'|'HTTP'|'HTTPS'|'RDP'|'GRE
↪'|'ESP'|'AH'|'VRRP'|'L2TP'|'ICMPv6-all',
            'ListOfRequestGroups': [
                {
                    'GroupName': 'string',
                    'UserId': 'string'
                },
            ],
            'ListOfRequestIpRanges': [
                {
                    'CidrIp': 'string'
                },
            ],
            'ToPort': 123
        },
    ],
    UserId='string'
)
```

Parameters

- **`GroupName`** (*`string`*) – **[REQUIRED]**
- **`IpPermissions`** (*`list`*) –
  - *(dict)* –
    - **Description** *(string)* –
    - **FromPort** *(integer)* –
    - **InOut** *(string)* –

        - **IpProtocol** *(string)* –
        - **ListOfRequestGroups** *(list)* –
          - *(dict)* –
          - **GroupName** *(string)* –
          - **UserId** *(string)* –
        - **ListOfRequestIpRanges** *(list)* –
          - *(dict)* –
          - **CidrIp** *(string)* –
        - **ToPort** *(integer)* –
    - **UserId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / can_paginate

can_paginate

computing.Client.**can_paginate**(*operation_name*)

Check if an operation can be paginated.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Returns `True` if the operation can be paginated, `False` otherwise.

computing / Client / cancel_copy_instances

cancel_copy_instances

computing.Client.**cancel_copy_instances**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.cancel_copy_instances(
    InstanceId='string'
)
```

Parameters **InstanceId** (*string*) – **[REQUIRED]**
Return type dict
Returns

Response Syntax

```
{
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –

computing / Client / cancel_upload

cancel_upload

computing.Client.**cancel_upload**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.cancel_upload(
    ConversionTaskId='string'
)
```

Parameters **ConversionTaskId** (*string*) – **[REQUIRED]**
Return type dict
Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / clear_load_balancer_session

clear_load_balancer_session

computing.Client.**clear_load_balancer_session**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.clear_load_balancer_session(
    InstancePort=123,
    LoadBalancerName='string',
    LoadBalancerPort=123
)
```

Parameters

- **InstancePort** (*integer*) – **[REQUIRED]**
- **LoadBalancerName** (*string*) – **[REQUIRED]**
- **LoadBalancerPort** (*integer*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'ClearLoadBalancerSessionResult': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **ClearLoadBalancerSessionResult** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / close

close

computing.Client.**close**()

Closes underlying endpoint connections.

computing / Client / configure_health_check

configure_health_check

computing.Client.**configure_health_check**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.configure_health_check(
    HealthCheck={
        'HealthyThreshold': 123,
        'Interval': 123,
        'Target': 'string',
        'Timeout': 123,
        'UnhealthyThreshold': 123
    },
    InstancePort=123,
    LoadBalancerName='string',
```

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```
    LoadBalancerPort=123
)
```

Parameters

- **HealthCheck** (*dict*) – **[REQUIRED]**
  - **HealthyThreshold** *(integer)* –
  - **Interval** *(integer)* – **[REQUIRED]**
  - **Target** *(string)* – **[REQUIRED]**
  - **Timeout** *(integer)* –
  - **UnhealthyThreshold** *(integer)* – **[REQUIRED]**
- **InstancePort** (*integer*) – **[REQUIRED]**
- **LoadBalancerName** (*string*) – **[REQUIRED]**
- **LoadBalancerPort** (*integer*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'ConfigureHealthCheckResult': {
        'HealthCheck': {
            'HealthyThreshold': 123,
            'Interval': 123,
            'Target': 'string',
            'UnhealthyThreshold': 123
        }
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **ConfigureHealthCheckResult** *(dict)* –
    - **HealthCheck** *(dict)* –
      - **HealthyThreshold** *(integer)* –
      - **Interval** *(integer)* –
      - **Target** *(string)* –
      - **UnhealthyThreshold** *(integer)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / copy_from_backup_instance

copy_from_backup_instance

computing.Client.**copy_from_backup_instance**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.copy_from_backup_instance(
    AccountingType='1'|'2',
    BackupInstanceUniqueId='string',
    Description='string',
    DisableApiTermination=True|False,
    InstanceId='string',
    InstanceType='e-mini'|'h2-mini'|'mini'|'c-small'|'e-small'|'h2-small'|'small'|
↪'c-small2'|'e-small2'|'h2-small2'|'small2'|'c-small4'|'e-small4'|'h2-small4'|
↪'small4'|'e-small8'|'h2-small8'|'small8'|'e-small16'|'h2-small16'|'small16'|'c-
↪medium'|'e-medium'|'h2-medium'|'medium'|'c-medium4'|'e-medium4'|'h2-medium4'|
↪'medium4'|'c-medium8'|'e-medium8'|'h2-medium8'|'medium8'|'e-medium16'|'h2-
↪medium16'|'medium16'|'e-medium24'|'h2-medium24'|'medium24'|'c-large'|'e-large'|
↪'h2-large'|'large'|'c-large8'|'e-large8'|'h2-large8'|'large8'|'e-large16'|'h2-
↪large16'|'large16'|'e-large24'|'h2-large24'|'large24'|'e-large32'|'h2-large32'|
↪'large32'|'e-extra-large8'|'h2-extra-large8'|'extra-large8'|'e-extra-large16'|
↪'h2-extra-large16'|'extra-large16'|'e-extra-large24'|'h2-extra-large24'|'extra-
↪large24'|'e-extra-large32'|'h2-extra-large32'|'extra-large32'|'e-extra-large48'|
↪'h2-extra-large48'|'extra-large48'|'e-double-large16'|'h2-double-large16'|
↪'double-large16'|'e-double-large24'|'h2-double-large24'|'double-large24'|'e-
↪double-large32'|'h2-double-large32'|'double-large32'|'e-double-large48'|'h2-
↪double-large48'|'double-large48'|'e-double-large64'|'h2-double-large64'|'double-
↪large64'|'e-double-large96'|'h2-double-large96'|'double-large96'|'h2-triple-
↪large32'|'triple-large32'|'h2-triple-large48'|'triple-large48'|'h2-triple-
↪large64'|'triple-large64'|'h2-triple-large96'|'triple-large96'|'h2-triple-
↪large128'|'triple-large128'|'h2-quad-large64'|'quad-large64'|'h2-quad-large96'|
↪'quad-large96'|'h2-quad-large128'|'quad-large128'|'h2-septa-large128'|'septa-
↪large128',
    NetworkInterface=[
        {
            'IpAddress': 'string',
            'NetworkId': 'string',
            'NetworkName': 'string'
        },
    ],
    SecurityGroup=[
        'string',
    ]
)
```

Parameters

- **AccountingType** (*string*) –
- **BackupInstanceUniqueId** (*string*) – **[REQUIRED]**
- **Description** (*string*) –
- **DisableApiTermination** (*boolean*) –
- **InstanceId** (*string*) –
- **InstanceType** (*string*) –
- **NetworkInterface** (*list*) –
  - *(dict)* –
    - **IpAddress** *(string)* –

* **NetworkId** *(string)* –
* **NetworkName** *(string)* –

- **SecurityGroup** (*list*) –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'Instance': {
        'AccountingType': 'string',
        'Admin': 'string',
        'AmiLaunchIndex': 'string',
        'Architecture': 'string',
        'BlockDeviceMapping': [
            {
                'DeviceName': 'string',
                'Ebs': {
                    'AttachTime': 'string',
                    'DeleteOnTermination': 'string',
                    'Status': 'string',
                    'VolumeId': 'string',
                    'VolumeUniqueId': 'string'
                }
            },
        ],
        'Description': 'string',
        'DnsName': 'string',
        'ImageId': 'string',
        'InstanceId': 'string',
        'InstanceLifecycle': 'string',
        'InstanceState': {
            'Code': 123,
            'Name': 'string'
        },
        'InstanceType': 'string',
        'InstanceUniqueId': 'string',
        'IpAddress': 'string',
        'IpAddressV6': 'string',
        'IpType': 'string',
        'KernelId': 'string',
        'KeyName': 'string',
        'LaunchTime': 'string',
        'Monitoring': {
            'State': 'string'
        },
        'NetworkInterfaceSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
```

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```
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Attachment': {
                    'AttachTime': 'string',
                    'AttachmentId': 'string',
                    'DeleteOnTermination': 'string',
                    'DeviceIndex': 'string',
                    'InstanceId': 'string',
                    'InstanceOwnerId': 'string',
                    'Status': 'string'
                },
                'Description': 'string',
                'GroupSet': [
                    {
                        'GroupId': 'string'
                    },
                ],
                'MacAddress': 'string',
                'NetworkInterfaceId': 'string',
                'NiftyNetworkId': 'string',
                'NiftyNetworkName': 'string',
                'OwnerId': 'string',
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string',
                'PrivateIpAddressesSet': [
                    {
                        'Association': {
                            'AllocationId': 'string',
                            'AssociationId': 'string',
                            'IpOwnerId': 'string',
                            'PublicDnsName': 'string',
                            'PublicIp': 'string',
                            'PublicIpV6': 'string'
                        },
                        'Primary': 'string',
                        'PrivateDnsName': 'string',
                        'PrivateIpAddress': 'string'
                    },
                ],
                'SourceDestCheck': 'string',
                'Status': 'string',
                'SubnetId': 'string',
                'VpcId': 'string'
            },
        ],
        'NiftyPrivateIpType': 'string',
        'Placement': {
            'AvailabilityZone': 'string'
        },
        'Platform': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'ProductCodes': [
```

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```
            {
                'ProductCode': 'string'
            },
        ],
        'RamdiskId': 'string',
        'Reason': 'string',
        'RootDeviceName': 'string',
        'RootDeviceType': 'string',
        'SpotInstanceRequestId': 'string',
        'StateReason': {
            'Code': 'string',
            'Message': 'string'
        },
        'SubnetId': 'string',
        'VpcId': 'string'
    },
    'OwnerId': 'string',
    'RequestId': 'string',
    'ReservationId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **GroupSet** *(list)* –
    - *(dict)* –
      - **GroupId** *(string)* –
  - **Instance** *(dict)* –
    - **AccountingType** *(string)* –
    - **Admin** *(string)* –
    - **AmiLaunchIndex** *(string)* –
    - **Architecture** *(string)* –
    - **BlockDeviceMapping** *(list)* –
      - *(dict)* –
      - **DeviceName** *(string)* –
      - **Ebs** *(dict)* –
      - **AttachTime** *(string)* –
      - **DeleteOnTermination** *(string)* –
      - **Status** *(string)* –
      - **VolumeId** *(string)* –
      - **VolumeUniqueId** *(string)* –
    - **Description** *(string)* –
    - **DnsName** *(string)* –
    - **ImageId** *(string)* –

- **InstanceId** *(string)* –
- **InstanceLifecycle** *(string)* –
- **InstanceState** *(dict)* –
  - **Code** *(integer)* –
  - **Name** *(string)* –
- **InstanceType** *(string)* –
- **InstanceUniqueId** *(string)* –
- **IpAddress** *(string)* –
- **IpAddressV6** *(string)* –
- **IpType** *(string)* –
- **KernelId** *(string)* –
- **KeyName** *(string)* –
- **LaunchTime** *(string)* –
- **Monitoring** *(dict)* –
  - **State** *(string)* –
- **NetworkInterfaceSet** *(list)* –
  - *(dict)* –
  - **Association** *(dict)* –
  - **AllocationId** *(string)* –
  - **AssociationId** *(string)* –
  - **IpOwnerId** *(string)* –
  - **PublicDnsName** *(string)* –
  - **PublicIp** *(string)* –
  - **PublicIpV6** *(string)* –
  - **Attachment** *(dict)* –
  - **AttachTime** *(string)* –
  - **AttachmentId** *(string)* –
  - **DeleteOnTermination** *(string)* –
  - **DeviceIndex** *(string)* –
  - **InstanceId** *(string)* –
  - **InstanceOwnerId** *(string)* –
  - **Status** *(string)* –
  - **Description** *(string)* –
  - **GroupSet** *(list)* –
  - *(dict)* –
  - **GroupId** *(string)* –

- **MacAddress** *(string)* –
- **NetworkInterfaceId** *(string)* –
- **NiftyNetworkId** *(string)* –
- **NiftyNetworkName** *(string)* –
- **OwnerId** *(string)* –
- **PrivateDnsName** *(string)* –
- **PrivateIpAddress** *(string)* –
- **PrivateIpAddressesSet** *(list)* –
- *(dict)* –
- **Association** *(dict)* –
- **AllocationId** *(string)* –
- **AssociationId** *(string)* –
- **IpOwnerId** *(string)* –
- **PublicDnsName** *(string)* –
- **PublicIp** *(string)* –
- **PublicIpV6** *(string)* –
- **Primary** *(string)* –
- **PrivateDnsName** *(string)* –
- **PrivateIpAddress** *(string)* –
- **SourceDestCheck** *(string)* –
- **Status** *(string)* –
- **SubnetId** *(string)* –
- **VpcId** *(string)* –

* **NiftyPrivateIpType** *(string)* –
* **Placement** *(dict)* –
  - **AvailabilityZone** *(string)* –
* **Platform** *(string)* –
* **PrivateDnsName** *(string)* –
* **PrivateIpAddress** *(string)* –
* **PrivateIpAddressV6** *(string)* –
* **ProductCodes** *(list)* –
  - *(dict)* –
  - **ProductCode** *(string)* –
* **RamdiskId** *(string)* –
* **Reason** *(string)* –
* **RootDeviceName** *(string)* –

* **RootDeviceType** *(string)* –
* **SpotInstanceRequestId** *(string)* –
* **StateReason** *(dict)* –
  - **Code** *(string)* –
  - **Message** *(string)* –
* **SubnetId** *(string)* –
* **VpcId** *(string)* –

– **OwnerId** *(string)* –
– **RequestId** *(string)* –
– **ReservationId** *(string)* –
– **Return** *(boolean)* –

computing / Client / copy_instances

copy_instances

`computing.Client.`**`copy_instances`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.copy_instances(
    CopyCount=123,
    CopyInstance={
        'AccountingType': '1'|'2',
        'InstanceName': 'string',
        'InstanceType': 'e-mini'|'h2-mini'|'mini'|'c-small'|'e-small'|'h2-small'|
↪'small'|'c-small2'|'e-small2'|'h2-small2'|'small2'|'c-small4'|'e-small4'|'h2-
↪small4'|'small4'|'e-small8'|'h2-small8'|'small8'|'e-small16'|'h2-small16'|
↪'small16'|'c-medium'|'e-medium'|'h2-medium'|'medium'|'c-medium4'|'e-medium4'|
↪'h2-medium4'|'medium4'|'c-medium8'|'e-medium8'|'h2-medium8'|'medium8'|'e-
↪medium16'|'h2-medium16'|'medium16'|'e-medium24'|'h2-medium24'|'medium24'|'c-
↪large'|'e-large'|'h2-large'|'large'|'c-large8'|'e-large8'|'h2-large8'|'large8'|
↪'e-large16'|'h2-large16'|'large16'|'e-large24'|'h2-large24'|'large24'|'e-large32
↪'|'h2-large32'|'large32'|'e-extra-large8'|'h2-extra-large8'|'extra-large8'|'e-
↪extra-large16'|'h2-extra-large16'|'extra-large16'|'e-extra-large24'|'h2-extra-
↪large24'|'extra-large24'|'e-extra-large32'|'h2-extra-large32'|'extra-large32'|
↪'e-extra-large48'|'h2-extra-large48'|'extra-large48'|'e-double-large16'|'h2-
↪double-large16'|'double-large16'|'e-double-large24'|'h2-double-large24'|'double-
↪large24'|'e-double-large32'|'h2-double-large32'|'double-large32'|'e-double-
↪large48'|'h2-double-large48'|'double-large48'|'e-double-large64'|'h2-double-
↪large64'|'double-large64'|'e-double-large96'|'h2-double-large96'|'double-large96
↪'|'h2-triple-large32'|'triple-large32'|'h2-triple-large48'|'triple-large48'|'h2-
↪triple-large64'|'triple-large64'|'h2-triple-large96'|'triple-large96'|'h2-
↪triple-large128'|'triple-large128'|'h2-quad-large64'|'quad-large64'|'h2-quad-
↪large96'|'quad-large96'|'h2-quad-large128'|'quad-large128'|'h2-septa-large128'|
↪'septa-large128',
        'IpType': 'static'|'none',
        'ListOfRequestLoadBalancers': [
            {
                'InstancePort': 123,
```

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```
                'LoadBalancerName': 'string',
                'LoadBalancerPort': 123
            },
        ],
        'ListOfRequestSecurityGroup': [
            'string',
        ],
        'RequestPlacement': {
            'AvailabilityZone': 'string',
            'RegionName': 'string'
        }
    },
    InstanceId='string',
    NetworkInterface=[
        {
            'DeviceIndex': 123,
            'IpAddress': 'string',
            'ListOfRequestSecurityGroupId': [
                'string',
            ],
            'NetworkId': 'string',
            'NetworkName': 'string'
        },
    ]
)
```

Parameters

- **CopyCount** (*integer*) –
- **CopyInstance** (*dict*) – **[REQUIRED]**
  - **AccountingType** *(string)* –
  - **InstanceName** *(string)* – **[REQUIRED]**
  - **InstanceType** *(string)* –
  - **IpType** *(string)* –
  - **ListOfRequestLoadBalancers** *(list)* –
    - *(dict)* –
      - **InstancePort** *(integer)* –
      - **LoadBalancerName** *(string)* –
      - **LoadBalancerPort** *(integer)* –
  - **ListOfRequestSecurityGroup** *(list)* –
    - *(string)* –
  - **RequestPlacement** *(dict)* –
    - **AvailabilityZone** *(string)* –
    - **RegionName** *(string)* –
- **InstanceId** (*string*) – **[REQUIRED]**
- **NetworkInterface** (*list*) –
  - *(dict)* –
    - **DeviceIndex** *(integer)* –
    - **IpAddress** *(string)* –
    - **ListOfRequestSecurityGroupId** *(list)* –
      - *(string)* –
    - **NetworkId** *(string)* –
    - **NetworkName** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'CopyInstanceSet': [
        {
            'InstanceId': 'string',
            'InstanceState': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **CopyInstanceSet** *(list)* –
    - *(dict)* –
      - **InstanceId** *(string)* –
      - **InstanceState** *(string)* –
      - **InstanceUniqueId** *(string)* –
  - **RequestId** *(string)* –

computing / Client / create_backup_instances

create_backup_instances

`computing.Client.`**`create_backup_instances`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_backup_instances(
    InstanceBackupRuleId='string'
)
```

Parameters **`InstanceBackupRuleId`**`(string)` – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'InstanceBackupRule': {
        'AvailabilityZone': 'string',
        'BackupInstanceMaxCount': 123,
        'Description': 'string',
        'InstanceBackupRuleId': 'string',
        'InstanceBackupRuleName': 'string',
        'InstancesSet': [
            {
                'BackupInstancesSet': [
                    {
                        'BackupInstanceCreateTime': 'string',
                        'BackupInstanceUniqueId': 'string',
                        'Status': 'string'
                    },
                ],
```

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```
                'InstanceId': 'string',
                'InstanceUniqueId': 'string'
            },
        ],
        'RegionName': 'string',
        'Status': 'string',
        'TimeSlotId': 'string'
    },
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **InstanceBackupRule** *(dict)* –
    - **AvailabilityZone** *(string)* –
    - **BackupInstanceMaxCount** *(integer)* –
    - **Description** *(string)* –
    - **InstanceBackupRuleId** *(string)* –
    - **InstanceBackupRuleName** *(string)* –
    - **InstancesSet** *(list)* –
      - *(dict)* –
      - **BackupInstancesSet** *(list)* –
      - *(dict)* –
      - **BackupInstanceCreateTime** *(string)* –
      - **BackupInstanceUniqueId** *(string)* –
      - **Status** *(string)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
    - **RegionName** *(string)* –
    - **Status** *(string)* –
    - **TimeSlotId** *(string)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / create_customer_gateway

create_customer_gateway

`computing.Client.`**`create_customer_gateway`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_customer_gateway(
    BgpAsn=123,
    IpAddress='string',
    NiftyCustomerGatewayDescription='string',
    NiftyCustomerGatewayName='string',
    NiftyLanSideCidrBlock='string',
    NiftyLanSideIpAddress='string',
    Type='IPsec'|'IPsec VTI'|'L2TPv3 / IPsec'
)
```

Parameters

- **BgpAsn** (*integer*) –
- **IpAddress** (*string*) – **[REQUIRED]**
- **NiftyCustomerGatewayDescription** (*string*) –
- **NiftyCustomerGatewayName** (*string*) –
- **NiftyLanSideCidrBlock** (*string*) –
- **NiftyLanSideIpAddress** (*string*) –
- **Type** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'CustomerGateway': {
        'CreatedTime': datetime(2015, 1, 1),
        'CustomerGatewayId': 'string',
        'IpAddress': 'string',
        'NiftyCustomerGatewayDescription': 'string',
        'NiftyCustomerGatewayName': 'string',
        'NiftyLanSideCidrBlock': 'string',
        'NiftyLanSideIpAddress': 'string',
        'State': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ]
    },
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **CustomerGateway** *(dict)* –
    - **CreatedTime** *(datetime)* –
    - **CustomerGatewayId** *(string)* –
    - **IpAddress** *(string)* –
    - **NiftyCustomerGatewayDescription** *(string)* –
    - **NiftyCustomerGatewayName** *(string)* –
    - **NiftyLanSideCidrBlock** *(string)* –
    - **NiftyLanSideIpAddress** *(string)* –
    - **State** *(string)* –
    - **TagSet** *(list)* –
      - *(dict)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
  - **RequestId** *(string)* –

computing / Client / create_dhcp_options

create_dhcp_options

`computing.Client.`**`create_dhcp_options`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_dhcp_options(
    DhcpConfiguration=[
        {
            'Key': 'default-router'|'domain-name'|'domain-name-servers'|'ntp-
↪servers'|'netbios-name-servers'|'netbios-node-type'|'lease-time',
            'ListOfRequestValue': [
                'string',
            ]
        },
    ]
)
```

Parameters **DhcpConfiguration** (*list*) – **[REQUIRED]**

- *(dict)* –
  - **Key** *(string)* – **[REQUIRED]**
  - **ListOfRequestValue** *(list)* – **[REQUIRED]**
    - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'DhcpOptions': {
        'DhcpConfigurationSet': [
            {
                'Key': 'string',
                'ValueSet': [
                    {
                        'Value': 'string'
                    },
                ]
            },
        ],
        'DhcpOptionsId': 'string'
    },
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **DhcpOptions** *(dict)* –
    - **DhcpConfigurationSet** *(list)* –
      - *(dict)* –
      - **Key** *(string)* –
      - **ValueSet** *(list)* –
      - *(dict)* –
      - **Value** *(string)* –
    - **DhcpOptionsId** *(string)* –
  - **RequestId** *(string)* –

computing / Client / create_image

create_image

computing.Client.**create_image**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_image(
    Description='string',
    InstanceId='string',
    LeftInstance=True|False,
    Name='string',
    NoReboot=True|False,
    Placement={
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    }
)
```

Parameters

- **Description** (*string*) –
- **InstanceId** (*string*) – **[REQUIRED]**
- **LeftInstance** (*boolean*) –
- **Name** (*string*) – **[REQUIRED]**
- **NoReboot** (*boolean*) –
- **Placement** (*dict*) –
  - **AvailabilityZone** *(string)* –
  - **RegionName** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'ImageId': 'string',
    'ImageState': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **ImageId** *(string)* –
  - **ImageState** *(string)* –
  - **RequestId** *(string)* –

computing / Client / create_instance_backup_rule

create_instance_backup_rule

computing.Client.**create_instance_backup_rule**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_instance_backup_rule(
    BackupInstanceMaxCount=123,
    Description='string',
```

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```
    InstanceBackupRuleName='string',
    InstanceUniqueId=[
        'string',
    ],
    TimeSlotId='1'|'2'|'3'|'4'|'5'|'6'|'7'|'8'|'9'|'10'|'11'|'12'
)
```

Parameters

- **BackupInstanceMaxCount** (*integer*) – **[REQUIRED]**
- **Description** (*string*) –
- **InstanceBackupRuleName** (*string*) –
- **InstanceUniqueId** (*list*) – **[REQUIRED]**
  - *(string)* –
- **TimeSlotId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'InstanceBackupRule': {
        'AvailabilityZone': 'string',
        'BackupInstanceMaxCount': 123,
        'Description': 'string',
        'InstanceBackupRuleId': 'string',
        'InstanceBackupRuleName': 'string',
        'InstancesSet': [
            {
                'BackupInstancesSet': 'string',
                'InstanceId': 'string',
                'InstanceUniqueId': 'string'
            },
        ],
        'RegionName': 'string',
        'Status': 'string',
        'TimeSlotId': 'string'
    },
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **InstanceBackupRule** *(dict)* –
    - **AvailabilityZone** *(string)* –
    - **BackupInstanceMaxCount** *(integer)* –
    - **Description** *(string)* –
    - **InstanceBackupRuleId** *(string)* –
    - **InstanceBackupRuleName** *(string)* –
    - **InstancesSet** *(list)* –
      - *(dict)* –
      - **BackupInstancesSet** *(string)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
    - **RegionName** *(string)* –
    - **Status** *(string)* –

        * **TimeSlotId** *(string)* –
    - **RequestId** *(string)* –
    - **Return** *(boolean)* –

computing / Client / create_key_pair

create_key_pair

`computing.Client.`**`create_key_pair`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_key_pair(
    Description='string',
    KeyName='string',
    Password='string'
)
```

Parameters

- **`Description`** (*`string`*) –
- **`KeyName`** (*`string`*) – **[REQUIRED]**
- **`Password`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Description': 'string',
    'KeyFingerprint': 'string',
    'KeyMaterial': 'string',
    'KeyName': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
    - **Description** *(string)* –
    - **KeyFingerprint** *(string)* –
    - **KeyMaterial** *(string)* –
    - **KeyName** *(string)* –
    - **RequestId** *(string)* –

computing / Client / create_load_balancer

create_load_balancer

`computing.Client.`**`create_load_balancer`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_load_balancer(
    AccountingType='1'|'2',
    AvailabilityZones=[
```

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```
        'string',
    ],
    IpVersion='v4'|'v6',
    Listeners=[
        {
            'BalancingType': 123,
            'InstancePort': 123,
            'LoadBalancerPort': 123,
            'Protocol': 'HTTP'|'HTTPS'|'FTP'
        },
    ],
    LoadBalancerName='string',
    NetworkVolume=123,
    PolicyType='standard'|'ats'
)
```

Parameters

- **AccountingType** (*string*) –
- **AvailabilityZones** (*list*) –
  - *(string)* –
- **IpVersion** (*string*) –
- **Listeners** (*list*) –
  - *(dict)* –
    - **BalancingType** *(integer)* –
    - **InstancePort** *(integer)* –
    - **LoadBalancerPort** *(integer)* –
    - **Protocol** *(string)* –
- **LoadBalancerName** (*string*) – **[REQUIRED]**
- **NetworkVolume** (*integer*) –
- **PolicyType** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'CreateLoadBalancerResult': {
        'DNSName': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **CreateLoadBalancerResult** *(dict)* –
    - **DNSName** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / create_multi_ip_address_group

create_multi_ip_address_group

computing.Client.**create_multi_ip_address_group**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_multi_ip_address_group(
    Description='string',
    IpAddressCount=123,
    MultiIpAddressGroupName='string',
    Placement={
        'AvailabilityZone': 'string'
    }
)
```

Parameters

- **Description** (*string*) –
- **IpAddressCount** (*integer*) – **[REQUIRED]**
- **MultiIpAddressGroupName** (*string*) – **[REQUIRED]**
- **Placement** (*dict*) – **[REQUIRED]**
  - **AvailabilityZone** *(string)* – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'MultiIpAddressGroup': {
        'AvailabilityZone': 'string',
        'CreateTime': 'string',
        'Description': 'string',
        'InstancesSet': 'string',
        'MultiIpAddressGroupId': 'string',
        'MultiIpAddressGroupName': 'string',
        'MultiIpAddressNetwork': {
            'DefaultGateway': 'string',
            'IpAddressesSet': 'string',
            'SubnetMask': 'string'
        },
        'Status': 'string'
    },
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **MultiIpAddressGroup** *(dict)* –
    - **AvailabilityZone** *(string)* –
    - **CreateTime** *(string)* –
    - **Description** *(string)* –
    - **InstancesSet** *(string)* –
    - **MultiIpAddressGroupId** *(string)* –
    - **MultiIpAddressGroupName** *(string)* –
    - **MultiIpAddressNetwork** *(dict)* –
      - **DefaultGateway** *(string)* –

- · **IpAddressesSet** *(string)* –
- · **SubnetMask** *(string)* –
- ∗ **Status** *(string)* –
- – **RequestId** *(string)* –
- – **Return** *(boolean)* –

computing / Client / create_network_interface

create_network_interface

`computing.Client.`**`create_network_interface`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_network_interface(
    Description='string',
    IpAddress='string',
    NiftyNetworkId='string',
    Placement={
        'AvailabilityZone': 'string'
    }
)
```

Parameters

- **`Description`** (*`string`*) –
- **`IpAddress`** (*`string`*) –
- **`NiftyNetworkId`** (*`string`*) – **[REQUIRED]**
- **`Placement`** (*`dict`*) –
  - – **AvailabilityZone** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'NetworkInterface': {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': 'string',
            'DeviceIndex': 'string',
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'Description': 'string',
        'GroupSet': [
```

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```
            {
                'GroupId': 'string'
            },
        ],
        'InterfaceType': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            },
        ],
        'MacAddress': 'string',
        'NetworkInterfaceId': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': 'string',
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **NetworkInterface** *(dict)* –
    - **Association** *(dict)* –
      - **AllocationId** *(string)* –
      - **AssociationId** *(string)* –
      - **IpOwnerId** *(string)* –

        - **PublicDnsName** *(string)* –
        - **PublicIp** *(string)* –
        - **PublicIpV6** *(string)* –
    - **Attachment** *(dict)* –
        - **AttachTime** *(string)* –
        - **AttachmentId** *(string)* –
        - **DeleteOnTermination** *(string)* –
        - **DeviceIndex** *(string)* –
        - **InstanceId** *(string)* –
        - **InstanceOwnerId** *(string)* –
        - **Status** *(string)* –
    - **AvailabilityZone** *(string)* –
    - **Description** *(string)* –
    - **GroupSet** *(list)* –
        - *(dict)* –
        - **GroupId** *(string)* –
    - **InterfaceType** *(string)* –
    - **Ipv6AddressesSet** *(list)* –
        - *(dict)* –
        - **Ipv6Address** *(string)* –
    - **MacAddress** *(string)* –
    - **NetworkInterfaceId** *(string)* –
    - **NiftyNetworkId** *(string)* –
    - **NiftyNetworkName** *(string)* –
    - **OwnerId** *(string)* –
    - **PrivateDnsName** *(string)* –
    - **PrivateIpAddress** *(string)* –
    - **PrivateIpAddressV6** *(string)* –
    - **PrivateIpAddressesSet** *(list)* –
        - *(dict)* –
        - **Association** *(dict)* –
        - **AllocationId** *(string)* –
        - **AssociationId** *(string)* –
        - **IpOwnerId** *(string)* –
        - **PublicDnsName** *(string)* –
        - **PublicIp** *(string)* –
        - **PublicIpV6** *(string)* –
        - **Primary** *(string)* –
        - **PrivateDnsName** *(string)* –
        - **PrivateIpAddress** *(string)* –
    - **RequesterId** *(string)* –
    - **RequesterManaged** *(string)* –
    - **SourceDestCheck** *(string)* –
    - **Status** *(string)* –
    - **SubnetId** *(string)* –
    - **TagSet** *(list)* –
        - *(dict)* –
        - **Key** *(string)* –
        - **Value** *(string)* –
    - **VpcId** *(string)* –
- **RequestId** *(string)* –
- **Return** *(boolean)* –

computing / Client / create_remote_access_vpn_gateway

create_remote_access_vpn_gateway

computing.Client.**create_remote_access_vpn_gateway**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_remote_access_vpn_gateway(
    AccountingType=123,
    CACertificateId='string',
    CipherSuite=[
        'string',
    ],
    Description='string',
    NetworkInterface=[
        {
            'IpAddress': 'string',
            'NetworkId': 'string'
        },
    ],
    Placement={
        'AvailabilityZone': 'string'
    },
    PoolNetworkCidr='string',
    RemoteAccessVpnGatewayName='string',
    RemoteAccessVpnGatewayType='small'|'medium'|'large',
    SSLCertificateId='string'
)
```

Parameters

- **AccountingType** (*integer*) –
- **CACertificateId** (*string*) –
- **CipherSuite** (*list*) – **[REQUIRED]**
  - *(string)* –
- **Description** (*string*) –
- **NetworkInterface** (*list*) – **[REQUIRED]**
  - *(dict)* –
    - **IpAddress** *(string)* – **[REQUIRED]**
    - **NetworkId** *(string)* – **[REQUIRED]**
- **Placement** (*dict*) –
  - **AvailabilityZone** *(string)* –
- **PoolNetworkCidr** (*string*) – **[REQUIRED]**
- **RemoteAccessVpnGatewayName** (*string*) –
- **RemoteAccessVpnGatewayType** (*string*) –
- **SSLCertificateId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RemoteAccessVpnGateway': {
        'AccountingType': 'string',
        'AuthTypeSet': [
            {
                'AuthType': 'string'
            },
```

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```
        ],
        'AvailabilityZone': 'string',
        'CaCertificateId': 'string',
        'CipherSuiteSet': [
            {
                'CipherSuite': 'string'
            },
        ],
        'ClientDownloadEndpoint': 'string',
        'ClientTunnelMode': 'string',
        'CreatedTime': 'string',
        'Description': 'string',
        'GroupSet': 'string',
        'IsConfiguredNat': 'string',
        'NetworkInterfaceSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Attachment': {
                    'AttachTime': 'string',
                    'AttachmentId': 'string',
                    'DeleteOnTermination': 'string',
                    'DeviceIndex': 'string',
                    'InstanceId': 'string',
                    'InstanceOwnerId': 'string',
                    'Status': 'string'
                },
                'AvailabilityZone': 'string',
                'Description': 'string',
                'GroupSet': 'string',
                'InterfaceType': 'string',
                'Ipv6AddressesSet': 'string',
                'MacAddress': 'string',
                'NetworkInterfaceId': 'string',
                'NiftyNetworkId': 'string',
                'NiftyNetworkName': 'string',
                'OwnerId': 'string',
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string',
                'PrivateIpAddressV6': 'string',
                'PrivateIpAddressesSet': 'string',
                'RequesterId': 'string',
                'RequesterManaged': 'string',
                'SourceDestCheck': 'string',
                'Status': 'string',
                'SubnetId': 'string',
                'TagSet': 'string',
                'VpcId': 'string'
            },
        ],
        'NextMonthAccountingType': 'string',
```

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```
        'PoolNetworkCidr': 'string',
        'PoolNetworkGatewayIpAddress': 'string',
        'RemoteAccessVpnGatewayId': 'string',
        'RemoteAccessVpnGatewayName': 'string',
        'RemoteAccessVpnGatewayType': 'string',
        'RemoteUserSet': 'string',
        'RouteTableAssociationId': 'string',
        'RouteTableId': 'string',
        'SslCertificateId': 'string',
        'Status': 'string',
        'VersionInformation': {
            'IsLatest': 'string',
            'Version': 'string'
        }
    },
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RemoteAccessVpnGateway** *(dict)* –
    - **AccountingType** *(string)* –
    - **AuthTypeSet** *(list)* –
      - *(dict)* –
      - **AuthType** *(string)* –
    - **AvailabilityZone** *(string)* –
    - **CaCertificateId** *(string)* –
    - **CipherSuiteSet** *(list)* –
      - *(dict)* –
      - **CipherSuite** *(string)* –
    - **ClientDownloadEndpoint** *(string)* –
    - **ClientTunnelMode** *(string)* –
    - **CreatedTime** *(string)* –
    - **Description** *(string)* –
    - **GroupSet** *(string)* –
    - **IsConfiguredNat** *(string)* –
    - **NetworkInterfaceSet** *(list)* –
      - *(dict)* –
      - **Association** *(dict)* –
      - **AllocationId** *(string)* –
      - **AssociationId** *(string)* –
      - **IpOwnerId** *(string)* –
      - **PublicDnsName** *(string)* –
      - **PublicIp** *(string)* –
      - **PublicIpV6** *(string)* –
      - **Attachment** *(dict)* –
      - **AttachTime** *(string)* –
      - **AttachmentId** *(string)* –
      - **DeleteOnTermination** *(string)* –
      - **DeviceIndex** *(string)* –
      - **InstanceId** *(string)* –
      - **InstanceOwnerId** *(string)* –
      - **Status** *(string)* –

- **AvailabilityZone** *(string)* –
- **Description** *(string)* –
- **GroupSet** *(string)* –
- **InterfaceType** *(string)* –
- **Ipv6AddressesSet** *(string)* –
- **MacAddress** *(string)* –
- **NetworkInterfaceId** *(string)* –
- **NiftyNetworkId** *(string)* –
- **NiftyNetworkName** *(string)* –
- **OwnerId** *(string)* –
- **PrivateDnsName** *(string)* –
- **PrivateIpAddress** *(string)* –
- **PrivateIpAddressV6** *(string)* –
- **PrivateIpAddressesSet** *(string)* –
- **RequesterId** *(string)* –
- **RequesterManaged** *(string)* –
- **SourceDestCheck** *(string)* –
- **Status** *(string)* –
- **SubnetId** *(string)* –
- **TagSet** *(string)* –
- **VpcId** *(string)* –

* **NextMonthAccountingType** *(string)* –
* **PoolNetworkCidr** *(string)* –
* **PoolNetworkGatewayIpAddress** *(string)* –
* **RemoteAccessVpnGatewayId** *(string)* –
* **RemoteAccessVpnGatewayName** *(string)* –
* **RemoteAccessVpnGatewayType** *(string)* –
* **RemoteUserSet** *(string)* –
* **RouteTableAssociationId** *(string)* –
* **RouteTableId** *(string)* –
* **SslCertificateId** *(string)* –
* **Status** *(string)* –
* **VersionInformation** *(dict)* –
  - **IsLatest** *(string)* –
  - **Version** *(string)* –

– **RequestId** *(string)* –
– **Return** *(boolean)* –

computing / Client / create_remote_access_vpn_gateway_users

create_remote_access_vpn_gateway_users

`computing.Client.`**`create_remote_access_vpn_gateway_users`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_remote_access_vpn_gateway_users(
    RemoteAccessVpnGatewayId='string',
    RemoteUser=[
        {
            'Description': 'string',
            'Password': 'string',
            'UserName': 'string'
```

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```
        },
    ]
)
```

Parameters

- **RemoteAccessVpnGatewayId** (*string*) – **[REQUIRED]**
- **RemoteUser** (*list*) – **[REQUIRED]**
  - *(dict)* –
    - **Description** *(string)* –
    - **Password** *(string)* – **[REQUIRED]**
    - **UserName** *(string)* – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RemoteAccessVpnGatewayId': 'string',
    'RemoteAccessVpnGatewayName': 'string',
    'RemoteUserSet': [
        {
            'Description': 'string',
            'UserName': 'string'
        },
    ],
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RemoteAccessVpnGatewayId** *(string)* –
  - **RemoteAccessVpnGatewayName** *(string)* –
  - **RemoteUserSet** *(list)* –
    - *(dict)* –
      - **Description** *(string)* –
      - **UserName** *(string)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / create_route

create_route

computing.Client.**create_route**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_route(
    DestinationCidrBlock='string',
    GatewayId='string',
    InstanceId='string',
    IpAddress='string',
    NetworkId='string',
```

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```
    NetworkInterfaceId='string',
    NetworkName='string',
    RouteTableId='string',
    VpcPeeringConnectionId='string'
)
```

Parameters

- **DestinationCidrBlock** (*string*) – **[REQUIRED]**
- **GatewayId** (*string*) –
- **InstanceId** (*string*) –
- **IpAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **RouteTableId** (*string*) – **[REQUIRED]**
- **VpcPeeringConnectionId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / create_route_table

create_route_table

computing.Client.**create_route_table**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_route_table(
    VpcId='string'
)
```

Parameters **VpcId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'RouteTable': {
        'AssociationSet': 'string',
        'ElasticLoadBalancerAssociationSet': 'string',
```

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```
        'RouteTableId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **RouteTable** *(dict)* –
    - **AssociationSet** *(string)* –
    - **ElasticLoadBalancerAssociationSet** *(string)* –
    - **RouteTableId** *(string)* –
    - **TagSet** *(list)* –
      - *(dict)* –
      - **Key** *(string)* –
      - **Value** *(string)* –

computing / Client / create_security_group

create_security_group

`computing.Client.`**`create_security_group`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_security_group(
    GroupDescription='string',
    GroupName='string',
    Placement={
        'AvailabilityZone': 'string'
    }
)
```

Parameters

- **GroupDescription** (*string*) –
- **GroupName** (*string*) – **[REQUIRED]**
- **Placement** (*dict*) –
  - **AvailabilityZone** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –

- **RequestId** *(string)* –
- **Return** *(boolean)* –

computing / Client / create_ssl_certificate

create_ssl_certificate

`computing.Client.`**`create_ssl_certificate`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_ssl_certificate(
    ApproverEmailAddress='string',
    CertAuthority=123,
    CertInfo={
        'CountryName': 'string',
        'EmailAddress': 'string',
        'LocationName': 'string',
        'OrganizationName': 'string',
        'OrganizationUnitName': 'string',
        'StateName': 'string'
    },
    Count=123,
    Fqdn='string',
    FqdnId='string',
    KeyLength=123,
    ValidityTerm=123
)
```

Parameters

- **ApproverEmailAddress** (*string*) –
- **CertAuthority** (*integer*) –
- **CertInfo** (*dict*) –
  - **CountryName** *(string)* –
  - **EmailAddress** *(string)* –
  - **LocationName** *(string)* –
  - **OrganizationName** *(string)* –
  - **OrganizationUnitName** *(string)* –
  - **StateName** *(string)* –
- **Count** (*integer*) –
- **Fqdn** (*string*) –
- **FqdnId** (*string*) –
- **KeyLength** (*integer*) –
- **ValidityTerm** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'ApproverEmailAddress': 'string',
    'CertAuthority': 'string',
    'CertState': 'string',
    'Fqdn': 'string',
    'FqdnId': 'string',
```

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```
    'RequestId': 'string',
    'ValidityTerm': 123
}
```

Response Structure

- *(dict)* –
  - **ApproverEmailAddress** *(string)* –
  - **CertAuthority** *(string)* –
  - **CertState** *(string)* –
  - **Fqdn** *(string)* –
  - **FqdnId** *(string)* –
  - **RequestId** *(string)* –
  - **ValidityTerm** *(integer)* –

computing / Client / create_volume

create_volume

`computing.Client.`**`create_volume`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_volume(
    AccountingType='1'|'2',
    Description='string',
    DiskType='2'|'3'|'4'|'5'|'6'|'7'|'8'|'9',
    InstanceId='string',
    InstanceUniqueId='string',
    Size=123,
    VolumeId='string'
)
```

Parameters

- **AccountingType** *(string)* –
- **Description** *(string)* –
- **DiskType** *(string)* –
- **InstanceId** *(string)* –
- **InstanceUniqueId** *(string)* –
- **Size** *(integer)* – **[REQUIRED]**
- **VolumeId** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'AccountingType': 'string',
    'AvailabilityZone': 'string',
    'CreateTime': datetime(2015, 1, 1),
    'Description': 'string',
    'DiskType': 'string',
    'RequestId': 'string',
    'Size': 123,
    'SnapshotId': 'string',
```

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```
    'Status': 'string',
    'VolumeId': 'string',
    'VolumeUniqueId': 'string'
}
```

Response Structure

- *(dict)* –
  - **AccountingType** *(string)* –
  - **AvailabilityZone** *(string)* –
  - **CreateTime** *(datetime)* –
  - **Description** *(string)* –
  - **DiskType** *(string)* –
  - **RequestId** *(string)* –
  - **Size** *(integer)* –
  - **SnapshotId** *(string)* –
  - **Status** *(string)* –
  - **VolumeId** *(string)* –
  - **VolumeUniqueId** *(string)* –

computing / Client / create_vpn_connection

create_vpn_connection

`computing.Client.`**`create_vpn_connection`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_vpn_connection(
    Agreement=True|False,
    CustomerGatewayId='string',
    NiftyCustomerGatewayName='string',
    NiftyIpsecConfiguration={
        'DiffieHellmanGroup': 123,
        'EncapsulatingSecurityPayloadLifetime': 123,
        'EncryptionAlgorithm': 'AES128'|'AES256'|'3DES',
        'HashAlgorithm': 'SHA1'|'MD5'|'SHA256'|'SHA384'|'SHA512',
        'InternetKeyExchange': 'IKEv1'|'IKEv2',
        'InternetKeyExchangeLifetime': 123,
        'PreSharedKey': 'string'
    },
    NiftyTunnel={
        'DestinationPort': 'string',
        'Encapsulation': 'IP'|'UDP',
        'Mode': 'Unmanaged'|'Managed',
        'PeerSessionId': 'string',
        'PeerTunnelId': 'string',
        'SessionId': 'string',
        'SourcePort': 'string',
        'TunnelId': 'string',
        'Type': 'L2TPv3'
    },
    NiftyVpnConnectionDescription='string',
    NiftyVpnConnectionMtu='string',
    NiftyVpnGatewayName='string',
```

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```
    Type='IPsec'|'L2TPv3 / IPsec'|'IPsec VTI',
    VpnGatewayId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **CustomerGatewayId** (*string*) –
- **NiftyCustomerGatewayName** (*string*) –
- **NiftyIpsecConfiguration** (*dict*) –
  - **DiffieHellmanGroup** *(integer)* –
  - **EncapsulatingSecurityPayloadLifetime** *(integer)* –
  - **EncryptionAlgorithm** *(string)* –
  - **HashAlgorithm** *(string)* –
  - **InternetKeyExchange** *(string)* –
  - **InternetKeyExchangeLifetime** *(integer)* –
  - **PreSharedKey** *(string)* –
- **NiftyTunnel** (*dict*) –
  - **DestinationPort** *(string)* –
  - **Encapsulation** *(string)* –
  - **Mode** *(string)* –
  - **PeerSessionId** *(string)* –
  - **PeerTunnelId** *(string)* –
  - **SessionId** *(string)* –
  - **SourcePort** *(string)* –
  - **TunnelId** *(string)* –
  - **Type** *(string)* –
- **NiftyVpnConnectionDescription** (*string*) –
- **NiftyVpnConnectionMtu** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **Type** (*string*) – **[REQUIRED]**
- **VpnGatewayId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'VpnConnection': {
        'CreatedTime': datetime(2015, 1, 1),
        'CustomerGatewayId': 'string',
        'NiftyCustomerGatewayName': 'string',
        'NiftyIpsecConfiguration': {
            'DiffieHellmanGroup': 123,
            'EncapsulatingSecurityPayloadLifetime': 123,
            'EncryptionAlgorithm': 'string',
            'HashingAlgorithm': 'string',
            'InternetKeyExchange': 'string',
            'InternetKeyExchangeLifetime': 123,
            'Mtu': 'string',
            'PreSharedKey': 'string'
        },
        'NiftyTunnel': {
            'DestinationPort': 'string',
```

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```
            'Encapsulation': 'string',
            'Mode': 'string',
            'PeerSessionId': 'string',
            'PeerTunnelId': 'string',
            'SessionId': 'string',
            'SourcePort': 'string',
            'TunnelId': 'string',
            'Type': 'string'
        },
        'NiftyVpnConnectionDescription': 'string',
        'NiftyVpnGatewayName': 'string',
        'State': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Type': 'string',
        'VgwTelemetry': [
            {
                'AcceptedRouteCount': 123,
                'LastStatusChange': datetime(2015, 1, 1),
                'OutsideIpAddress': 'string',
                'Status': 'string',
                'StatusMessage': 'string'
            },
        ],
        'VpnConnectionId': 'string',
        'VpnGatewayId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **VpnConnection** *(dict)* –
    - **CreatedTime** *(datetime)* –
    - **CustomerGatewayId** *(string)* –
    - **NiftyCustomerGatewayName** *(string)* –
    - **NiftyIpsecConfiguration** *(dict)* –
      - **DiffieHellmanGroup** *(integer)* –
      - **EncapsulatingSecurityPayloadLifetime** *(integer)* –
      - **EncryptionAlgorithm** *(string)* –
      - **HashingAlgorithm** *(string)* –
      - **InternetKeyExchange** *(string)* –
      - **InternetKeyExchangeLifetime** *(integer)* –
      - **Mtu** *(string)* –
      - **PreSharedKey** *(string)* –
    - **NiftyTunnel** *(dict)* –
      - **DestinationPort** *(string)* –
      - **Encapsulation** *(string)* –
      - **Mode** *(string)* –
      - **PeerSessionId** *(string)* –
      - **PeerTunnelId** *(string)* –

- **SessionId** *(string)* –
- **SourcePort** *(string)* –
- **TunnelId** *(string)* –
- **Type** *(string)* –

* **NiftyVpnConnectionDescription** *(string)* –
* **NiftyVpnGatewayName** *(string)* –
* **State** *(string)* –
* **TagSet** *(list)* –
  - *(dict)* –
  - **Key** *(string)* –
  - **Value** *(string)* –
* **Type** *(string)* –
* **VgwTelemetry** *(list)* –
  - *(dict)* –
  - **AcceptedRouteCount** *(integer)* –
  - **LastStatusChange** *(datetime)* –
  - **OutsideIpAddress** *(string)* –
  - **Status** *(string)* –
  - **StatusMessage** *(string)* –
* **VpnConnectionId** *(string)* –
* **VpnGatewayId** *(string)* –

computing / Client / create_vpn_gateway

create_vpn_gateway

`computing.Client.`**`create_vpn_gateway`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_vpn_gateway(
    AccountingType='1'|'2',
    NiftyNetwork={
        'IpAddress': 'string',
        'NetworkId': 'string',
        'NetworkName': 'string'
    },
    NiftyRedundancy=True|False,
    NiftyVpnGatewayDescription='string',
    NiftyVpnGatewayName='string',
    NiftyVpnGatewayType='small'|'medium'|'large',
    Placement={
        'AvailabilityZone': 'string'
    },
    SecurityGroup=[
        'string',
    ],
    Type='string'
)
```

Parameters

- **AccountingType** *(string)* –
- **NiftyNetwork** *(dict)* –
  - **IpAddress** *(string)* –
  - **NetworkId** *(string)* –

- **NetworkName** *(string)* –
- **NiftyRedundancy** (*boolean*) –
- **NiftyVpnGatewayDescription** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **NiftyVpnGatewayType** (*string*) –
- **Placement** (*dict*) –
  - **AvailabilityZone** *(string)* –
- **SecurityGroup** (*list*) –
  - *(string)* –
- **Type** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'VpnGateway': {
        'AccountingType': 'string',
        'AvailabilityZone': 'string',
        'BackupInformation': {
            'IsBackup': True|False
        },
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'NetworkInterfaceSet': [
            {
                'IpAddress': 'string',
                'NetworkId': 'string',
                'NetworkName': 'string'
            },
        ],
        'NextMonthAccountingType': 'string',
        'NiftyRedundancy': True|False,
        'NiftyVpnGatewayDescription': 'string',
        'NiftyVpnGatewayName': 'string',
        'NiftyVpnGatewayType': 'string',
        'State': 'string',
        'VersionInformation': {
            'IsLatest': True|False,
            'Version': 'string'
        },
        'VpnGatewayId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **VpnGateway** *(dict)* –
    - **AccountingType** *(string)* –
    - **AvailabilityZone** *(string)* –
    - **BackupInformation** *(dict)* –
      - **IsBackup** *(boolean)* –

- **GroupSet** *(list)* –
  - *(dict)* –
  - **GroupId** *(string)* –
- **NetworkInterfaceSet** *(list)* –
  - *(dict)* –
  - **IpAddress** *(string)* –
  - **NetworkId** *(string)* –
  - **NetworkName** *(string)* –
- **NextMonthAccountingType** *(string)* –
- **NiftyRedundancy** *(boolean)* –
- **NiftyVpnGatewayDescription** *(string)* –
- **NiftyVpnGatewayName** *(string)* –
- **NiftyVpnGatewayType** *(string)* –
- **State** *(string)* –
- **VersionInformation** *(dict)* –
  - **IsLatest** *(boolean)* –
  - **Version** *(string)* –
- **VpnGatewayId** *(string)* –

computing / Client / delete_customer_gateway

delete_customer_gateway

`computing.Client.`**`delete_customer_gateway`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_customer_gateway(
    CustomerGatewayId='string',
    NiftyCustomerGatewayName='string'
)
```

Parameters

- **CustomerGatewayId** *(string)* –
- **NiftyCustomerGatewayName** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / delete_dhcp_options

delete_dhcp_options

computing.Client.**delete_dhcp_options**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_dhcp_options(
    DhcpOptionsId='string'
)
```

Parameters **DhcpOptionsId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / delete_image

delete_image

computing.Client.**delete_image**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_image(
    ImageId='string'
)
```

Parameters **ImageId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –

computing / Client / delete_instance_backup_rule

delete_instance_backup_rule

`computing.Client.delete_instance_backup_rule(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_instance_backup_rule(
    InstanceBackupRuleId='string'
)
```

Parameters **InstanceBackupRuleId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / delete_iso_image

delete_iso_image

`computing.Client.delete_iso_image(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_iso_image(
    IsoImageId='string'
)
```

Parameters **IsoImageId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / delete_key_pair

delete_key_pair

computing.Client.**delete_key_pair**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_key_pair(
    KeyName='string'
)
```

Parameters **KeyName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / delete_load_balancer

delete_load_balancer

computing.Client.**delete_load_balancer**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_load_balancer(
    InstancePort=123,
    LoadBalancerName='string',
    LoadBalancerPort=123
)
```

Parameters

- **InstancePort** (*integer*) – **[REQUIRED]**
- **LoadBalancerName** (*string*) – **[REQUIRED]**
- **LoadBalancerPort** (*integer*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'DeleteLoadBalancerResult': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DeleteLoadBalancerResult** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / delete_multi_ip_address_group

delete_multi_ip_address_group

`computing.Client.`**`delete_multi_ip_address_group`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_multi_ip_address_group(
    MultiIpAddressGroupId='string'
)
```

Parameters **`MultiIpAddressGroupId`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / delete_network_interface

delete_network_interface

`computing.Client.`**`delete_network_interface`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_network_interface(
    NetworkInterfaceId='string'
)
```

Parameters **`NetworkInterfaceId`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
```

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```
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / delete_remote_access_vpn_gateway

delete_remote_access_vpn_gateway

`computing.Client.`**`delete_remote_access_vpn_gateway`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_remote_access_vpn_gateway(
    RemoteAccessVpnGatewayId='string'
)
```

Parameters **`RemoteAccessVpnGatewayId`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / delete_remote_access_vpn_gateway_connections

delete_remote_access_vpn_gateway_connections

`computing.Client.`**`delete_remote_access_vpn_gateway_connections`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_remote_access_vpn_gateway_connections(
    Connection=[
        {
            'ConnectionId': 'string'
        },
    ],
    RemoteAccessVpnGatewayId='string'
)
```

Parameters

- **Connection** (*list*) – **[REQUIRED]**
  - *(dict)* –
    - **ConnectionId** *(string)* – **[REQUIRED]**
- **RemoteAccessVpnGatewayId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / delete_remote_access_vpn_gateway_users

delete_remote_access_vpn_gateway_users

`computing.Client.`**`delete_remote_access_vpn_gateway_users`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_remote_access_vpn_gateway_users(
    RemoteAccessVpnGatewayId='string',
    RemoteUser=[
        {
            'UserName': 'string'
        },
    ]
)
```

Parameters

- **RemoteAccessVpnGatewayId** (*string*) – **[REQUIRED]**
- **RemoteUser** (*list*) – **[REQUIRED]**
  - *(dict)* –
    - **UserName** *(string)* – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / delete_route

delete_route

`computing.Client.delete_route(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_route(
    DestinationCidrBlock='string',
    RouteTableId='string'
)
```

Parameters

- **DestinationCidrBlock** (*string*) – **[REQUIRED]**
- **RouteTableId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / delete_route_table

delete_route_table

`computing.Client.delete_route_table(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_route_table(
    RouteTableId='string'
)
```

Parameters **RouteTableId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / delete_security_group

delete_security_group

computing.Client.**delete_security_group**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_security_group(
    GroupName='string'
)
```

Parameters **GroupName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / delete_ssl_certificate

delete_ssl_certificate

computing.Client.**delete_ssl_certificate**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_ssl_certificate(
    FqdnId='string'
)
```

Parameters **FqdnId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / delete_volume

delete_volume

computing.Client.**delete_volume**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_volume(
    VolumeId='string'
)
```

Parameters **VolumeId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / delete_vpn_connection

delete_vpn_connection

computing.Client.**delete_vpn_connection**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_vpn_connection(
    Agreement=True|False,
    VpnConnectionId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **VpnConnectionId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / delete_vpn_gateway

delete_vpn_gateway

`computing.Client.`**`delete_vpn_gateway`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_vpn_gateway(
    NiftyVpnGatewayName='string',
    VpnGatewayId='string'
)
```

Parameters

- **NiftyVpnGatewayName** *(string)* –
- **VpnGatewayId** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / deregister_instances_from_load_balancer

deregister_instances_from_load_balancer

`computing.Client.`**`deregister_instances_from_load_balancer`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.deregister_instances_from_load_balancer(
    InstancePort=123,
    Instances=[
        {
            'InstanceId': 'string'
        },
    ],
    LoadBalancerName='string',
    LoadBalancerPort=123
)
```

Parameters

- **InstancePort** (*integer*) – **[REQUIRED]**
- **Instances** (*list*) – **[REQUIRED]**
  - *(dict)* –
    - **InstanceId** *(string)* – **[REQUIRED]**
- **LoadBalancerName** (*string*) – **[REQUIRED]**
- **LoadBalancerPort** (*integer*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'DeregisterInstancesFromLoadBalancerResult': {
        'Instances': [
            {
                'InstanceId': 'string',
                'InstanceUniqueId': 'string'
            },
        ]
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DeregisterInstancesFromLoadBalancerResult** *(dict)* –
    - **Instances** *(list)* –
      - *(dict)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / deregister_instances_from_security_group

deregister_instances_from_security_group

`computing.Client.`**`deregister_instances_from_security_group`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.deregister_instances_from_security_group(
    GroupName='string',
    InstanceId=[
        'string',
    ]
)
```

Parameters

- **GroupName** (*string*) – **[REQUIRED]**
- **InstanceId** (*list*) – **[REQUIRED]**
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'InstancesSet': [
        {
            'InstanceId': 'string'
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **InstancesSet** *(list)* –
    - *(dict)* –
      - **InstanceId** *(string)* –
  - **RequestId** *(string)* –

computing / Client / describe_addresses

describe_addresses

`computing.Client.`**`describe_addresses`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_addresses(
    AllocationId=[
        'string',
    ],
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'string'
        },
    ],
    PrivateIpAddress=[
        'string',
    ],
    PublicIp=[
        'string',
    ]
)
```

Parameters

- **`AllocationId`** *(list)* –
  - *(string)* –
- **`Filter`** *(list)* –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –

- **PrivateIpAddress** (*list*) –
  - *(string)* –
- **PublicIp** (*list*) –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'AddressesSet': [
        {
            'AvailabilityZone': 'string',
            'Description': 'string',
            'InstanceId': 'string',
            'InstanceUniqueId': 'string',
            'PrivateIpAddress': 'string',
            'PublicIp': 'string'
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **AddressesSet** *(list)* –
    - *(dict)* –
      - **AvailabilityZone** *(string)* –
      - **Description** *(string)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
      - **PrivateIpAddress** *(string)* –
      - **PublicIp** *(string)* –
  - **RequestId** *(string)* –

computing / Client / describe_associated_users

describe_associated_users

computing.Client.**describe_associated_users**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_associated_users(
    FunctionName='LB'
)
```

Parameters **FunctionName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'DescribeAssociatedUsersResult': {
        'Users': [
```

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```
            {
                'UserId': 'string'
            },
        ]
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DescribeAssociatedUsersResult** *(dict)* –
    - **Users** *(list)* –
      - *(dict)* –
      - **UserId** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / describe_availability_zones

describe_availability_zones

`computing.Client.`**`describe_availability_zones`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_availability_zones(
    ZoneName=[
        'string',
    ]
)
```

Parameters **`ZoneName`** *(list)* –

- *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'AvailabilityZoneInfo': [
        {
            'IsDefault': True|False,
            'MessageSet': 'string',
            'RegionName': 'string',
            'SecurityGroupSupported': True|False,
            'ZoneName': 'string',
            'ZoneState': 'string'
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **AvailabilityZoneInfo** *(list)* –
    - *(dict)* –
      - **IsDefault** *(boolean)* –
      - **MessageSet** *(string)* –
      - **RegionName** *(string)* –
      - **SecurityGroupSupported** *(boolean)* –
      - **ZoneName** *(string)* –
      - **ZoneState** *(string)* –
  - **RequestId** *(string)* –

computing / Client / describe_customer_gateways

describe_customer_gateways

`computing.Client.`**`describe_customer_gateways`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_customer_gateways(
    CustomerGatewayId=[
        'string',
    ],
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'customer-gateway-id'|'nifty-customer-gateway-name'|'ip-
↪address'|'state'|'nifty-customer-gateway-description'
        },
    ],
    NiftyCustomerGatewayName=[
        'string',
    ]
)
```

Parameters

- **`CustomerGatewayId`** *(`list`)* –
  - *(string)* –
- **`Filter`** *(`list`)* –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **`NiftyCustomerGatewayName`** *(`list`)* –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'CustomerGatewaySet': [
        {
```

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```
            'CreatedTime': datetime(2015, 1, 1),
            'CustomerGatewayId': 'string',
            'IpAddress': 'string',
            'NiftyCustomerGatewayDescription': 'string',
            'NiftyCustomerGatewayName': 'string',
            'NiftyLanSideCidrBlock': 'string',
            'NiftyLanSideIpAddress': 'string',
            'State': 'string',
            'TagSet': [
                {
                    'Key': 'string',
                    'Value': 'string'
                },
            ]
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **CustomerGatewaySet** *(list)* –
    - *(dict)* –
      - **CreatedTime** *(datetime)* –
      - **CustomerGatewayId** *(string)* –
      - **IpAddress** *(string)* –
      - **NiftyCustomerGatewayDescription** *(string)* –
      - **NiftyCustomerGatewayName** *(string)* –
      - **NiftyLanSideCidrBlock** *(string)* –
      - **NiftyLanSideIpAddress** *(string)* –
      - **State** *(string)* –
      - **TagSet** *(list)* –
      - *(dict)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
  - **RequestId** *(string)* –

computing / Client / describe_dhcp_options

describe_dhcp_options

`computing.Client.`**`describe_dhcp_options`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_dhcp_options(
    DhcpOptionsId=[
        'string',
    ],
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
```

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```
            'Name': 'dhcp-options-id'|'key'|'value'
        },
    ]
)
```

Parameters

- **DhcpOptionsId** (*list*) –
  - *(string)* –
- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'DhcpOptionsSet': [
        {
            'DhcpConfigurationSet': [
                {
                    'Key': 'string',
                    'ValueSet': [
                        {
                            'Value': 'string'
                        },
                    ]
                },
            ],
            'DhcpOptionsId': 'string'
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **DhcpOptionsSet** *(list)* –
    - *(dict)* –
      - **DhcpConfigurationSet** *(list)* –
      - *(dict)* –
      - **Key** *(string)* –
      - **ValueSet** *(list)* –
      - *(dict)* –
      - **Value** *(string)* –
      - **DhcpOptionsId** *(string)* –
  - **RequestId** *(string)* –

computing / Client / describe_images

describe_images

computing.Client.**describe_images**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_images(
    ExecutableBy=[
        'string',
    ],
    ImageId=[
        'string',
    ],
    ImageName=[
        'string',
    ],
    Owner=[
        'string',
    ]
)
```

Parameters

- **ExecutableBy** (*list*) –
  - *(string)* –
- **ImageId** (*list*) –
  - *(string)* –
- **ImageName** (*list*) –
  - *(string)* –
- **Owner** (*list*) –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'ImagesSet': [
        {
            'Architecture': 'string',
            'BlockDeviceMapping': [
                {
                    'DeviceName': 'string',
                    'Ebs': {
                        'DeleteOnTermination': 'string',
                        'DiskType': 'string',
                        'SnapshotId': 'string',
                        'VolumeSize': 123
                    }
                },
            ],
            'Description': 'string',
            'DetailDescription': 'string',
            'ImageId': 'string',
            'ImageLocation': 'string',
            'ImageOwnerAlias': 'string',
            'ImageOwnerId': 'string',
```

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```
            'ImageState': 'string',
            'ImageType': 'string',
            'IsPublic': True|False,
            'KernelId': 'string',
            'LaunchTime': datetime(2015, 1, 1),
            'Name': 'string',
            'NiftyContactUrl': 'string',
            'NiftyDistributionIds': [
                {
                    'DistributionId': 'string'
                },
            ],
            'NiftyImageSize': 'string',
            'NiftyIsAllowedDistribution': True|False,
            'Placement': {
                'AvailabilityZone': 'string',
                'RegionName': 'string'
            },
            'Platform': 'string',
            'ProductCodes': [
                {
                    'ProductCode': 'string'
                },
            ],
            'RamdiskId': 'string',
            'Redistributable': True|False,
            'RootDeviceName': 'string',
            'RootDeviceType': 'string',
            'StateReason': {
                'Code': 'string',
                'Message': 'string'
            }
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **ImagesSet** *(list)* –
    - *(dict)* –
      - **Architecture** *(string)* –
      - **BlockDeviceMapping** *(list)* –
      - *(dict)* –
      - **DeviceName** *(string)* –
      - **Ebs** *(dict)* –
      - **DeleteOnTermination** *(string)* –
      - **DiskType** *(string)* –
      - **SnapshotId** *(string)* –
      - **VolumeSize** *(integer)* –
      - **Description** *(string)* –
      - **DetailDescription** *(string)* –
      - **ImageId** *(string)* –
      - **ImageLocation** *(string)* –
      - **ImageOwnerAlias** *(string)* –
      - **ImageOwnerId** *(string)* –

- **ImageState** *(string)* –
- **ImageType** *(string)* –
- **IsPublic** *(boolean)* –
- **KernelId** *(string)* –
- **LaunchTime** *(datetime)* –
- **Name** *(string)* –
- **NiftyContactUrl** *(string)* –
- **NiftyDistributionIds** *(list)* –
- *(dict)* –
- **DistributionId** *(string)* –
- **NiftyImageSize** *(string)* –
- **NiftyIsAllowedDistribution** *(boolean)* –
- **Placement** *(dict)* –
- **AvailabilityZone** *(string)* –
- **RegionName** *(string)* –
- **Platform** *(string)* –
- **ProductCodes** *(list)* –
- *(dict)* –
- **ProductCode** *(string)* –
- **RamdiskId** *(string)* –
- **Redistributable** *(boolean)* –
- **RootDeviceName** *(string)* –
- **RootDeviceType** *(string)* –
- **StateReason** *(dict)* –
- **Code** *(string)* –
- **Message** *(string)* –

– **RequestId** *(string)* –

computing / Client / describe_instance_attribute

describe_instance_attribute

`computing.Client.`**`describe_instance_attribute`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_instance_attribute(
    Attribute='instanceType'|'disableApiTermination'|'blockDeviceMapping'|
↪'accountingType'|'nextMonthAccountingType'|'loadbalancing'|'copyInfo'|
↪'autoscaling'|'ipType'|'niftyPrivateIpType'|'groupId'|'description'|
↪'networkInterfaceSet'|'elasticloadbalancing',
    InstanceId='string'
)
```

Parameters

- **`Attribute`** *(`string`)* –
- **`InstanceId`** *(`string`)* – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'AccountingType': {
```

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```
        'Value': 'string'
    },
    'Autoscaling': {
        'AutoScalingGroupName': 'string',
        'ExpireTime': datetime(2015, 1, 1)
    },
    'BlockDeviceMapping': [
        {
            'DeviceName': 'string',
            'Ebs': {
                'AttachTime': 'string',
                'DeleteOnTermination': 'string',
                'Status': 'string',
                'VolumeId': 'string',
                'VolumeUniqueId': 'string'
            }
        },
    ],
    'CopyInfo': {
        'Value': 'string'
    },
    'Description': {
        'Value': 'string'
    },
    'DisableApiTermination': {
        'Value': True|False
    },
    'GroupId': {
        'Value': 'string'
    },
    'InstanceId': 'string',
    'InstanceType': {
        'Value': 'string'
    },
    'InstanceUniqueId': 'string',
    'IpType': {
        'Value': 'string'
    },
    'Loadbalancing': [
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123,
            'State': 'string'
        },
    ],
    'NetworkInterfaceSet': [
        {
            'Association': {
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': 'string',
                'AttachmentId': 'string',
```

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```
                'DeleteOnTermination': 'string',
                'DeviceIndex': 'string',
                'Status': 'string'
            },
            'Description': 'string',
            'GroupSet': 'string',
            'MacAddress': 'string',
            'MultiIpAddressesSet': [
                {
                    'IpAddress': 'string'
                },
            ],
            'NetworkInterfaceId': 'string',
            'NiftyNetworkId': 'string',
            'NiftyNetworkName': 'string',
            'OwnerId': 'string',
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string',
            'PrivateIpAddressV6': 'string',
            'PrivateIpAddressesSet': 'string',
            'SourceDestCheck': 'string',
            'Status': 'string',
            'SubnetId': 'string',
            'VpcId': 'string'
        },
    ],
    'NextMonthAccountingType': {
        'Value': 'string'
    },
    'NiftyElasticLoadBalancing': [
        {
            'ElasticLoadBalancerId': 'string',
            'ElasticLoadBalancerName': 'string',
            'ElasticLoadBalancerPort': 123,
            'InstancePort': 123,
            'Protocol': 'string'
        },
    ],
    'NiftyPrivateIpType': {
        'Value': 'string'
    },
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **AccountingType** *(dict)* –
    - **Value** *(string)* –
  - **Autoscaling** *(dict)* –
    - **AutoScalingGroupName** *(string)* –
    - **ExpireTime** *(datetime)* –
  - **BlockDeviceMapping** *(list)* –
    - *(dict)* –
      - **DeviceName** *(string)* –
      - **Ebs** *(dict)* –
      - **AttachTime** *(string)* –

        - **DeleteOnTermination** *(string)* –
        - **Status** *(string)* –
        - **VolumeId** *(string)* –
        - **VolumeUniqueId** *(string)* –
- **CopyInfo** *(dict)* –
    - **Value** *(string)* –
- **Description** *(dict)* –
    - **Value** *(string)* –
- **DisableApiTermination** *(dict)* –
    - **Value** *(boolean)* –
- **GroupId** *(dict)* –
    - **Value** *(string)* –
- **InstanceId** *(string)* –
- **InstanceType** *(dict)* –
    - **Value** *(string)* –
- **InstanceUniqueId** *(string)* –
- **IpType** *(dict)* –
    - **Value** *(string)* –
- **Loadbalancing** *(list)* –
    - *(dict)* –
        - **InstancePort** *(integer)* –
        - **LoadBalancerName** *(string)* –
        - **LoadBalancerPort** *(integer)* –
        - **State** *(string)* –
- **NetworkInterfaceSet** *(list)* –
    - *(dict)* –
        - **Association** *(dict)* –
        - **IpOwnerId** *(string)* –
        - **PublicDnsName** *(string)* –
        - **PublicIp** *(string)* –
        - **PublicIpV6** *(string)* –
        - **Attachment** *(dict)* –
        - **AttachTime** *(string)* –
        - **AttachmentId** *(string)* –
        - **DeleteOnTermination** *(string)* –
        - **DeviceIndex** *(string)* –
        - **Status** *(string)* –
        - **Description** *(string)* –
        - **GroupSet** *(string)* –
        - **MacAddress** *(string)* –
        - **MultiIpAddressesSet** *(list)* –
        - *(dict)* –
        - **IpAddress** *(string)* –
        - **NetworkInterfaceId** *(string)* –
        - **NiftyNetworkId** *(string)* –
        - **NiftyNetworkName** *(string)* –
        - **OwnerId** *(string)* –
        - **PrivateDnsName** *(string)* –
        - **PrivateIpAddress** *(string)* –
        - **PrivateIpAddressV6** *(string)* –
        - **PrivateIpAddressesSet** *(string)* –
        - **SourceDestCheck** *(string)* –
        - **Status** *(string)* –
        - **SubnetId** *(string)* –

- · **VpcId** *(string)* –
- – **NextMonthAccountingType** *(dict)* –
  - ∗ **Value** *(string)* –
- – **NiftyElasticLoadBalancing** *(list)* –
  - ∗ *(dict)* –
    - · **ElasticLoadBalancerId** *(string)* –
    - · **ElasticLoadBalancerName** *(string)* –
    - · **ElasticLoadBalancerPort** *(integer)* –
    - · **InstancePort** *(integer)* –
    - · **Protocol** *(string)* –
- – **NiftyPrivateIpType** *(dict)* –
  - ∗ **Value** *(string)* –
- – **RequestId** *(string)* –

computing / Client / describe_instance_backup_rule_activities

describe_instance_backup_rule_activities

`computing.Client.`**`describe_instance_backup_rule_activities`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_instance_backup_rule_activities(
    Duration=123,
    EndDateTime='string',
    InstanceBackupRuleId='string',
    MaxRecords=123
)
```

Parameters

- **`Duration`** (*`integer`*) –
- **`EndDateTime`** (*`string`*) –
- **`InstanceBackupRuleId`** (*`string`*) – **[REQUIRED]**
- **`MaxRecords`** (*`integer`*) –

Return type dict

Returns

Response Syntax

```
{
    'ActivitiesSet': [
        {
            'BackupInstanceUniqueId': 'string',
            'Detail': 'string',
            'EndDateTime': 'string',
            'InstanceUniqueId': 'string',
            'Operation': 'string',
            'StartDateTime': 'string',
            'Status': 'string'
        },
    ],
    'InstanceBackupRuleId': 'string',
    'InstanceBackupRuleName': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **ActivitiesSet** *(list)* –
    - *(dict)* –
      - **BackupInstanceUniqueId** *(string)* –
      - **Detail** *(string)* –
      - **EndDateTime** *(string)* –
      - **InstanceUniqueId** *(string)* –
      - **Operation** *(string)* –
      - **StartDateTime** *(string)* –
      - **Status** *(string)* –
  - **InstanceBackupRuleId** *(string)* –
  - **InstanceBackupRuleName** *(string)* –
  - **RequestId** *(string)* –

computing / Client / describe_instance_backup_rules

describe_instance_backup_rules

`computing.Client.`**`describe_instance_backup_rules`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_instance_backup_rules(
    InstanceBackupRuleId=[
        'string',
    ]
)
```

Parameters **`InstanceBackupRuleId`**`(list)` –

- *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'InstanceBackupRulesSet': [
        {
            'AvailabilityZone': 'string',
            'BackupInstanceMaxCount': 123,
            'Description': 'string',
            'InstanceBackupRuleId': 'string',
            'InstanceBackupRuleName': 'string',
            'InstancesSet': [
                {
                    'BackupInstancesSet': [
                        {
                            'BackupInstanceCreateTime': 'string',
                            'BackupInstanceUniqueId': 'string',
                            'Status': 'string'
                        },
                    ],
                    'InstanceId': 'string',
                    'InstanceUniqueId': 'string'
```

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```
                },
            ],
            'RegionName': 'string',
            'Status': 'string',
            'TimeSlotId': 'string'
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **InstanceBackupRulesSet** *(list)* –
    - *(dict)* –
      - **AvailabilityZone** *(string)* –
      - **BackupInstanceMaxCount** *(integer)* –
      - **Description** *(string)* –
      - **InstanceBackupRuleId** *(string)* –
      - **InstanceBackupRuleName** *(string)* –
      - **InstancesSet** *(list)* –
      - *(dict)* –
      - **BackupInstancesSet** *(list)* –
      - *(dict)* –
      - **BackupInstanceCreateTime** *(string)* –
      - **BackupInstanceUniqueId** *(string)* –
      - **Status** *(string)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
      - **RegionName** *(string)* –
      - **Status** *(string)* –
      - **TimeSlotId** *(string)* –
  - **RequestId** *(string)* –

computing / Client / describe_instance_health

describe_instance_health

`computing.Client.`**`describe_instance_health`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_instance_health(
    InstancePort=123,
    Instances=[
        {
            'InstanceId': 'string'
        },
    ],
    LoadBalancerName='string',
    LoadBalancerPort=123
)
```

Parameters

- **`InstancePort`** (*integer*) – **[REQUIRED]**

- **Instances** (*list*) –
  - *(dict)* –
    - **InstanceId** *(string)* –
- **LoadBalancerName** (*string*) – **[REQUIRED]**
- **LoadBalancerPort** (*integer*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'DescribeInstanceHealthResult': {
        'InstanceStates': [
            {
                'Description': 'string',
                'InstanceId': 'string',
                'InstanceUniqueId': 'string',
                'ReasonCode': 'string',
                'State': 'string'
            },
        ]
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DescribeInstanceHealthResult** *(dict)* –
    - **InstanceStates** *(list)* –
      - *(dict)* –
      - **Description** *(string)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
      - **ReasonCode** *(string)* –
      - **State** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / describe_instances

describe_instances

`computing.Client.`**`describe_instances`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_instances(
    InstanceId=[
        'string',
    ],
    Tenancy=[
        'string',
    ]
)
```

Parameters

- **InstanceId** (*list*) –
  - *(string)* –
- **Tenancy** (*list*) –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'ReservationSet': [
        {
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'InstancesSet': [
                {
                    'AccountingType': 'string',
                    'AmiLaunchIndex': 'string',
                    'Architecture': 'string',
                    'Autoscaling': {
                        'AutoScalingGroupName': 'string',
                        'ExpireTime': datetime(2015, 1, 1)
                    },
                    'BlockDeviceMapping': [
                        {
                            'DeviceName': 'string',
                            'Ebs': {
                                'AttachTime': 'string',
                                'DeleteOnTermination': 'string',
                                'Status': 'string',
                                'VolumeId': 'string',
                                'VolumeUniqueId': 'string'
                            }
                        },
                    ],
                    'CopyInfo': 'string',
                    'Description': 'string',
                    'DnsName': 'string',
                    'HotAdd': 'string',
                    'ImageId': 'string',
                    'ImageName': 'string',
                    'InstanceBackupRule': {
                        'InstanceBackupRuleId': 'string',
                        'InstanceBackupRuleName': 'string'
                    },
                    'InstanceId': 'string',
                    'InstanceLifecycle': 'string',
                    'InstanceState': {
                        'Code': 123,
                        'Name': 'string'
                    },
                    'InstanceType': 'string',
                    'InstanceUniqueId': 'string',
```

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```
                    'IpAddress': 'string',
                    'IpAddressV6': 'string',
                    'IpType': 'string',
                    'IsoImageSet': [
                        {
                            'IsoImageId': 'string',
                            'IsoImageName': 'string'
                        },
                    ],
                    'KernelId': 'string',
                    'KeyName': 'string',
                    'LaunchTime': datetime(2015, 1, 1),
                    'Loadbalancing': [
                        {
                            'InstancePort': 123,
                            'LoadBalancerName': 'string',
                            'LoadBalancerPort': 123,
                            'State': 'string'
                        },
                    ],
                    'Monitoring': {
                        'State': 'string'
                    },
                    'MultiIpAddressGroup': {
                        'MultiIpAddressGroupId': 'string',
                        'MultiIpAddressGroupName': 'string'
                    },
                    'NetworkInterfaceSet': [
                        {
                            'Association': {
                                'IpOwnerId': 'string',
                                'PublicDnsName': 'string',
                                'PublicIp': 'string',
                                'PublicIpV6': 'string'
                            },
                            'Attachment': {
                                'AttachTime': 'string',
                                'AttachmentId': 'string',
                                'DeleteOnTermination': 'string',
                                'DeviceIndex': 'string',
                                'Status': 'string'
                            },
                            'Description': 'string',
                            'GroupSet': [
                                {
                                    'GroupId': 'string'
                                },
                            ],
                            'MacAddress': 'string',
                            'MultiIpAddressesSet': [
                                {
                                    'IpAddress': 'string'
                                },
                            ],
                            'NetworkInterfaceId': 'string',
                            'NiftyNetworkId': 'string',
                            'NiftyNetworkName': 'string',
```

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```
                        'OwnerId': 'string',
                        'PrivateDnsName': 'string',
                        'PrivateIpAddress': 'string',
                        'PrivateIpAddressV6': 'string',
                        'PrivateIpAddressesSet': [
                            {
                                'Association': {
                                    'IpOwnerId': 'string',
                                    'PublicDnsName': 'string',
                                    'PublicIp': 'string',
                                    'PublicIpV6': 'string'
                                },
                                'Primary': True|False,
                                'PrivateDnsName': 'string',
                                'PrivateIpAddress': 'string'
                            },
                        ],
                        'SourceDestCheck': 'string',
                        'Status': 'string',
                        'SubnetId': 'string',
                        'VpcId': 'string'
                    },
                ],
                'NextMonthAccountingType': 'string',
                'NiftyElasticLoadBalancing': [
                    {
                        'ElasticLoadBalancerId': 'string',
                        'ElasticLoadBalancerName': 'string',
                        'ElasticLoadBalancerPort': 123,
                        'InstancePort': 123,
                        'Protocol': 'string'
                    },
                ],
                'NiftyPrivateIpType': 'string',
                'NiftyPrivateNetworkType': 'string',
                'NiftySnapshotting': [
                    {
                        'State': 'string'
                    },
                ],
                'Placement': {
                    'AvailabilityZone': 'string'
                },
                'Platform': 'string',
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string',
                'PrivateIpAddressV6': 'string',
                'ProductCodes': [
                    {
                        'ProductCode': 'string'
                    },
                ],
                'RamdiskId': 'string',
                'Reason': 'string',
                'RootDeviceName': 'string',
                'RootDeviceType': 'string',
                'SpotInstanceRequestId': 'string',
```

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```
                    'StateReason': {
                        'Code': 'string',
                        'Message': 'string'
                    },
                    'SubnetId': 'string',
                    'Tenancy': 'string',
                    'VmTools': {
                        'State': 'string',
                        'Version': 'string'
                    },
                    'VpcId': 'string'
                },
            ],
            'OwnerId': 'string',
            'ReservationId': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **ReservationSet** *(list)* –
    - *(dict)* –
      - **GroupSet** *(list)* –
      - *(dict)* –
      - **GroupId** *(string)* –
      - **InstancesSet** *(list)* –
      - *(dict)* –
      - **AccountingType** *(string)* –
      - **AmiLaunchIndex** *(string)* –
      - **Architecture** *(string)* –
      - **Autoscaling** *(dict)* –
      - **AutoScalingGroupName** *(string)* –
      - **ExpireTime** *(datetime)* –
      - **BlockDeviceMapping** *(list)* –
      - *(dict)* –
      - **DeviceName** *(string)* –
      - **Ebs** *(dict)* –
      - **AttachTime** *(string)* –
      - **DeleteOnTermination** *(string)* –
      - **Status** *(string)* –
      - **VolumeId** *(string)* –
      - **VolumeUniqueId** *(string)* –
      - **CopyInfo** *(string)* –
      - **Description** *(string)* –
      - **DnsName** *(string)* –
      - **HotAdd** *(string)* –
      - **ImageId** *(string)* –
      - **ImageName** *(string)* –
      - **InstanceBackupRule** *(dict)* –
      - **InstanceBackupRuleId** *(string)* –
      - **InstanceBackupRuleName** *(string)* –
      - **InstanceId** *(string)* –

- **InstanceLifecycle** *(string)* –
- **InstanceState** *(dict)* –
- **Code** *(integer)* –
- **Name** *(string)* –
- **InstanceType** *(string)* –
- **InstanceUniqueId** *(string)* –
- **IpAddress** *(string)* –
- **IpAddressV6** *(string)* –
- **IpType** *(string)* –
- **IsoImageSet** *(list)* –
- *(dict)* –
- **IsoImageId** *(string)* –
- **IsoImageName** *(string)* –
- **KernelId** *(string)* –
- **KeyName** *(string)* –
- **LaunchTime** *(datetime)* –
- **Loadbalancing** *(list)* –
- *(dict)* –
- **InstancePort** *(integer)* –
- **LoadBalancerName** *(string)* –
- **LoadBalancerPort** *(integer)* –
- **State** *(string)* –
- **Monitoring** *(dict)* –
- **State** *(string)* –
- **MultiIpAddressGroup** *(dict)* –
- **MultiIpAddressGroupId** *(string)* –
- **MultiIpAddressGroupName** *(string)* –
- **NetworkInterfaceSet** *(list)* –
- *(dict)* –
- **Association** *(dict)* –
- **IpOwnerId** *(string)* –
- **PublicDnsName** *(string)* –
- **PublicIp** *(string)* –
- **PublicIpV6** *(string)* –
- **Attachment** *(dict)* –
- **AttachTime** *(string)* –
- **AttachmentId** *(string)* –
- **DeleteOnTermination** *(string)* –
- **DeviceIndex** *(string)* –
- **Status** *(string)* –
- **Description** *(string)* –
- **GroupSet** *(list)* –
- *(dict)* –
- **GroupId** *(string)* –
- **MacAddress** *(string)* –
- **MultiIpAddressesSet** *(list)* –
- *(dict)* –
- **IpAddress** *(string)* –
- **NetworkInterfaceId** *(string)* –
- **NiftyNetworkId** *(string)* –
- **NiftyNetworkName** *(string)* –
- **OwnerId** *(string)* –
- **PrivateDnsName** *(string)* –
- **PrivateIpAddress** *(string)* –

- **PrivateIpAddressV6** *(string)* –
- **PrivateIpAddressesSet** *(list)* –
- *(dict)* –
- **Association** *(dict)* –
- **IpOwnerId** *(string)* –
- **PublicDnsName** *(string)* –
- **PublicIp** *(string)* –
- **PublicIpV6** *(string)* –
- **Primary** *(boolean)* –
- **PrivateDnsName** *(string)* –
- **PrivateIpAddress** *(string)* –
- **SourceDestCheck** *(string)* –
- **Status** *(string)* –
- **SubnetId** *(string)* –
- **VpcId** *(string)* –
- **NextMonthAccountingType** *(string)* –
- **NiftyElasticLoadBalancing** *(list)* –
- *(dict)* –
- **ElasticLoadBalancerId** *(string)* –
- **ElasticLoadBalancerName** *(string)* –
- **ElasticLoadBalancerPort** *(integer)* –
- **InstancePort** *(integer)* –
- **Protocol** *(string)* –
- **NiftyPrivateIpType** *(string)* –
- **NiftyPrivateNetworkType** *(string)* –
- **NiftySnapshotting** *(list)* –
- *(dict)* –
- **State** *(string)* –
- **Placement** *(dict)* –
- **AvailabilityZone** *(string)* –
- **Platform** *(string)* –
- **PrivateDnsName** *(string)* –
- **PrivateIpAddress** *(string)* –
- **PrivateIpAddressV6** *(string)* –
- **ProductCodes** *(list)* –
- *(dict)* –
- **ProductCode** *(string)* –
- **RamdiskId** *(string)* –
- **Reason** *(string)* –
- **RootDeviceName** *(string)* –
- **RootDeviceType** *(string)* –
- **SpotInstanceRequestId** *(string)* –
- **StateReason** *(dict)* –
- **Code** *(string)* –
- **Message** *(string)* –
- **SubnetId** *(string)* –
- **Tenancy** *(string)* –
- **VmTools** *(dict)* –
- **State** *(string)* –
- **Version** *(string)* –
- **VpcId** *(string)* –
- **OwnerId** *(string)* –
- **ReservationId** *(string)* –

computing / Client / describe_iso_images

describe_iso_images

computing.Client.**describe_iso_images**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_iso_images(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'iso-image-id'|'iso-image-name'|'availability-zone'|
↪'description'
        },
    ],
    IsoImageId='string'
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **IsoImageId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'IsoImagesSet': [
        {
            'AvailabilityZone': 'string',
            'CreatedTime': 'string',
            'Description': 'string',
            'ExpiredTime': 'string',
            'InstancesSet': [
                {
                    'InstanceId': 'string',
                    'InstanceUniqueId': 'string'
                },
            ],
            'IsoImageId': 'string',
            'IsoImageName': 'string',
            'IsoImageSize': 'string',
            'Status': 'string'
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **IsoImagesSet** *(list)* –
    - *(dict)* –
      - **AvailabilityZone** *(string)* –
      - **CreatedTime** *(string)* –
      - **Description** *(string)* –
      - **ExpiredTime** *(string)* –
      - **InstancesSet** *(list)* –
      - *(dict)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
      - **IsoImageId** *(string)* –
      - **IsoImageName** *(string)* –
      - **IsoImageSize** *(string)* –
      - **Status** *(string)* –
  - **RequestId** *(string)* –

computing / Client / describe_key_pairs

describe_key_pairs

`computing.Client.`**`describe_key_pairs`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_key_pairs(
    KeyName=[
        'string',
    ]
)
```

Parameters **`KeyName`** *(list)* –

- *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'KeySet': [
        {
            'Description': 'string',
            'InstancesSet': [
                {
                    'InstanceId': 'string',
                    'RegionName': 'string'
                },
            ],
            'KeyFingerprint': 'string',
            'KeyName': 'string'
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **KeySet** *(list)* –
    - *(dict)* –
      - **Description** *(string)* –
      - **InstancesSet** *(list)* –
      - *(dict)* –
      - **InstanceId** *(string)* –
      - **RegionName** *(string)* –
      - **KeyFingerprint** *(string)* –
      - **KeyName** *(string)* –
  - **RequestId** *(string)* –

computing / Client / describe_load_balancers

describe_load_balancers

`computing.Client.`**`describe_load_balancers`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_load_balancers(
    LoadBalancerNames=[
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123
        },
    ],
    Owner='self'|'other'|'all'
)
```

Parameters

- **`LoadBalancerNames`** `(list)` –
  - *(dict)* –
    - **InstancePort** *(integer)* –
    - **LoadBalancerName** *(string)* –
    - **LoadBalancerPort** *(integer)* –
- **`Owner`** `(string)` –

Return type dict

Returns

Response Syntax

```
{
    'DescribeLoadBalancersResult': {
        'LoadBalancerDescriptions': [
            {
                'AccountingType': 'string',
                'AvailabilityZones': [
                    'string',
                ],
                'CreatedTime': datetime(2015, 1, 1),
                'DNSName': 'string',
                'Description': 'string',
                'Filter': {
```

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```
                    'FilterType': 'string',
                    'IPAddresses': [
                        {
                            'IPAddress': 'string'
                        },
                    ]
                },
                'HealthCheck': {
                    'HealthyThreshold': 123,
                    'InstanceStates': [
                        {
                            'Description': 'string',
                            'InstanceId': 'string',
                            'InstanceUniqueId': 'string',
                            'ReasonCode': 'string',
                            'State': 'string'
                        },
                    ],
                    'Interval': 123,
                    'Target': 'string',
                    'Timeout': 123,
                    'UnhealthyThreshold': 123
                },
                'Instances': [
                    {
                        'InstanceId': 'string',
                        'InstanceUniqueId': 'string'
                    },
                ],
                'ListenerDescriptions': [
                    {
                        'Listener': {
                            'BalancingType': 123,
                            'InstancePort': 123,
                            'LoadBalancerPort': 123,
                            'Protocol': 'string',
                            'SSLCertificateId': 'string',
                            'SSLPolicy': {
                                'SSLPolicyId': 'string',
                                'SSLPolicyName': 'string'
                            }
                        }
                    },
                ],
                'LoadBalancerName': 'string',
                'NetworkVolume': 123,
                'NextMonthAccountingType': 'string',
                'Option': {
                    'SessionStickinessPolicy': {
                        'Enabled': True|False,
                        'ExpirationPeriod': 123
                    },
                    'SorryPage': {
                        'Enabled': True|False,
                        'StatusCode': 123
                    }
                },
```

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```
                'Policies': {
                    'AppCookieStickinessPolicies': [
                        {
                            'CookieName': 'string',
                            'PolicyName': 'string'
                        },
                    ],
                    'LBCookieStickinessPolicies': [
                        {
                            'CookieExpirationPeriod': 'string',
                            'PolicyName': 'string'
                        },
                    ]
                },
                'PolicyType': 'string'
            },
        ]
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DescribeLoadBalancersResult** *(dict)* –
    - **LoadBalancerDescriptions** *(list)* –
      - *(dict)* –
      - **AccountingType** *(string)* –
      - **AvailabilityZones** *(list)* –
      - *(string)* –
      - **CreatedTime** *(datetime)* –
      - **DNSName** *(string)* –
      - **Description** *(string)* –
      - **Filter** *(dict)* –
      - **FilterType** *(string)* –
      - **IPAddresses** *(list)* –
      - *(dict)* –
      - **IPAddress** *(string)* –
      - **HealthCheck** *(dict)* –
      - **HealthyThreshold** *(integer)* –
      - **InstanceStates** *(list)* –
      - *(dict)* –
      - **Description** *(string)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
      - **ReasonCode** *(string)* –
      - **State** *(string)* –
      - **Interval** *(integer)* –
      - **Target** *(string)* –
      - **Timeout** *(integer)* –
      - **UnhealthyThreshold** *(integer)* –
      - **Instances** *(list)* –
      - *(dict)* –

- **InstanceId** *(string)* –
- **InstanceUniqueId** *(string)* –
- **ListenerDescriptions** *(list)* –
- *(dict)* –
- **Listener** *(dict)* –
- **BalancingType** *(integer)* –
- **InstancePort** *(integer)* –
- **LoadBalancerPort** *(integer)* –
- **Protocol** *(string)* –
- **SSLCertificateId** *(string)* –
- **SSLPolicy** *(dict)* –
- **SSLPolicyId** *(string)* –
- **SSLPolicyName** *(string)* –
- **LoadBalancerName** *(string)* –
- **NetworkVolume** *(integer)* –
- **NextMonthAccountingType** *(string)* –
- **Option** *(dict)* –
- **SessionStickinessPolicy** *(dict)* –
- **Enabled** *(boolean)* –
- **ExpirationPeriod** *(integer)* –
- **SorryPage** *(dict)* –
- **Enabled** *(boolean)* –
- **StatusCode** *(integer)* –
- **Policies** *(dict)* –
- **AppCookieStickinessPolicies** *(list)* –
- *(dict)* –
- **CookieName** *(string)* –
- **PolicyName** *(string)* –
- **LBCookieStickinessPolicies** *(list)* –
- *(dict)* –
- **CookieExpirationPeriod** *(string)* –
- **PolicyName** *(string)* –
- **PolicyType** *(string)* –

– **ResponseMetadata** *(dict)* –

* **RequestId** *(string)* –

computing / Client / describe_multi_ip_address_groups

describe_multi_ip_address_groups

`computing.Client.`**`describe_multi_ip_address_groups`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_multi_ip_address_groups(
    MultiIpAddressGroupId=[
        'string',
    ]
)
```

Parameters **`MultiIpAddressGroupId`**`(list)` –

- *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'MultiIpAddressGroupsSet': [
        {
            'AvailabilityZone': 'string',
            'CreateTime': 'string',
            'Description': 'string',
            'InstancesSet': [
                {
                    'InstanceId': 'string',
                    'InstanceUniqueId': 'string'
                },
            ],
            'MultiIpAddressGroupId': 'string',
            'MultiIpAddressGroupName': 'string',
            'MultiIpAddressNetwork': {
                'DefaultGateway': 'string',
                'IpAddressesSet': [
                    {
                        'IpAddress': 'string'
                    },
                ],
                'SubnetMask': 'string'
            },
            'Status': 'string'
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **MultiIpAddressGroupsSet** *(list)* –
    - *(dict)* –
      - **AvailabilityZone** *(string)* –
      - **CreateTime** *(string)* –
      - **Description** *(string)* –
      - **InstancesSet** *(list)* –
      - *(dict)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
      - **MultiIpAddressGroupId** *(string)* –
      - **MultiIpAddressGroupName** *(string)* –
      - **MultiIpAddressNetwork** *(dict)* –
      - **DefaultGateway** *(string)* –
      - **IpAddressesSet** *(list)* –
      - *(dict)* –
      - **IpAddress** *(string)* –
      - **SubnetMask** *(string)* –
      - **Status** *(string)* –
  - **RequestId** *(string)* –

computing / Client / describe_network_interfaces

describe_network_interfaces

`computing.Client.describe_network_interfaces(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_network_interfaces(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'attachment.instance-id'|'availability-zone'|'description'|
↪'network-interface-id'|'nifty-network-id'|'nifty-network-name'
        },
    ],
    NetworkInterfaceId=[
        'string',
    ]
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **NetworkInterfaceId** (*list*) –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': 'string',
                'AttachmentId': 'string',
                'DeleteOnTermination': 'string',
                'DeviceIndex': 'string',
                'InstanceId': 'string',
                'InstanceOwnerId': 'string',
                'Status': 'string'
            },
            'AvailabilityZone': 'string',
            'Description': 'string',
            'GroupSet': [
```

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```
                {
                    'GroupId': 'string'
                },
            ],
            'InterfaceType': 'string',
            'Ipv6AddressesSet': [
                {
                    'Ipv6Address': 'string'
                },
            ],
            'MacAddress': 'string',
            'NetworkInterfaceId': 'string',
            'NiftyNetworkId': 'string',
            'NiftyNetworkName': 'string',
            'OwnerId': 'string',
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string',
            'PrivateIpAddressV6': 'string',
            'PrivateIpAddressesSet': [
                {
                    'Association': {
                        'AllocationId': 'string',
                        'AssociationId': 'string',
                        'IpOwnerId': 'string',
                        'PublicDnsName': 'string',
                        'PublicIp': 'string',
                        'PublicIpV6': 'string'
                    },
                    'Primary': 'string',
                    'PrivateDnsName': 'string',
                    'PrivateIpAddress': 'string'
                },
            ],
            'RequesterId': 'string',
            'RequesterManaged': 'string',
            'SourceDestCheck': 'string',
            'Status': 'string',
            'SubnetId': 'string',
            'TagSet': [
                {
                    'Key': 'string',
                    'Value': 'string'
                },
            ],
            'VpcId': 'string'
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **NetworkInterfaceSet** *(list)* –
    - *(dict)* –
      - **Association** *(dict)* –
      - **AllocationId** *(string)* –
      - **AssociationId** *(string)* –

- **IpOwnerId** *(string)* –
- **PublicDnsName** *(string)* –
- **PublicIp** *(string)* –
- **PublicIpV6** *(string)* –
- **Attachment** *(dict)* –
- **AttachTime** *(string)* –
- **AttachmentId** *(string)* –
- **DeleteOnTermination** *(string)* –
- **DeviceIndex** *(string)* –
- **InstanceId** *(string)* –
- **InstanceOwnerId** *(string)* –
- **Status** *(string)* –
- **AvailabilityZone** *(string)* –
- **Description** *(string)* –
- **GroupSet** *(list)* –
- *(dict)* –
- **GroupId** *(string)* –
- **InterfaceType** *(string)* –
- **Ipv6AddressesSet** *(list)* –
- *(dict)* –
- **Ipv6Address** *(string)* –
- **MacAddress** *(string)* –
- **NetworkInterfaceId** *(string)* –
- **NiftyNetworkId** *(string)* –
- **NiftyNetworkName** *(string)* –
- **OwnerId** *(string)* –
- **PrivateDnsName** *(string)* –
- **PrivateIpAddress** *(string)* –
- **PrivateIpAddressV6** *(string)* –
- **PrivateIpAddressesSet** *(list)* –
- *(dict)* –
- **Association** *(dict)* –
- **AllocationId** *(string)* –
- **AssociationId** *(string)* –
- **IpOwnerId** *(string)* –
- **PublicDnsName** *(string)* –
- **PublicIp** *(string)* –
- **PublicIpV6** *(string)* –
- **Primary** *(string)* –
- **PrivateDnsName** *(string)* –
- **PrivateIpAddress** *(string)* –
- **RequesterId** *(string)* –
- **RequesterManaged** *(string)* –
- **SourceDestCheck** *(string)* –
- **Status** *(string)* –
- **SubnetId** *(string)* –
- **TagSet** *(list)* –
- *(dict)* –
- **Key** *(string)* –
- **Value** *(string)* –
- **VpcId** *(string)* –

– **RequestId** *(string)* –

computing / Client / describe_regions

describe_regions

`computing.Client.describe_regions(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_regions(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'string'
        },
    ],
    RegionName=[
        'string',
    ]
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **RegionName** (*list*) –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RegionInfo': [
        {
            'IsDefault': True|False,
            'MessageSet': [
                {
                    'Message': 'string'
                },
            ],
            'RegionEndpoint': 'string',
            'RegionName': 'string'
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **RegionInfo** *(list)* –
    - *(dict)* –
      - **IsDefault** *(boolean)* –
      - **MessageSet** *(list)* –
      - *(dict)* –
      - **Message** *(string)* –

· **RegionEndpoint** *(string)* –
· **RegionName** *(string)* –
– **RequestId** *(string)* –

computing / Client / describe_remote_access_vpn_gateway_activities

describe_remote_access_vpn_gateway_activities

`computing.Client.`**`describe_remote_access_vpn_gateway_activities`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_remote_access_vpn_gateway_activities(
    RemoteAccessVpnGatewayId='string'
)
```

Parameters **`RemoteAccessVpnGatewayId`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Log': 'string',
    'RemoteAccessVpnGatewayId': 'string',
    'RemoteAccessVpnGatewayName': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  – **Log** *(string)* –
  – **RemoteAccessVpnGatewayId** *(string)* –
  – **RemoteAccessVpnGatewayName** *(string)* –
  – **RequestId** *(string)* –

computing / Client / describe_remote_access_vpn_gateway_client_config

describe_remote_access_vpn_gateway_client_config

`computing.Client.`**`describe_remote_access_vpn_gateway_client_config`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_remote_access_vpn_gateway_client_config(
    RemoteAccessVpnGatewayId='string'
)
```

Parameters **`RemoteAccessVpnGatewayId`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Encoding': 'string',
    'FileData': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **Encoding** *(string)* –
  - **FileData** *(string)* –
  - **RequestId** *(string)* –

computing / Client / describe_remote_access_vpn_gateway_connections

describe_remote_access_vpn_gateway_connections

`computing.Client.`**`describe_remote_access_vpn_gateway_connections`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_remote_access_vpn_gateway_connections(
    RemoteAccessVpnGatewayId='string'
)
```

Parameters **`RemoteAccessVpnGatewayId`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RemoteAccessVpnGatewayConnection': {
        'ConnectionCount': 123,
        'ConnectionSet': [
            {
                'AssignedIpAddress': 'string',
                'ClientIpAddress': 'string',
                'ConnectionId': 'string',
                'RemoteUserName': 'string',
                'StartTime': 'string'
            },
        ]
    },
    'RemoteAccessVpnGatewayId': 'string',
    'RemoteAccessVpnGatewayName': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **RemoteAccessVpnGatewayConnection** *(dict)* –
    - **ConnectionCount** *(integer)* –
    - **ConnectionSet** *(list)* –
      - *(dict)* –
      - **AssignedIpAddress** *(string)* –
      - **ClientIpAddress** *(string)* –

- · **ConnectionId** *(string)* –
- · **RemoteUserName** *(string)* –
- · **StartTime** *(string)* –

– **RemoteAccessVpnGatewayId** *(string)* –
– **RemoteAccessVpnGatewayName** *(string)* –
– **RequestId** *(string)* –

computing / Client / describe_remote_access_vpn_gateways

describe_remote_access_vpn_gateways

`computing.Client.`**`describe_remote_access_vpn_gateways`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_remote_access_vpn_gateways(
    RemoteAccessVpnGatewayId=[
        'string',
    ]
)
```

Parameters **`RemoteAccessVpnGatewayId`**`(list)` –

- *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RemoteAccessVpnGatewaySet': [
        {
            'AccountingType': 'string',
            'AuthTypeSet': [
                {
                    'AuthType': 'string'
                },
            ],
            'AvailabilityZone': 'string',
            'CaCertificateId': 'string',
            'CipherSuiteSet': [
                {
                    'CipherSuite': 'string'
                },
            ],
            'ClientDownloadEndpoint': 'string',
            'ClientTunnelMode': 'string',
            'CreatedTime': 'string',
            'Description': 'string',
            'GroupSet': 'string',
            'IsConfiguredNat': 'string',
            'NetworkInterfaceSet': [
                {
                    'Association': {
                        'AllocationId': 'string',
                        'AssociationId': 'string',
                        'IpOwnerId': 'string',
```

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```
                        'PublicDnsName': 'string',
                        'PublicIp': 'string',
                        'PublicIpV6': 'string'
                    },
                    'Attachment': {
                        'AttachTime': 'string',
                        'AttachmentId': 'string',
                        'DeleteOnTermination': 'string',
                        'DeviceIndex': 'string',
                        'InstanceId': 'string',
                        'InstanceOwnerId': 'string',
                        'Status': 'string'
                    },
                    'AvailabilityZone': 'string',
                    'Description': 'string',
                    'GroupSet': 'string',
                    'InterfaceType': 'string',
                    'Ipv6AddressesSet': 'string',
                    'MacAddress': 'string',
                    'NetworkInterfaceId': 'string',
                    'NiftyNetworkId': 'string',
                    'NiftyNetworkName': 'string',
                    'OwnerId': 'string',
                    'PrivateDnsName': 'string',
                    'PrivateIpAddress': 'string',
                    'PrivateIpAddressV6': 'string',
                    'PrivateIpAddressesSet': 'string',
                    'RequesterId': 'string',
                    'RequesterManaged': 'string',
                    'SourceDestCheck': 'string',
                    'Status': 'string',
                    'SubnetId': 'string',
                    'TagSet': 'string',
                    'VpcId': 'string'
                },
            ],
            'NextMonthAccountingType': 'string',
            'PoolNetworkCidr': 'string',
            'PoolNetworkGatewayIpAddress': 'string',
            'RemoteAccessVpnGatewayId': 'string',
            'RemoteAccessVpnGatewayName': 'string',
            'RemoteAccessVpnGatewayType': 'string',
            'RemoteUserSet': [
                {
                    'Description': 'string',
                    'UserName': 'string'
                },
            ],
            'RouteTableAssociationId': 'string',
            'RouteTableId': 'string',
            'SslCertificateId': 'string',
            'Status': 'string',
            'VersionInformation': {
                'IsLatest': 'string',
                'Version': 'string'
            }
        },
```

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```
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **RemoteAccessVpnGatewaySet** *(list)* –
    - *(dict)* –
      - **AccountingType** *(string)* –
      - **AuthTypeSet** *(list)* –
      - *(dict)* –
      - **AuthType** *(string)* –
      - **AvailabilityZone** *(string)* –
      - **CaCertificateId** *(string)* –
      - **CipherSuiteSet** *(list)* –
      - *(dict)* –
      - **CipherSuite** *(string)* –
      - **ClientDownloadEndpoint** *(string)* –
      - **ClientTunnelMode** *(string)* –
      - **CreatedTime** *(string)* –
      - **Description** *(string)* –
      - **GroupSet** *(string)* –
      - **IsConfiguredNat** *(string)* –
      - **NetworkInterfaceSet** *(list)* –
      - *(dict)* –
      - **Association** *(dict)* –
      - **AllocationId** *(string)* –
      - **AssociationId** *(string)* –
      - **IpOwnerId** *(string)* –
      - **PublicDnsName** *(string)* –
      - **PublicIp** *(string)* –
      - **PublicIpV6** *(string)* –
      - **Attachment** *(dict)* –
      - **AttachTime** *(string)* –
      - **AttachmentId** *(string)* –
      - **DeleteOnTermination** *(string)* –
      - **DeviceIndex** *(string)* –
      - **InstanceId** *(string)* –
      - **InstanceOwnerId** *(string)* –
      - **Status** *(string)* –
      - **AvailabilityZone** *(string)* –
      - **Description** *(string)* –
      - **GroupSet** *(string)* –
      - **InterfaceType** *(string)* –
      - **Ipv6AddressesSet** *(string)* –
      - **MacAddress** *(string)* –
      - **NetworkInterfaceId** *(string)* –
      - **NiftyNetworkId** *(string)* –
      - **NiftyNetworkName** *(string)* –
      - **OwnerId** *(string)* –
      - **PrivateDnsName** *(string)* –
      - **PrivateIpAddress** *(string)* –
      - **PrivateIpAddressV6** *(string)* –

- **PrivateIpAddressesSet** *(string)* –
- **RequesterId** *(string)* –
- **RequesterManaged** *(string)* –
- **SourceDestCheck** *(string)* –
- **Status** *(string)* –
- **SubnetId** *(string)* –
- **TagSet** *(string)* –
- **VpcId** *(string)* –
- **NextMonthAccountingType** *(string)* –
- **PoolNetworkCidr** *(string)* –
- **PoolNetworkGatewayIpAddress** *(string)* –
- **RemoteAccessVpnGatewayId** *(string)* –
- **RemoteAccessVpnGatewayName** *(string)* –
- **RemoteAccessVpnGatewayType** *(string)* –
- **RemoteUserSet** *(list)* –
- *(dict)* –
- **Description** *(string)* –
- **UserName** *(string)* –
- **RouteTableAssociationId** *(string)* –
- **RouteTableId** *(string)* –
- **SslCertificateId** *(string)* –
- **Status** *(string)* –
- **VersionInformation** *(dict)* –
- **IsLatest** *(string)* –
- **Version** *(string)* –

– **RequestId** *(string)* –

computing / Client / describe_resources

describe_resources

`computing.Client.`**`describe_resources`**`()`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_resources()
```

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'ResourceInfo': {
        'AddDiskCount': 123,
        'AddDiskTotalSize': 123,
        'AutoScaleCount': 123,
        'CustomizeImageCount': 123,
        'DynamicIpCount': 123,
        'ElasticIpItemSet': [
            {
                'Count': 123,
                'Type': 'string'
```

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```
            },
        ],
        'ElasticLoadBalancerCount': 123,
        'InstanceBackupRuleCount': 123,
        'InstanceItemSet': [
            {
                'Count': 123,
                'Type': 'string'
            },
        ],
        'LoadBalancerCount': 123,
        'MigrationHubItemSet': [
            {
                'Count': 123,
                'Type': 'string'
            },
        ],
        'MonitoringRuleCount': 123,
        'MultiIpAddressItemSet': [
            {
                'Count': 123,
                'Type': 'string'
            },
        ],
        'NetworkFlowAmount': 123,
        'NetworkInterfaceItemSet': [
            {
                'Count': 123,
                'Type': 'string'
            },
        ],
        'NiftyMultiAccountCount': 123,
        'PremiumSupportSet': [
            {
                'SupportName': 'string'
            },
        ],
        'PrivateLanClassicCount': 123,
        'PrivateLanCount': 123,
        'RemoteAccessVpnGatewaySet': [
            {
                'Count': 123,
                'Type': 'string'
            },
        ],
        'RouterItemSet': [
            {
                'Count': 123,
                'Type': 'string'
            },
        ],
        'SecurityGroupCount': 123,
        'SslCertCount': 123,
        'VpnGatewayItemSet': [
            {
                'Count': 123,
                'Type': 'string'
```

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```
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **ResourceInfo** *(dict)* –
    - **AddDiskCount** *(integer)* –
    - **AddDiskTotalSize** *(integer)* –
    - **AutoScaleCount** *(integer)* –
    - **CustomizeImageCount** *(integer)* –
    - **DynamicIpCount** *(integer)* –
    - **ElasticIpItemSet** *(list)* –
      - *(dict)* –
      - **Count** *(integer)* –
      - **Type** *(string)* –
    - **ElasticLoadBalancerCount** *(integer)* –
    - **InstanceBackupRuleCount** *(integer)* –
    - **InstanceItemSet** *(list)* –
      - *(dict)* –
      - **Count** *(integer)* –
      - **Type** *(string)* –
    - **LoadBalancerCount** *(integer)* –
    - **MigrationHubItemSet** *(list)* –
      - *(dict)* –
      - **Count** *(integer)* –
      - **Type** *(string)* –
    - **MonitoringRuleCount** *(integer)* –
    - **MultiIpAddressItemSet** *(list)* –
      - *(dict)* –
      - **Count** *(integer)* –
      - **Type** *(string)* –
    - **NetworkFlowAmount** *(integer)* –
    - **NetworkInterfaceItemSet** *(list)* –
      - *(dict)* –
      - **Count** *(integer)* –
      - **Type** *(string)* –
    - **NiftyMultiAccountCount** *(integer)* –
    - **PremiumSupportSet** *(list)* –
      - *(dict)* –
      - **SupportName** *(string)* –
    - **PrivateLanClassicCount** *(integer)* –
    - **PrivateLanCount** *(integer)* –
    - **RemoteAccessVpnGatewaySet** *(list)* –
      - *(dict)* –
      - **Count** *(integer)* –
      - **Type** *(string)* –
    - **RouterItemSet** *(list)* –
      - *(dict)* –
      - **Count** *(integer)* –
      - **Type** *(string)* –

- **SecurityGroupCount** *(integer)* –
- **SslCertCount** *(integer)* –
- **VpnGatewayItemSet** *(list)* –
  - *(dict)* –
  - **Count** *(integer)* –
  - **Type** *(string)* –

computing / Client / describe_route_tables

describe_route_tables

`computing.Client.`**`describe_route_tables`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_route_tables(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'association.route-table-association-id'|'association.route-table-id'|'association.router-id'|'association.router-name'|'association.main'|'route-table-id'|'route.destination-cidr-block'|'route.gateway-id'|'route.vpc-peering-connection-id'|'route.origin'|'route.state'|'route.ip-address'|'route.network-id'
        },
    ],
    RouteTableId=[
        'string',
    ]
)
```

Parameters

- **Filter** *(list)* –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **RouteTableId** *(list)* –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'RouteTableSet': [
        {
            'AssociationSet': [
                {
                    'Main': True|False,
                    'RouteTableAssociationId': 'string',
                    'RouteTableId': 'string',
                    'RouterId': 'string',
```

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```
                    'RouterName': 'string'
                },
            ],
            'ElasticLoadBalancerAssociationSet': [
                {
                    'ElasticLoadBalancerId': 'string',
                    'ElasticLoadBalancerName': 'string',
                    'Main': True|False,
                    'RouteTableAssociationId': 'string',
                    'RouteTableId': 'string'
                },
            ],
            'PropagatingVgwSet': [
                {
                    'GatewayId': 'string',
                    'NiftyGatewayName': 'string',
                    'RouteTableAssociationId': 'string'
                },
            ],
            'RouteSet': [
                {
                    'DestinationCidrBlock': 'string',
                    'IpAddress': 'string',
                    'NetworkId': 'string',
                    'NetworkName': 'string',
                    'Origin': 'string',
                    'Priority': 'string',
                    'State': 'string',
                    'VpcPeeringConnectionId': 'string'
                },
            ],
            'RouteTableId': 'string',
            'TagSet': [
                {
                    'Key': 'string',
                    'Value': 'string'
                },
            ]
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **RouteTableSet** *(list)* –
    - *(dict)* –
      - **AssociationSet** *(list)* –
      - *(dict)* –
      - **Main** *(boolean)* –
      - **RouteTableAssociationId** *(string)* –
      - **RouteTableId** *(string)* –
      - **RouterId** *(string)* –
      - **RouterName** *(string)* –
      - **ElasticLoadBalancerAssociationSet** *(list)* –
      - *(dict)* –

- **ElasticLoadBalancerId** *(string)* –
- **ElasticLoadBalancerName** *(string)* –
- **Main** *(boolean)* –
- **RouteTableAssociationId** *(string)* –
- **RouteTableId** *(string)* –
- **PropagatingVgwSet** *(list)* –
- *(dict)* –
- **GatewayId** *(string)* –
- **NiftyGatewayName** *(string)* –
- **RouteTableAssociationId** *(string)* –
- **RouteSet** *(list)* –
- *(dict)* –
- **DestinationCidrBlock** *(string)* –
- **IpAddress** *(string)* –
- **NetworkId** *(string)* –
- **NetworkName** *(string)* –
- **Origin** *(string)* –
- **Priority** *(string)* –
- **State** *(string)* –
- **VpcPeeringConnectionId** *(string)* –
- **RouteTableId** *(string)* –
- **TagSet** *(list)* –
- *(dict)* –
- **Key** *(string)* –
- **Value** *(string)* –

computing / Client / describe_security_activities

describe_security_activities

`computing.Client.`**`describe_security_activities`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_security_activities(
    ActivityDate='string',
    GroupName='string',
    Range={
        'All': True|False,
        'EndNumber': 123,
        'StartNumber': 123
    }
)
```

Parameters

- **ActivityDate** (*string*) –
- **GroupName** (*string*) – **[REQUIRED]**
- **Range** (*dict*) –
  - **All** *(boolean)* –
  - **EndNumber** *(integer)* –
  - **StartNumber** *(integer)* –

Return type dict

Returns

Response Syntax

```
{
    'GroupName': 'string',
    'Log': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **GroupName** *(string)* –
  - **Log** *(string)* –
  - **RequestId** *(string)* –

computing / Client / describe_security_groups

describe_security_groups

`computing.Client.`**`describe_security_groups`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_security_groups(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'description'|'group-name'
        },
    ],
    GroupName=[
        'string',
    ]
)
```

Parameters

- **Filter** *(list)* –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **GroupName** *(list)* –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'SecurityGroupInfo': [
        {
            'AvailabilityZone': 'string',
            'GroupDescription': 'string',
            'GroupLogFilterBroadcast': True|False,
            'GroupLogFilterNetBios': True|False,
```

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```
            'GroupLogLimit': 123,
            'GroupName': 'string',
            'GroupRuleLimit': 123,
            'GroupStatus': 'string',
            'InstanceUniqueIdsSet': [
                {
                    'InstanceUniqueId': 'string'
                },
            ],
            'InstancesSet': [
                {
                    'InstanceId': 'string'
                },
            ],
            'IpPermissions': [
                {
                    'AddDatetime': datetime(2015, 1, 1),
                    'Description': 'string',
                    'FromPort': 123,
                    'Groups': [
                        {
                            'GroupName': 'string',
                            'UserId': 'string'
                        },
                    ],
                    'InOut': 'string',
                    'IpProtocol': 'string',
                    'IpRanges': [
                        {
                            'CidrIp': 'string'
                        },
                    ],
                    'ToPort': 123
                },
            ],
            'OwnerId': 'string',
            'RouterSet': [
                {
                    'RouterId': 'string',
                    'RouterName': 'string'
                },
            ],
            'VpnGatewaySet': [
                {
                    'NiftyVpnGatewayName': 'string',
                    'VpnGatewayId': 'string'
                },
            ]
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **SecurityGroupInfo** *(list)* –
    - *(dict)* –

- **AvailabilityZone** *(string)* –
- **GroupDescription** *(string)* –
- **GroupLogFilterBroadcast** *(boolean)* –
- **GroupLogFilterNetBios** *(boolean)* –
- **GroupLogLimit** *(integer)* –
- **GroupName** *(string)* –
- **GroupRuleLimit** *(integer)* –
- **GroupStatus** *(string)* –
- **InstanceUniqueIdsSet** *(list)* –
- *(dict)* –
- **InstanceUniqueId** *(string)* –
- **InstancesSet** *(list)* –
- *(dict)* –
- **InstanceId** *(string)* –
- **IpPermissions** *(list)* –
- *(dict)* –
- **AddDatetime** *(datetime)* –
- **Description** *(string)* –
- **FromPort** *(integer)* –
- **Groups** *(list)* –
- *(dict)* –
- **GroupName** *(string)* –
- **UserId** *(string)* –
- **InOut** *(string)* –
- **IpProtocol** *(string)* –
- **IpRanges** *(list)* –
- *(dict)* –
- **CidrIp** *(string)* –
- **ToPort** *(integer)* –
- **OwnerId** *(string)* –
- **RouterSet** *(list)* –
- *(dict)* –
- **RouterId** *(string)* –
- **RouterName** *(string)* –
- **VpnGatewaySet** *(list)* –
- *(dict)* –
- **NiftyVpnGatewayName** *(string)* –
- **VpnGatewayId** *(string)* –

computing / Client / describe_service_status

describe_service_status

`computing.Client.`**`describe_service_status`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_service_status(
    FromDate='string',
    ToDate='string'
)
```

Parameters

- **FromDate** *(string)* –

- **ToDate** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'ServiceStatusSet': [
        {
            'ControlPanelStatus': 'string',
            'Date': 'string',
            'DiskStatus': 'string',
            'InstanceStatus': 'string',
            'NetworkStatus': 'string',
            'StorageStatus': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **ServiceStatusSet** *(list)* –
    - *(dict)* –
      - **ControlPanelStatus** *(string)* –
      - **Date** *(string)* –
      - **DiskStatus** *(string)* –
      - **InstanceStatus** *(string)* –
      - **NetworkStatus** *(string)* –
      - **StorageStatus** *(string)* –

computing / Client / describe_ssl_certificate_attribute

describe_ssl_certificate_attribute

computing.Client.**describe_ssl_certificate_attribute**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_ssl_certificate_attribute(
    Attribute='certAuthority'|'count'|'certState'|'period'|'validityTerm'|
↪'keyLength'|'uploadState'|'description'|'certInfo'|'caState',
    FqdnId='string'
)
```

Parameters

- **Attribute** (*string*) –
- **FqdnId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'CaState': {
```

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```
        'Value': True|False
    },
    'CertAuthority': {
        'Value': 'string'
    },
    'CertInfo': {
        'CountryName': 'string',
        'EmailAddress': 'string',
        'LocationName': 'string',
        'OrganizationName': 'string',
        'OrganizationUnitName': 'string',
        'StateName': 'string'
    },
    'CertState': {
        'Value': 'string'
    },
    'Count': {
        'Value': 123
    },
    'Description': {
        'Value': 'string'
    },
    'Fqdn': 'string',
    'FqdnId': 'string',
    'KeyLength': {
        'Value': 123
    },
    'Period': {
        'EndDate': datetime(2015, 1, 1),
        'StartDate': datetime(2015, 1, 1),
        'ValidityTerm': 123
    },
    'RequestId': 'string',
    'UploadState': {
        'Value': True|False
    }
}
```

Response Structure

- *(dict)* –
  - **CaState** *(dict)* –
    - **Value** *(boolean)* –
  - **CertAuthority** *(dict)* –
    - **Value** *(string)* –
  - **CertInfo** *(dict)* –
    - **CountryName** *(string)* –
    - **EmailAddress** *(string)* –
    - **LocationName** *(string)* –
    - **OrganizationName** *(string)* –
    - **OrganizationUnitName** *(string)* –
    - **StateName** *(string)* –
  - **CertState** *(dict)* –
    - **Value** *(string)* –
  - **Count** *(dict)* –
    - **Value** *(integer)* –
  - **Description** *(dict)* –

        * **Value** *(string)* –
    - **Fqdn** *(string)* –
    - **FqdnId** *(string)* –
    - **KeyLength** *(dict)* –
        * **Value** *(integer)* –
    - **Period** *(dict)* –
        * **EndDate** *(datetime)* –
        * **StartDate** *(datetime)* –
        * **ValidityTerm** *(integer)* –
    - **RequestId** *(string)* –
    - **UploadState** *(dict)* –
        * **Value** *(boolean)* –

computing / Client / describe_ssl_certificates

describe_ssl_certificates

`computing.Client.`**`describe_ssl_certificates`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_ssl_certificates(
    Fqdn=[
        'string',
    ],
    FqdnId=[
        'string',
    ]
)
```

Parameters

- **Fqdn** (*list*) –
    - *(string)* –
- **FqdnId** (*list*) –
    - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'CertsSet': [
        {
            'CaState': True|False,
            'CertAuthority': 'string',
            'CertInfo': {
                'CountryName': 'string',
                'EmailAddress': 'string',
                'LocationName': 'string',
                'OrganizationName': 'string',
                'OrganizationUnitName': 'string',
                'StateName': 'string'
            },
            'CertState': 'string',
            'Count': 123,
```

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```
            'Description': 'string',
            'Fqdn': 'string',
            'FqdnId': 'string',
            'KeyLength': 123,
            'Period': {
                'EndDate': datetime(2015, 1, 1),
                'StartDate': datetime(2015, 1, 1),
                'ValidityTerm': 123
            },
            'UploadState': True|False
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **CertsSet** *(list)* –
    - *(dict)* –
      - **CaState** *(boolean)* –
      - **CertAuthority** *(string)* –
      - **CertInfo** *(dict)* –
      - **CountryName** *(string)* –
      - **EmailAddress** *(string)* –
      - **LocationName** *(string)* –
      - **OrganizationName** *(string)* –
      - **OrganizationUnitName** *(string)* –
      - **StateName** *(string)* –
      - **CertState** *(string)* –
      - **Count** *(integer)* –
      - **Description** *(string)* –
      - **Fqdn** *(string)* –
      - **FqdnId** *(string)* –
      - **KeyLength** *(integer)* –
      - **Period** *(dict)* –
      - **EndDate** *(datetime)* –
      - **StartDate** *(datetime)* –
      - **ValidityTerm** *(integer)* –
      - **UploadState** *(boolean)* –
  - **RequestId** *(string)* –

computing / Client / describe_uploads

describe_uploads

`computing.Client.`**`describe_uploads`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_uploads(
    ConversionTaskId=[
        'string',
```

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```
    ]
)
```

Parameters **ConversionTaskId** (*list*) –
- *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'Uploads': [
        {
            'ConversionTaskId': 123,
            'ExpirationTime': 'string',
            'ImportInstance': {
                'AvailabilityZone': 'string',
                'Image': {
                    'Format': 'string',
                    'Size': 123
                },
                'InstanceId': 'string',
                'InstanceUniqueId': 'string'
            }
        },
    ]
}
```

Response Structure
- *(dict)* –
  - **Uploads** *(list)* –
    - *(dict)* –
      - **ConversionTaskId** *(integer)* –
      - **ExpirationTime** *(string)* –
      - **ImportInstance** *(dict)* –
      - **AvailabilityZone** *(string)* –
      - **Image** *(dict)* –
      - **Format** *(string)* –
      - **Size** *(integer)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –

computing / Client / describe_usage

describe_usage

computing.Client.**describe_usage**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_usage(
    IsCharge=True|False,
    Region='string',
```

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```
    YearMonth='string'
)
```

Parameters

- **IsCharge** (*boolean*) –
- **Region** (*string*) –
- **YearMonth** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'AutoScaleInfo': {
        'AutoScaleCount': {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
        'RunningScaleOutInstanceSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ],
        'RunningScaleOutOsSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ],
        'StoppedScaleOutInstanceSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ],
        'StoppedScaleOutOsSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ]
    },
    'ChargeDetailInfo': {
        'ChargeDetail': {
            'Charge': 123,
```

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```
            'Value': 123
        }
    },
    'CopyInfo': {
        'InstanceCopy': {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        }
    },
    'ElasticIpInfo': {
        'ElasticIpSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ]
    },
    'ElasticLoadBalancerInfo': {
        'Vip': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ],
        'VipMeasuredRate': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ]
    },
    'ExtraChargeInfo': {
        'ExtraChargeMonthlyRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ]
    },
    'ImageInfo': {
        'CreateImage': {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
        'KeepImageSet': [
```

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```
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ]
    },
    'InstanceBackupInfo': {
        'InstanceBackupBaseSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ],
        'InstanceBackupImportInstanceDiskSet': {
            'Charge': 123,
            'Unit': 'string',
            'Value': 123
        },
        'InstanceBackupVolumeSet': {
            'Charge': 123,
            'Unit': 'string',
            'Value': 123
        }
    },
    'InstanceInfo': {
        'DynamicIpMeasuredRate': {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
        'DynamicIpMonthlyRate': {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
        'InstanceMonthlyRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ],
        'MultiIpMonthlyRate': {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
        'OsMeasuredRate': [
            {
```

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```
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ],
        'OsMonthlyRate': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ],
        'RunningInstanceMeasuredRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ],
        'StoppedInstanceMeasuredRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ]
    },
    'InternetVpnInfo': {
        'InternetVpnInitial': {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
        'InternetVpnMonthlyRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Value': 123
            },
        ]
    },
    'LicenseInfo': {
        'LicenseMonthlyRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ]
    },
    'LiveMigrationInfo': {
```

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```
        'LiveMigrationHubMonthlyRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ],
        'LiveMigrationOperationMonthlyRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ]
    },
    'LoadBalancerInfo': {
        'OptionSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ],
        'VipMeasuredRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ],
        'VipSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ]
    },
    'MultiAccountInfo': {
        'MultiAccount': {
            'Charge': 123,
            'Unit': 'string',
            'Value': 123
        }
    },
    'MultiIpAddressInfo': {
        'MultiIpAddressMonthlyRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
```

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```
            },
        ]
    },
    'NetworkInfo': {
        'NetworkFlowSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ]
    },
    'NetworkInterfaceInfo': {
        'NetworkInterfaceMonthlyRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ]
    },
    'OptionCommonInfo': [
        {
            'OptionName': 'string',
            'OptionSet': [
                {
                    'Charge': 123,
                    'Type': 'string',
                    'Unit': 'string',
                    'Value': 123
                },
            ]
        },
    ],
    'OptionInfo': [
        {
            'OptionName': 'string',
            'OptionSet': [
                {
                    'Charge': 123,
                    'Type': 'string',
                    'Unit': 'string',
                    'Value': 123
                },
            ]
        },
    ],
    'OsOptionChargeInfo': {
        'OsOptionChargeMonthlyRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
```

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```
        ]
    },
    'PatternAuthInfo': {
        'PatternAuthSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ]
    },
    'PremiumSupportInfo': {
        'PremiumSupportSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ]
    },
    'PrivateLanInfo': {
        'PrivateLan': {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        }
    },
    'PrivateNetworkInfo': {
        'PrivateNetworkMeasuredRate': {
            'Charge': 123,
            'Unit': 'string',
            'Value': 123
        },
        'PrivateNetworkMonthlyRate': {
            'Charge': 123,
            'Value': 123
        }
    },
    'RemoteAccessVpnGatewayInfo': {
        'RemoteAccessVpnGatewayMeasuredRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ],
        'RemoteAccessVpnGatewayMonthlyRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
```

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```
        ]
    },
    'RequestId': 'string',
    'RouterInfo': {
        'RouterMeasuredRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ],
        'RouterMonthlyRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ]
    },
    'SecurityGroupInfo': {
        'OptionSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ],
        'SecurityGroupApplyTime': {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        }
    },
    'SnapshotInfo': {
        'SnapShot': {
            'Charge': 123,
            'Unit': 'string',
            'Value': 123
        }
    },
    'SslCertInfo': {
        'CreateSslCertSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ]
    },
    'VolumeInfo': {
        'ImportInstanceDiskMeasuredRate': {
            'Charge': 123,
```

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```
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
        'ImportInstanceDiskMonthlyRate': {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
        'VolumeMeasuredRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ],
        'VolumeSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ]
    },
    'VpnGatewayInfo': {
        'VpnGatewayMeasuredRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ],
        'VpnGatewayMonthlyRateSet': [
            {
                'Charge': 123,
                'Type': 'string',
                'Unit': 'string',
                'Value': 123
            },
        ]
    },
    'YearMonth': 'string'
}
```

Response Structure

- *(dict)* –
  - **AutoScaleInfo** *(dict)* –
    - **AutoScaleCount** *(dict)* –
      - **Charge** *(integer)* –
      - **Type** *(string)* –
      - **Unit** *(string)* –
      - **Value** *(integer)* –
    - **RunningScaleOutInstanceSet** *(list)* –

        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **RunningScaleOutOsSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **StoppedScaleOutInstanceSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **StoppedScaleOutOsSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **ChargeDetailInfo** *(dict)* –
    - **ChargeDetail** *(dict)* –
        - **Charge** *(integer)* –
        - **Value** *(integer)* –
- **CopyInfo** *(dict)* –
    - **InstanceCopy** *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **ElasticIpInfo** *(dict)* –
    - **ElasticIpSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **ElasticLoadBalancerInfo** *(dict)* –
    - **Vip** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **VipMeasuredRate** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **ExtraChargeInfo** *(dict)* –

    - **ExtraChargeMonthlyRateSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **ImageInfo** *(dict)* –
    - **CreateImage** *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **KeepImageSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **InstanceBackupInfo** *(dict)* –
    - **InstanceBackupBaseSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **InstanceBackupImportInstanceDiskSet** *(dict)* –
        - **Charge** *(integer)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **InstanceBackupVolumeSet** *(dict)* –
        - **Charge** *(integer)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **InstanceInfo** *(dict)* –
    - **DynamicIpMeasuredRate** *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **DynamicIpMonthlyRate** *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **InstanceMonthlyRateSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **MultiIpMonthlyRate** *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –

        - **Value** *(integer)* –
    - **OsMeasuredRate** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **OsMonthlyRate** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **RunningInstanceMeasuredRateSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **StoppedInstanceMeasuredRateSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **InternetVpnInfo** *(dict)* –
    - **InternetVpnInitial** *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **InternetVpnMonthlyRateSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Value** *(integer)* –
- **LicenseInfo** *(dict)* –
    - **LicenseMonthlyRateSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **LiveMigrationInfo** *(dict)* –
    - **LiveMigrationHubMonthlyRateSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **LiveMigrationOperationMonthlyRateSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –

        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **LoadBalancerInfo** *(dict)* –
    - **OptionSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **VipMeasuredRateSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **VipSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **MultiAccountInfo** *(dict)* –
    - **MultiAccount** *(dict)* –
        - **Charge** *(integer)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **MultiIpAddressInfo** *(dict)* –
    - **MultiIpAddressMonthlyRateSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **NetworkInfo** *(dict)* –
    - **NetworkFlowSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **NetworkInterfaceInfo** *(dict)* –
    - **NetworkInterfaceMonthlyRateSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **OptionCommonInfo** *(list)* –
    - *(dict)* –
        - **OptionName** *(string)* –
        - **OptionSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –

        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **OptionInfo** *(list)* –
    - *(dict)* –
        - **OptionName** *(string)* –
        - **OptionSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **OsOptionChargeInfo** *(dict)* –
    - **OsOptionChargeMonthlyRateSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **PatternAuthInfo** *(dict)* –
    - **PatternAuthSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **PremiumSupportInfo** *(dict)* –
    - **PremiumSupportSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **PrivateLanInfo** *(dict)* –
    - **PrivateLan** *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **PrivateNetworkInfo** *(dict)* –
    - **PrivateNetworkMeasuredRate** *(dict)* –
        - **Charge** *(integer)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **PrivateNetworkMonthlyRate** *(dict)* –
        - **Charge** *(integer)* –
        - **Value** *(integer)* –
- **RemoteAccessVpnGatewayInfo** *(dict)* –
    - **RemoteAccessVpnGatewayMeasuredRateSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **RemoteAccessVpnGatewayMonthlyRateSet** *(list)* –

        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **RequestId** *(string)* –
- **RouterInfo** *(dict)* –
    - **RouterMeasuredRateSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **RouterMonthlyRateSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **SecurityGroupInfo** *(dict)* –
    - **OptionSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **SecurityGroupApplyTime** *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **SnapshotInfo** *(dict)* –
    - **SnapShot** *(dict)* –
        - **Charge** *(integer)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **SslCertInfo** *(dict)* –
    - **CreateSslCertSet** *(list)* –
        - *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
- **VolumeInfo** *(dict)* –
    - **ImportInstanceDiskMeasuredRate** *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –
    - **ImportInstanceDiskMonthlyRate** *(dict)* –
        - **Charge** *(integer)* –
        - **Type** *(string)* –
        - **Unit** *(string)* –
        - **Value** *(integer)* –

- **VolumeMeasuredRateSet** *(list)* –
  - *(dict)* –
  - **Charge** *(integer)* –
  - **Type** *(string)* –
  - **Unit** *(string)* –
  - **Value** *(integer)* –
- **VolumeSet** *(list)* –
  - *(dict)* –
  - **Charge** *(integer)* –
  - **Type** *(string)* –
  - **Unit** *(string)* –
  - **Value** *(integer)* –

– **VpnGatewayInfo** *(dict)* –

- **VpnGatewayMeasuredRateSet** *(list)* –
  - *(dict)* –
  - **Charge** *(integer)* –
  - **Type** *(string)* –
  - **Unit** *(string)* –
  - **Value** *(integer)* –
- **VpnGatewayMonthlyRateSet** *(list)* –
  - *(dict)* –
  - **Charge** *(integer)* –
  - **Type** *(string)* –
  - **Unit** *(string)* –
  - **Value** *(integer)* –

– **YearMonth** *(string)* –

computing / Client / describe_user_activities

describe_user_activities

`computing.Client.`**`describe_user_activities`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_user_activities(
    Range={
        'EndNumber': 123,
        'StartNumber': 123
    },
    YearMonth='string'
)
```

Parameters

- **Range** (*dict*) –
  - **EndNumber** *(integer)* –
  - **StartNumber** *(integer)* –
- **YearMonth** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'UserActivitiesSet': [
        {
            'CategoryName': 'string',
            'DateTime': datetime(2015, 1, 1),
            'IpAddress': 'string',
            'Operation': 'string',
            'Operator': 'string',
            'Result': True|False,
            'ServiceId': 'string',
            'Uuid': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **UserActivitiesSet** *(list)* –
    - *(dict)* –
      - **CategoryName** *(string)* –
      - **DateTime** *(datetime)* –
      - **IpAddress** *(string)* –
      - **Operation** *(string)* –
      - **Operator** *(string)* –
      - **Result** *(boolean)* –
      - **ServiceId** *(string)* –
      - **Uuid** *(string)* –

computing / Client / describe_volumes

describe_volumes

`computing.Client.`**`describe_volumes`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_volumes(
    VolumeId=[
        'string',
    ]
)
```

Parameters **`VolumeId`**`(list)` –

- *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'VolumeSet': [
        {
```

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```
            'AccountingType': 'string',
            'AttachmentSet': [
                {
                    'AttachTime': 'string',
                    'DeleteOnTermination': 'string',
                    'Device': 'string',
                    'InstanceId': 'string',
                    'InstanceUniqueId': 'string',
                    'Status': 'string',
                    'VolumeId': 'string',
                    'VolumeUniqueId': 'string'
                },
            ],
            'AvailabilityZone': 'string',
            'CreateTime': datetime(2015, 1, 1),
            'Description': 'string',
            'DiskType': 'string',
            'NextMonthAccountingType': 'string',
            'Size': 'string',
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeUniqueId': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **VolumeSet** *(list)* –
    - *(dict)* –
      - **AccountingType** *(string)* –
      - **AttachmentSet** *(list)* –
      - *(dict)* –
      - **AttachTime** *(string)* –
      - **DeleteOnTermination** *(string)* –
      - **Device** *(string)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
      - **Status** *(string)* –
      - **VolumeId** *(string)* –
      - **VolumeUniqueId** *(string)* –
      - **AvailabilityZone** *(string)* –
      - **CreateTime** *(datetime)* –
      - **Description** *(string)* –
      - **DiskType** *(string)* –
      - **NextMonthAccountingType** *(string)* –
      - **Size** *(string)* –
      - **SnapshotId** *(string)* –
      - **Status** *(string)* –
      - **VolumeId** *(string)* –
      - **VolumeUniqueId** *(string)* –

computing / Client / describe_vpn_connections

describe_vpn_connections

computing.Client.**describe_vpn_connections**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_vpn_connections(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'customer-gateway-configuration'|'customer-gateway-id'|'nifty-
↪customer-gateway-name'|'state'|'option.static-routes-only'|'route.destination-
↪cidr-block'|'type'|'vpn-connection-id'|'vpn-gateway-id'|'nifty-vpn-gateway-name
↪'|'nifty-vpn-connection-description'|'nifty-internet-key-exchange'
        },
    ],
    VpnConnectionId=[
        'string',
    ]
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **VpnConnectionId** (*list*) –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'VpnConnectionSet': [
        {
            'CreatedTime': datetime(2015, 1, 1),
            'CustomerGatewayConfiguration': 'string',
            'CustomerGatewayId': 'string',
            'NiftyCustomerGatewayName': 'string',
            'NiftyIpsecConfiguration': {
                'DiffieHellmanGroup': 123,
                'EncapsulatingSecurityPayloadLifetime': 123,
                'EncryptionAlgorithm': 'string',
                'HashingAlgorithm': 'string',
                'InternetKeyExchange': 'string',
                'InternetKeyExchangeLifetime': 123,
                'Mtu': 'string',
                'PreSharedKey': 'string'
            },
            'NiftyTunnel': {
                'DestinationPort': 'string',
                'Encapsulation': 'string',
```

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```
                'Mode': 'string',
                'PeerSessionId': 'string',
                'PeerTunnelId': 'string',
                'SessionId': 'string',
                'SourcePort': 'string',
                'TunnelId': 'string',
                'Type': 'string'
            },
            'NiftyVpnConnectionDescription': 'string',
            'NiftyVpnGatewayName': 'string',
            'State': 'string',
            'TagSet': [
                {
                    'Key': 'string',
                    'Value': 'string'
                },
            ],
            'Type': 'string',
            'VgwTelemetry': [
                {
                    'AcceptedRouteCount': 123,
                    'LastStatusChange': datetime(2015, 1, 1),
                    'OutsideIpAddress': 'string',
                    'Status': 'string',
                    'StatusMessage': 'string'
                },
            ],
            'VpnConnectionId': 'string',
            'VpnGatewayId': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **VpnConnectionSet** *(list)* –
    - *(dict)* –
      - **CreatedTime** *(datetime)* –
      - **CustomerGatewayConfiguration** *(string)* –
      - **CustomerGatewayId** *(string)* –
      - **NiftyCustomerGatewayName** *(string)* –
      - **NiftyIpsecConfiguration** *(dict)* –
      - **DiffieHellmanGroup** *(integer)* –
      - **EncapsulatingSecurityPayloadLifetime** *(integer)* –
      - **EncryptionAlgorithm** *(string)* –
      - **HashingAlgorithm** *(string)* –
      - **InternetKeyExchange** *(string)* –
      - **InternetKeyExchangeLifetime** *(integer)* –
      - **Mtu** *(string)* –
      - **PreSharedKey** *(string)* –
      - **NiftyTunnel** *(dict)* –
      - **DestinationPort** *(string)* –
      - **Encapsulation** *(string)* –
      - **Mode** *(string)* –

- **PeerSessionId** *(string)* –
- **PeerTunnelId** *(string)* –
- **SessionId** *(string)* –
- **SourcePort** *(string)* –
- **TunnelId** *(string)* –
- **Type** *(string)* –
- **NiftyVpnConnectionDescription** *(string)* –
- **NiftyVpnGatewayName** *(string)* –
- **State** *(string)* –
- **TagSet** *(list)* –
- *(dict)* –
- **Key** *(string)* –
- **Value** *(string)* –
- **Type** *(string)* –
- **VgwTelemetry** *(list)* –
- *(dict)* –
- **AcceptedRouteCount** *(integer)* –
- **LastStatusChange** *(datetime)* –
- **OutsideIpAddress** *(string)* –
- **Status** *(string)* –
- **StatusMessage** *(string)* –
- **VpnConnectionId** *(string)* –
- **VpnGatewayId** *(string)* –

computing / Client / describe_vpn_gateways

describe_vpn_gateways

`computing.Client.`**`describe_vpn_gateways`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_vpn_gateways(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'attachment.state'|'attachment.vpc-id'|'availability-zone'|
↪'state'|'type'|'vpn-gateway-id'|'nifty-vpn-gateway-name'|'nifty-vpn-gateway-type
↪'|'nifty-vpn-gateway-description'|'nifty-vpn-gateway-accountingType'|'ip-address
↪'|'latest-version-information'|'version'
        },
    ],
    NiftyVpnGatewayName=[
        'string',
    ],
    VpnGatewayId=[
        'string',
    ]
)
```

Parameters

- **`Filter`**`(list)` –
  - *(dict)* –

        * **ListOfRequestValue** *(list)* –
            · *(string)* –
        * **Name** *(string)* –
    - **NiftyVpnGatewayName** (*list*) –
        - *(string)* –
    - **VpnGatewayId** (*list*) –
        - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'VpnGatewaySet': [
        {
            'AccountingType': 'string',
            'Attachments': 'string',
            'AvailabilityZone': 'string',
            'BackupInformation': {
                'ExpirationDate': datetime(2015, 1, 1),
                'IsBackup': True|False
            },
            'CreatedTime': datetime(2015, 1, 1),
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'NetworkInterfaceSet': [
                {
                    'CidrBlock': 'string',
                    'Descriprion': 'string',
                    'DeviceIndex': 'string',
                    'IpAddress': 'string',
                    'NetworkId': 'string',
                    'NetworkName': 'string'
                },
            ],
            'NextMonthAccountingType': 'string',
            'NiftyRedundancy': True|False,
            'NiftyVpnGatewayDescription': 'string',
            'NiftyVpnGatewayName': 'string',
            'NiftyVpnGatewayType': 'string',
            'RouteTableAssociationId': 'string',
            'RouteTableId': 'string',
            'State': 'string',
            'TagSet': [
                {
                    'Key': 'string',
                    'Value': 'string'
                },
            ],
            'VersionInformation': {
                'IsLatest': True|False,
                'Version': 'string'
            },
            'VpnGatewayId': 'string'
```

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```
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **VpnGatewaySet** *(list)* –
    - *(dict)* –
      - **AccountingType** *(string)* –
      - **Attachments** *(string)* –
      - **AvailabilityZone** *(string)* –
      - **BackupInformation** *(dict)* –
      - **ExpirationDate** *(datetime)* –
      - **IsBackup** *(boolean)* –
      - **CreatedTime** *(datetime)* –
      - **GroupSet** *(list)* –
      - *(dict)* –
      - **GroupId** *(string)* –
      - **NetworkInterfaceSet** *(list)* –
      - *(dict)* –
      - **CidrBlock** *(string)* –
      - **Descriprion** *(string)* –
      - **DeviceIndex** *(string)* –
      - **IpAddress** *(string)* –
      - **NetworkId** *(string)* –
      - **NetworkName** *(string)* –
      - **NextMonthAccountingType** *(string)* –
      - **NiftyRedundancy** *(boolean)* –
      - **NiftyVpnGatewayDescription** *(string)* –
      - **NiftyVpnGatewayName** *(string)* –
      - **NiftyVpnGatewayType** *(string)* –
      - **RouteTableAssociationId** *(string)* –
      - **RouteTableId** *(string)* –
      - **State** *(string)* –
      - **TagSet** *(list)* –
      - *(dict)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
      - **VersionInformation** *(dict)* –
      - **IsLatest** *(boolean)* –
      - **Version** *(string)* –
      - **VpnGatewayId** *(string)* –

computing / Client / detach_iso_image

detach_iso_image

`computing.Client.`**`detach_iso_image`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.detach_iso_image(
    InstanceUniqueId='string',
    IsoImageId='string'
)
```

Parameters

- **InstanceUniqueId** (*string*) – **[REQUIRED]**
- **IsoImageId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / detach_network_interface

detach_network_interface

computing.Client.**detach_network_interface**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.detach_network_interface(
    AttachmentId='string',
    NiftyReboot='force'|'true'|'false'
)
```

Parameters

- **AttachmentId** (*string*) – **[REQUIRED]**
- **NiftyReboot** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / detach_volume

detach_volume

computing.Client.**detach_volume**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.detach_volume(
    Agreement=True|False,
    Device='string',
    Force=True|False,
    InstanceId='string',
    VolumeId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **Device** (*string*) –
- **Force** (*boolean*) –
- **InstanceId** (*string*) –
- **VolumeId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'AttachTime': 'string',
    'Device': 'string',
    'InstanceId': 'string',
    'InstanceUniqueId': 'string',
    'RequestId': 'string',
    'Status': 'string',
    'VolumeId': 'string',
    'VolumeUniqueId': 'string'
}
```

Response Structure

- *(dict)* –
  - **AttachTime** *(string)* –
  - **Device** *(string)* –
  - **InstanceId** *(string)* –
  - **InstanceUniqueId** *(string)* –
  - **RequestId** *(string)* –
  - **Status** *(string)* –
  - **VolumeId** *(string)* –
  - **VolumeUniqueId** *(string)* –

computing / Client / disassociate_address

disassociate_address

computing.Client.**disassociate_address**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.disassociate_address(
    AssociationId='string',
    NiftyReboot='force'|'true'|'false',
    PrivateIpAddress='string',
    PublicIp='string'
)
```

Parameters

- **AssociationId** (*string*) –
- **NiftyReboot** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PublicIp** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / disassociate_multi_ip_address_group

disassociate_multi_ip_address_group

computing.Client.**disassociate_multi_ip_address_group**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.disassociate_multi_ip_address_group(
    InstanceUniqueId='string',
    MultiIpAddressGroupId='string',
    NiftyReboot='force'|'true'|'false'
)
```

Parameters

- **InstanceUniqueId** (*string*) – **[REQUIRED]**
- **MultiIpAddressGroupId** (*string*) – **[REQUIRED]**
- **NiftyReboot** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / disassociate_route_table

disassociate_route_table

`computing.Client.`**`disassociate_route_table`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.disassociate_route_table(
    Agreement=True|False,
    AssociationId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **AssociationId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / dissociate_users

dissociate_users

`computing.Client.`**`dissociate_users`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.dissociate_users(
    FunctionName='LB',
    Users=[
        {
            'UserId': 'string'
        },
    ]
)
```

Parameters

- **FunctionName** (*string*) – **[REQUIRED]**
- **Users** (*list*) – **[REQUIRED]**

- *(dict)* –
  - **UserId** *(string)* – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'DissociateUsersResult': {
        'Users': [
            {
                'UserId': 'string'
            },
        ]
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DissociateUsersResult** *(dict)* –
    - **Users** *(list)* –
      - *(dict)* –
      - **UserId** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / download_ssl_certificate

download_ssl_certificate

`computing.Client.`**`download_ssl_certificate`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.download_ssl_certificate(
    FileType='1'|'2'|'3',
    FqdnId='string'
)
```

Parameters

- **`FileType`** (*`string`*) – **[REQUIRED]**
- **`FqdnId`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'FileData': 'string',
    'Fqdn': 'string',
    'FqdnId': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **FileData** *(string)* –
  - **Fqdn** *(string)* –
  - **FqdnId** *(string)* –
  - **RequestId** *(string)* –

computing / Client / extend_volume_size

extend_volume_size

`computing.Client.`**`extend_volume_size`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.extend_volume_size(
    NiftyReboot='force'|'true'|'false',
    VolumeId='string'
)
```

Parameters

- **NiftyReboot** (*string*) –
- **VolumeId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': 'string'
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(string)* –

computing / Client / get_paginator

get_paginator

`computing.Client.`**`get_paginator`**`(`*operation_name*`)`

Create a paginator for an operation.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Raises **OperationNotPageableError** – Raised if the operation is not pageable. You can use the `client.can_paginate` method to check if an operation is pageable.

Return type L{botocore.paginate.Paginator}

Returns A paginator object.

computing / Client / get_waiter

get_waiter

computing.Client.**get_waiter**(*waiter_name*)

Returns an object that can wait for some condition.

Parameters **waiter_name** (*str*) – The name of the waiter to get. See the waiters section of the service docs for a list of available waiters.

Returns The specified waiter object.

Return type botocore.waiter.Waiter

computing / Client / import_instance

import_instance

computing.Client.**import_instance**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.import_instance(
    AccountingType='1'|'2',
    Architecture='string',
    Description='string',
    DiskImage=[
        {
            'Description': 'string',
            'RequestImage': {
                'Bytes': 123,
                'Format': 'string',
                'ImportManifestUrl': 'string'
            },
            'RequestVolume': {
                'Size': 123
            }
        },
    ],
    InstanceId='string',
    InstanceInitiatedShutdownBehavior='string',
    InstanceType='e-mini'|'h2-mini'|'mini'|'c-small'|'e-small'|'h2-small'|'small'|
↪'c-small2'|'e-small2'|'h2-small2'|'small2'|'c-small4'|'e-small4'|'h2-small4'|
↪'small4'|'e-small8'|'h2-small8'|'small8'|'e-small16'|'h2-small16'|'small16'|'c-
↪medium'|'e-medium'|'h2-medium'|'medium'|'c-medium4'|'e-medium4'|'h2-medium4'|
↪'medium4'|'c-medium8'|'e-medium8'|'h2-medium8'|'medium8'|'e-medium16'|'h2-
↪medium16'|'medium16'|'e-medium24'|'h2-medium24'|'medium24'|'c-large'|'e-large'|
↪'h2-large'|'large'|'c-large8'|'e-large8'|'h2-large8'|'large8'|'e-large16'|'h2-
↪large16'|'large16'|'e-large24'|'h2-large24'|'large24'|'e-large32'|'h2-large32'|
↪'large32'|'e-extra-large8'|'h2-extra-large8'|'extra-large8'|'e-extra-large16'|
↪'h2-extra-large16'|'extra-large16'|'e-extra-large24'|'h2-extra-large24'|'extra-
↪large24'|'e-extra-large32'|'h2-extra-large32'|'extra-large32'|'e-extra-large48'|
↪'h2-extra-large48'|'extra-large48'|'e-double-large16'|'h2-double-large16'|
↪'double-large16'|'e-double-large24'|'h2-double-large24'|'double-large24'|'e-
↪double-large32'|'h2-double-large32'|'double-large32'|'e-double-large48'|'h2-
↪double-large48'|'double-large48'|'e-double-large64'|'h2-double-large64'|'double-
↪large64'|'e-double-large96'|'h2-double-large96'|'double-large96'|'h2-triple-
↪large32'|'triple-large32'|'h2-triple-large48'|'triple-large48'|'h2-triple-
↪large64'|'triple-large64'|'h2-triple-large96'|'triple-large96'|'h2-triple-
↪large128'|'triple-large128'|'h2-quad-large64'|'quad-large64'|'h2-quad-large96'|
↪'quad-large96'|'h2-quad-large128'|'quad-large128'|'h2-septa-large128'|'septa-
↪large128',
```

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```
    IpType='static'|'elastic'|'none',
    Monitoring={
        'Enabled': 'string'
    },
    NetworkInterface=[
        {
            'DeviceIndex': 123,
            'IpAddress': 'string',
            'ListOfRequestSecurityGroupId': [
                'string',
            ],
            'NetworkId': 'string',
            'NetworkName': 'string'
        },
    ],
    Ovf='string',
    Placement={
        'AvailabilityZone': 'string'
    },
    Platform='string',
    PrivateIpAddress='string',
    PublicIp='string',
    SecurityGroup=[
        'string',
    ],
    SubnetId='string',
    UserData={
        'Content': 'string'
    }
)
```

Parameters

- **AccountingType** (*string*) –
- **Architecture** (*string*) –
- **Description** (*string*) –
- **DiskImage** (*list*) –
  - *(dict)* –
    - **Description** *(string)* –
    - **RequestImage** *(dict)* –
      - **Bytes** *(integer)* –
      - **Format** *(string)* –
      - **ImportManifestUrl** *(string)* –
    - **RequestVolume** *(dict)* –
      - **Size** *(integer)* –
- **InstanceId** (*string*) –
- **InstanceInitiatedShutdownBehavior** (*string*) –
- **InstanceType** (*string*) –
- **IpType** (*string*) –
- **Monitoring** (*dict*) –
  - **Enabled** *(string)* –
- **NetworkInterface** (*list*) –
  - *(dict)* –
    - **DeviceIndex** *(integer)* –
    - **IpAddress** *(string)* –
    - **ListOfRequestSecurityGroupId** *(list)* –

            - *(string)* –
        - **NetworkId** *(string)* –
        - **NetworkName** *(string)* –
    - **Ovf** (*string*) – **[REQUIRED]**
    - **Placement** (*dict*) –
        - **AvailabilityZone** *(string)* –
    - **Platform** (*string*) –
    - **PrivateIpAddress** (*string*) –
    - **PublicIp** (*string*) –
    - **SecurityGroup** (*list*) –
        - *(string)* –
    - **SubnetId** (*string*) –
    - **UserData** (*dict*) –
        - **Content** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'ConversionTask': {
        'ConversionTaskId': 'string',
        'ExpirationTime': 'string',
        'ImportInstance': {
            'Description': 'string',
            'InstanceId': 'string',
            'InstanceUniqueId': 'string',
            'Volumes': [
                {
                    'AvailabilityZone': 'string',
                    'BytesConverted': 123,
                    'Image': {
                        'Format': 'string',
                        'Size': 123
                    },
                    'Status': 'string'
                },
            ]
        },
        'NetworkInterfaceSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string'
                },
                'Attachment': {
                    'AttachTime': 'string',
                    'AttachmentID': 'string',
                    'DeleteOnTermination': 'string',
                    'DeviceIndex': 'string',
                    'Status': 'string'
                },
                'Description': 'string',
                'GroupSet': 'string',
                'NetworkInterfaceId': 'string',
                'NiftyNetworkId': 'string',
                'NiftyNetworkName': 'string',
```

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```
                'OwnerId': 'string',
                'PrivateDnsName': 'string',
                'PrivateIpAddressesSet': 'string',
                'SourceDestCheck': 'string',
                'Status': 'string',
                'SubnetId': 'string',
                'VpcId': 'string'
            },
        ],
        'State': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **ConversionTask** *(dict)* –
    - **ConversionTaskId** *(string)* –
    - **ExpirationTime** *(string)* –
    - **ImportInstance** *(dict)* –
      - **Description** *(string)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
      - **Volumes** *(list)* –
      - *(dict)* –
      - **AvailabilityZone** *(string)* –
      - **BytesConverted** *(integer)* –
      - **Image** *(dict)* –
      - **Format** *(string)* –
      - **Size** *(integer)* –
      - **Status** *(string)* –
    - **NetworkInterfaceSet** *(list)* –
      - *(dict)* –
      - **Association** *(dict)* –
      - **IpOwnerId** *(string)* –
      - **PublicDnsName** *(string)* –
      - **Attachment** *(dict)* –
      - **AttachTime** *(string)* –
      - **AttachmentID** *(string)* –
      - **DeleteOnTermination** *(string)* –
      - **DeviceIndex** *(string)* –
      - **Status** *(string)* –
      - **Description** *(string)* –
      - **GroupSet** *(string)* –
      - **NetworkInterfaceId** *(string)* –
      - **NiftyNetworkId** *(string)* –
      - **NiftyNetworkName** *(string)* –
      - **OwnerId** *(string)* –
      - **PrivateDnsName** *(string)* –
      - **PrivateIpAddressesSet** *(string)* –
      - **SourceDestCheck** *(string)* –
      - **Status** *(string)* –
      - **SubnetId** *(string)* –
      - **VpcId** *(string)* –
    - **State** *(string)* –

computing / Client / import_key_pair

import_key_pair

`computing.Client.`**`import_key_pair`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.import_key_pair(
    Description='string',
    KeyName='string',
    PublicKeyMaterial='string'
)
```

Parameters

- **`Description`** (*string*) –
- **`KeyName`** (*string*) – **[REQUIRED]**
- **`PublicKeyMaterial`** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'KeyFingerprint': 'string',
    'KeyName': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **KeyFingerprint** *(string)* –
  - **KeyName** *(string)* –
  - **RequestId** *(string)* –

computing / Client / increase_multi_ip_address_count

increase_multi_ip_address_count

`computing.Client.`**`increase_multi_ip_address_count`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.increase_multi_ip_address_count(
    IpAddressCount=123,
    MultiIpAddressGroupId='string'
)
```

Parameters

- **`IpAddressCount`** (*integer*) – **[REQUIRED]**
- **`MultiIpAddressGroupId`** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / modify_image_attribute

modify_image_attribute

`computing.Client.`**`modify_image_attribute`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.modify_image_attribute(
    Attribute='description'|'imageName'|'niftyContactUrl'|'detailDescription',
    ImageId='string',
    LaunchPermission={
        'ListOfRequestAdd': [
            {
                'Group': 'string',
                'UserId': 'string'
            },
        ],
        'ListOfRequestRemove': [
            {
                'Group': 'string',
                'UserId': 'string'
            },
        ]
    },
    ProductCode=[
        'string',
    ],
    Value='string'
)
```

Parameters

- **`Attribute`** (*`string`*) –
- **`ImageId`** (*`string`*) – **[REQUIRED]**
- **`LaunchPermission`** (*`dict`*) –
  - **ListOfRequestAdd** *(list)* –
    - *(dict)* –
      - **Group** *(string)* –
      - **UserId** *(string)* –
  - **ListOfRequestRemove** *(list)* –
    - *(dict)* –
      - **Group** *(string)* –
      - **UserId** *(string)* –
- **`ProductCode`** (*`list`*) –
  - *(string)* –

- **Value** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / modify_instance_attribute

modify_instance_attribute

computing.Client.**modify_instance_attribute**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.modify_instance_attribute(
    Attribute='instanceType'|'disableApiTermination'|'instanceName'|'description'|
↪'ipType'|'groupId'|'accountingType',
    Force=True|False,
    InstanceId='string',
    NiftyReboot='force'|'true'|'false',
    Tenancy='dafault'|'dedicated',
    Value='string'
)
```

Parameters

- **Attribute** (*string*) – **[REQUIRED]**
- **Force** (*boolean*) –
- **InstanceId** (*string*) – **[REQUIRED]**
- **NiftyReboot** (*string*) –
- **Tenancy** (*string*) –
- **Value** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / modify_instance_backup_rule_attribute

modify_instance_backup_rule_attribute

computing.Client.**modify_instance_backup_rule_attribute**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.modify_instance_backup_rule_attribute(
    BackupInstanceMaxCount=123,
    Description='string',
    InstanceBackupRuleId='string',
    InstanceBackupRuleName='string',
    TimeSlotId='1'|'2'|'3'|'4'|'5'|'6'|'7'|'8'|'9'|'10'|'11'|'12'
)
```

Parameters

- **BackupInstanceMaxCount** (*integer*) –
- **Description** (*string*) –
- **InstanceBackupRuleId** (*string*) – **[REQUIRED]**
- **InstanceBackupRuleName** (*string*) –
- **TimeSlotId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / modify_multi_ip_address_group_attribute

modify_multi_ip_address_group_attribute

computing.Client.**modify_multi_ip_address_group_attribute**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.modify_multi_ip_address_group_attribute(
    Description='string',
    MultiIpAddressGroupId='string',
    MultiIpAddressGroupName='string'
)
```

Parameters

- **Description** (*string*) –
- **MultiIpAddressGroupId** (*string*) – **[REQUIRED]**
- **MultiIpAddressGroupName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / modify_network_interface_attribute

modify_network_interface_attribute

`computing.Client.`**`modify_network_interface_attribute`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.modify_network_interface_attribute(
    Description='string',
    IpAddress='string',
    NetworkInterfaceId='string'
)
```

Parameters

- **`Description`** (*`string`*) –
- **`IpAddress`** (*`string`*) –
- **`NetworkInterfaceId`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / modify_remote_access_vpn_gateway_attribute

modify_remote_access_vpn_gateway_attribute

`computing.Client.`**`modify_remote_access_vpn_gateway_attribute`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.modify_remote_access_vpn_gateway_attribute(
    AccountingType='1'|'2',
    ClientTunnelMode='split'|'full',
    Description='string',
    RemoteAccessVpnGatewayId='string',
    RemoteAccessVpnGatewayName='string',
    RemoteAccessVpnGatewayType='small'|'medium'|'large'
)
```

Parameters

- **AccountingType** (*string*) –
- **ClientTunnelMode** (*string*) –
- **Description** (*string*) –
- **RemoteAccessVpnGatewayId** (*string*) – **[REQUIRED]**
- **RemoteAccessVpnGatewayName** (*string*) –
- **RemoteAccessVpnGatewayType** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / modify_remote_access_vpn_gateway_user_attribute

modify_remote_access_vpn_gateway_user_attribute

computing.Client.**modify_remote_access_vpn_gateway_user_attribute**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.modify_remote_access_vpn_gateway_user_attribute(
    Description='string',
    Password='string',
    RemoteAccessVpnGatewayId='string',
    UserName='string'
)
```

Parameters

- **Description** (*string*) –
- **Password** (*string*) –
- **RemoteAccessVpnGatewayId** (*string*) – **[REQUIRED]**
- **UserName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / modify_ssl_certificate_attribute

modify_ssl_certificate_attribute

`computing.Client.`**`modify_ssl_certificate_attribute`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.modify_ssl_certificate_attribute(
    Description={
        'Value': 'string'
    },
    FqdnId='string'
)
```

Parameters

- **`Description`** *(dict)* –
  - **Value** *(string)* –
- **`FqdnId`** *(string)* – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / modify_volume_attribute

modify_volume_attribute

`computing.Client.`**`modify_volume_attribute`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.modify_volume_attribute(
    Attribute='accountingType'|'volumeName'|'description',
    Value='string',
    VolumeId='string'
)
```

Parameters

- **Attribute** (*string*) –
- **Value** (*string*) –
- **VolumeId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_associate_image

nifty_associate_image

computing.Client.**nifty_associate_image**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_associate_image(
    DistributionId=[
        'string',
    ],
    ImageId='string',
    IsPublic=True|False,
    IsRedistribute=True|False
)
```

Parameters

- **DistributionId** (*list*) –
  - *(string)* –
- **ImageId** (*string*) – **[REQUIRED]**
- **IsPublic** (*boolean*) – **[REQUIRED]**
- **IsRedistribute** (*boolean*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
```

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```
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_associate_nat_table

nifty_associate_nat_table

`computing.Client.`**`nifty_associate_nat_table`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_associate_nat_table(
    Agreement=True|False,
    NatTableId='string',
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **Agreement** *(boolean)* –
- **NatTableId** *(string)* – **[REQUIRED]**
- **RouterId** *(string)* –
- **RouterName** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'AssociationId': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **AssociationId** *(string)* –
  - **RequestId** *(string)* –

computing / Client / nifty_associate_route_table_with_elastic_load_balancer

nifty_associate_route_table_with_elastic_load_balancer

`computing.Client.`**`nifty_associate_route_table_with_elastic_load_balancer`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_associate_route_table_with_elastic_load_balancer(
    ElasticLoadBalancerId='string',
    RouteTableId='string'
)
```

Parameters

- **ElasticLoadBalancerId** (*string*) – **[REQUIRED]**
- **RouteTableId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_associate_route_table_with_vpn_gateway

nifty_associate_route_table_with_vpn_gateway

computing.Client.**nifty_associate_route_table_with_vpn_gateway**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_associate_route_table_with_vpn_gateway(
    Agreement=True|False,
    NiftyVpnGatewayName='string',
    RouteTableId='string',
    VpnGatewayId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **NiftyVpnGatewayName** (*string*) –
- **RouteTableId** (*string*) – **[REQUIRED]**
- **VpnGatewayId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'AssociationId': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **AssociationId** *(string)* –

- **RequestId** *(string)* –

computing / Client / nifty_configure_elastic_load_balancer_health_check

nifty_configure_elastic_load_balancer_health_check

`computing.Client.`**`nifty_configure_elastic_load_balancer_health_check`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_configure_elastic_load_balancer_health_check(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    HealthCheck={
        'Interval': 123,
        'ListOfRequestExpectation': [
            {
                'HttpCode': 'string'
            },
        ],
        'Path': 'string',
        'Target': 'string',
        'UnhealthyThreshold': 123
    },
    InstancePort=123,
    Protocol='TCP'|'UDP'|'HTTP'|'HTTPS'
)
```

Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) – **[REQUIRED]**
- **HealthCheck** (*dict*) – **[REQUIRED]**
  - **Interval** *(integer)* – **[REQUIRED]**
  - **ListOfRequestExpectation** *(list)* –
    - *(dict)* –
      - **HttpCode** *(string)* –
  - **Path** *(string)* –
  - **Target** *(string)* – **[REQUIRED]**
  - **UnhealthyThreshold** *(integer)* – **[REQUIRED]**
- **InstancePort** (*integer*) – **[REQUIRED]**
- **Protocol** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NiftyConfigureElasticLoadBalancerHealthCheckResult': {
        'HealthCheck': {
            'Expectation': [
                {
                    'HttpCode': 'string'
                },
```

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```
            ],
            'Interval': 123,
            'Path': 'string',
            'Target': 'string',
            'UnhealthyThreshold': 123
        }
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NiftyConfigureElasticLoadBalancerHealthCheckResult** *(dict)* –
    - **HealthCheck** *(dict)* –
      - **Expectation** *(list)* –
      - *(dict)* –
      - **HttpCode** *(string)* –
      - **Interval** *(integer)* –
      - **Path** *(string)* –
      - **Target** *(string)* –
      - **UnhealthyThreshold** *(integer)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / nifty_create_alarm

nifty_create_alarm

`computing.Client.`**`nifty_create_alarm`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_create_alarm(
    AlarmCondition='and'|'or',
    Description='string',
    ElasticLoadBalancerName=[
        'string',
    ],
    ElasticLoadBalancerPort=[
        123,
    ],
    ElasticLoadBalancerProtocol=[
        'string',
    ],
    EmailAddress=[
        'string',
    ],
    FunctionName='Server'|'LoadBalancer'|'DiskPartition'|'ElasticLoadBalancer',
    InstanceId=[
        'string',
    ],
    LoadBalancerName=[
```

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```
        'string',
    ],
    LoadBalancerPort=[
        123,
    ],
    Partition=[
        'string',
    ],
    Rule=[
        {
            'BreachDuration': 123,
            'DataType': 'string',
            'Threshold': 123.0,
            'UpperLowerCondition': 'upper'|'lower'
        },
    ],
    RuleName='string',
    Zone='string'
)
```

Parameters

- **AlarmCondition** (*string*) –
- **Description** (*string*) –
- **ElasticLoadBalancerName** (*list*) –
  - *(string)* –
- **ElasticLoadBalancerPort** (*list*) –
  - *(integer)* –
- **ElasticLoadBalancerProtocol** (*list*) –
  - *(string)* –
- **EmailAddress** (*list*) – **[REQUIRED]**
  - *(string)* –
- **FunctionName** (*string*) – **[REQUIRED]**
- **InstanceId** (*list*) –
  - *(string)* –
- **LoadBalancerName** (*list*) –
  - *(string)* –
- **LoadBalancerPort** (*list*) –
  - *(integer)* –
- **Partition** (*list*) –
  - *(string)* –
- **Rule** (*list*) – **[REQUIRED]**
  - *(dict)* –
    - **BreachDuration** *(integer)* – **[REQUIRED]**
    - **DataType** *(string)* – **[REQUIRED]**
    - **Threshold** *(float)* –
    - **UpperLowerCondition** *(string)* –
- **RuleName** (*string*) –
- **Zone** (*string*) –

Return type dict

Returns

Response Syntax

```
{
```

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```
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_create_auto_scaling_group

nifty_create_auto_scaling_group

`computing.Client.`**`nifty_create_auto_scaling_group`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_create_auto_scaling_group(
    AutoScalingGroupName='string',
    ChangeInCapacity=123,
    DefaultCooldown=123,
    Description='string',
    ImageId='string',
    InstanceLifecycleLimit=123,
    InstanceType='e-mini'|'h2-mini'|'mini'|'c-small'|'e-small'|'h2-small'|'small'|
↪'c-small2'|'e-small2'|'h2-small2'|'small2'|'c-small4'|'e-small4'|'h2-small4'|
↪'small4'|'e-small8'|'h2-small8'|'small8'|'e-small16'|'h2-small16'|'small16'|'c-
↪medium'|'e-medium'|'h2-medium'|'medium'|'c-medium4'|'e-medium4'|'h2-medium4'|
↪'medium4'|'c-medium8'|'e-medium8'|'h2-medium8'|'medium8'|'e-medium16'|'h2-
↪medium16'|'medium16'|'e-medium24'|'h2-medium24'|'medium24'|'c-large'|'e-large'|
↪'h2-large'|'large'|'c-large8'|'e-large8'|'h2-large8'|'large8'|'e-large16'|'h2-
↪large16'|'large16'|'e-large24'|'h2-large24'|'large24'|'e-large32'|'h2-large32'|
↪'large32'|'e-extra-large8'|'h2-extra-large8'|'extra-large8'|'e-extra-large16'|
↪'h2-extra-large16'|'extra-large16'|'e-extra-large24'|'h2-extra-large24'|'extra-
↪large24'|'e-extra-large32'|'h2-extra-large32'|'extra-large32'|'e-extra-large48'|
↪'h2-extra-large48'|'extra-large48'|'e-double-large16'|'h2-double-large16'|
↪'double-large16'|'e-double-large24'|'h2-double-large24'|'double-large24'|'e-
↪double-large32'|'h2-double-large32'|'double-large32'|'e-double-large48'|'h2-
↪double-large48'|'double-large48'|'e-double-large64'|'h2-double-large64'|'double-
↪large64'|'e-double-large96'|'h2-double-large96'|'double-large96'|'h2-triple-
↪large32'|'triple-large32'|'h2-triple-large48'|'triple-large48'|'h2-triple-
↪large64'|'triple-large64'|'h2-triple-large96'|'triple-large96'|'h2-triple-
↪large128'|'triple-large128'|'h2-quad-large64'|'quad-large64'|'h2-quad-large96'|
↪'quad-large96'|'h2-quad-large128'|'quad-large128'|'h2-septa-large128'|'septa-
↪large128',
    LoadBalancers=[
        {
            'InstancePort': 123,
            'LoadBalancerPort': 123,
            'Name': 'string'
        },
    ],
    MaxSize=123,
    MinSize=123,
    Scaleout=123,
```

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```
    ScaleoutCondition='or'|'and',
    ScalingSchedule=[
        {
            'RequestDDay': {
                'EndingDDay': 'string',
                'StartingDDay': 'string'
            },
            'RequestDay': {
                'SetFriday': '0'|'1',
                'SetMonday': '0'|'1',
                'SetSaturday': '0'|'1',
                'SetSunday': '0'|'1',
                'SetThursday': '0'|'1',
                'SetTuesday': '0'|'1',
                'SetWednesday': '0'|'1'
            },
            'RequestMonth': {
                'EndingMonth': 'string',
                'StartingMonth': 'string'
            },
            'RequestTimeZone': {
                'EndingTimeZone': 'string',
                'StartingTimeZone': 'string'
            }
        },
    ],
    ScalingTrigger=[
        {
            'BreachDuration': 123,
            'Resource': 'Server-cpu'|'Server-memory'|'Server-network'|
↪'LoadBalancer-network',
            'UpperThreshold': 123.0
        },
    ],
    SecurityGroup=[
        'string',
    ]
)
```

Parameters

- **AutoScalingGroupName** (*string*) – **[REQUIRED]**
- **ChangeInCapacity** (*integer*) – **[REQUIRED]**
- **DefaultCooldown** (*integer*) –
- **Description** (*string*) –
- **ImageId** (*string*) – **[REQUIRED]**
- **InstanceLifecycleLimit** (*integer*) –
- **InstanceType** (*string*) –
- **LoadBalancers** (*list*) –
  - *(dict)* –
    - **InstancePort** *(integer)* –
    - **LoadBalancerPort** *(integer)* –
    - **Name** *(string)* –
- **MaxSize** (*integer*) – **[REQUIRED]**
- **MinSize** (*integer*) – **[REQUIRED]**
- **Scaleout** (*integer*) –
- **ScaleoutCondition** (*string*) – **[REQUIRED]**

- **ScalingSchedule** (*list*) –
  - *(dict)* –
    - **RequestDDay** *(dict)* –
      - **EndingDDay** *(string)* –
      - **StartingDDay** *(string)* –
    - **RequestDay** *(dict)* –
      - **SetFriday** *(string)* –
      - **SetMonday** *(string)* –
      - **SetSaturday** *(string)* –
      - **SetSunday** *(string)* –
      - **SetThursday** *(string)* –
      - **SetTuesday** *(string)* –
      - **SetWednesday** *(string)* –
    - **RequestMonth** *(dict)* –
      - **EndingMonth** *(string)* –
      - **StartingMonth** *(string)* –
    - **RequestTimeZone** *(dict)* –
      - **EndingTimeZone** *(string)* –
      - **StartingTimeZone** *(string)* –
- **ScalingTrigger** (*list*) – **[REQUIRED]**
  - *(dict)* –
    - **BreachDuration** *(integer)* –
    - **Resource** *(string)* – **[REQUIRED]**
    - **UpperThreshold** *(float)* – **[REQUIRED]**
- **SecurityGroup** (*list*) –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_create_dhcp_config

nifty_create_dhcp_config

`computing.Client.`**`nifty_create_dhcp_config`**`()`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_create_dhcp_config()
```

Return type dict

Returns

Response Syntax

```
{
    'DhcpConfig': {
        'DhcpConfigId': 'string'
    },
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **DhcpConfig** *(dict)* –
    - **DhcpConfigId** *(string)* –
  - **RequestId** *(string)* –

computing / Client / nifty_create_dhcp_ip_address_pool

nifty_create_dhcp_ip_address_pool

`computing.Client.`**`nifty_create_dhcp_ip_address_pool`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_create_dhcp_ip_address_pool(
    Description='string',
    DhcpConfigId='string',
    StartIpAddress='string',
    StopIpAddress='string'
)
```

Parameters

- **`Description`** (*`string`*) –
- **`DhcpConfigId`** (*`string`*) – **[REQUIRED]**
- **`StartIpAddress`** (*`string`*) – **[REQUIRED]**
- **`StopIpAddress`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_create_dhcp_static_mapping

nifty_create_dhcp_static_mapping

`computing.Client.`**`nifty_create_dhcp_static_mapping`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_create_dhcp_static_mapping(
    Description='string',
    DhcpConfigId='string',
    IpAddress='string',
    MacAddress='string'
)
```

Parameters

- **Description** (*string*) –
- **DhcpConfigId** (*string*) – **[REQUIRED]**
- **IpAddress** (*string*) – **[REQUIRED]**
- **MacAddress** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_create_elastic_load_balancer

nifty_create_elastic_load_balancer

computing.Client.**nifty_create_elastic_load_balancer**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_create_elastic_load_balancer(
    AccountingType='1'|'2',
    AvailabilityZones=[
        'string',
    ],
    ElasticLoadBalancerName='string',
    Listeners=[
        {
            'BalancingType': 123,
            'Description': 'string',
            'ElasticLoadBalancerPort': 123,
            'InstancePort': 123,
            'ListOfRequestInstances': [
                {
                    'InstanceId': 'string',
                    'InstanceUniqueId': 'string'
                },
            ],
            'Protocol': 'TCP'|'UDP'|'HTTP'|'HTTPS',
```

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```
            'RequestHealthCheck': {
                'Interval': 123,
                'ListOfRequestExpectation': [
                    {
                        'HttpCode': '1xx'|'2xx'|'3xx'|'4xx'|'5xx'
                    },
                ],
                'Path': 'string',
                'Target': 'string',
                'UnhealthyThreshold': 123
            },
            'RequestSession': {
                'RequestStickinessPolicy': {
                    'Enable': True|False,
                    'ExpirationPeriod': 123,
                    'Method': '1'|'2'
                }
            },
            'RequestSorryPage': {
                'Enable': True|False,
                'RedirectUrl': 'string'
            },
            'SSLCertificateId': 'string'
        },
    ],
    NetworkInterface=[
        {
            'IpAddress': 'string',
            'IsVipNetwork': True|False,
            'ListOfRequestSystemIpAddresses': [
                {
                    'SystemIpAddress': 'string'
                },
            ],
            'NetworkId': 'string',
            'NetworkName': 'string'
        },
    ],
    NetworkVolume=123
)
```

Parameters

- **AccountingType** (*string*) –
- **AvailabilityZones** (*list*) – **[REQUIRED]**
  - *(string)* –
- **ElasticLoadBalancerName** (*string*) –
- **Listeners** (*list*) – **[REQUIRED]**
  - *(dict)* –
    - **BalancingType** *(integer)* –
    - **Description** *(string)* –
    - **ElasticLoadBalancerPort** *(integer)* – **[REQUIRED]**
    - **InstancePort** *(integer)* –
    - **ListOfRequestInstances** *(list)* –
      - *(dict)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –

- **Protocol** *(string)* – **[REQUIRED]**
- **RequestHealthCheck** *(dict)* –
  - **Interval** *(integer)* –
  - **ListOfRequestExpectation** *(list)* –
  - *(dict)* –
  - **HttpCode** *(string)* –
  - **Path** *(string)* –
  - **Target** *(string)* –
  - **UnhealthyThreshold** *(integer)* –
- **RequestSession** *(dict)* –
  - **RequestStickinessPolicy** *(dict)* –
  - **Enable** *(boolean)* –
  - **ExpirationPeriod** *(integer)* –
  - **Method** *(string)* –
- **RequestSorryPage** *(dict)* –
  - **Enable** *(boolean)* –
  - **RedirectUrl** *(string)* –
- **SSLCertificateId** *(string)* –

- **NetworkInterface** (*list*) –
  - *(dict)* –
    - **IpAddress** *(string)* –
    - **IsVipNetwork** *(boolean)* –
    - **ListOfRequestSystemIpAddresses** *(list)* –
      - *(dict)* –
      - **SystemIpAddress** *(string)* –
    - **NetworkId** *(string)* –
    - **NetworkName** *(string)* –
- **NetworkVolume** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'NiftyCreateElasticLoadBalancerResult': {
        'DNSName': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NiftyCreateElasticLoadBalancerResult** *(dict)* –
    - **DNSName** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / nifty_create_instance_snapshot

nifty_create_instance_snapshot

computing.Client.**nifty_create_instance_snapshot**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_create_instance_snapshot(
    Description='string',
    InstanceId='string',
    SnapshotName='string'
)
```

Parameters

- **Description** (*string*) –
- **InstanceId** (*string*) – **[REQUIRED]**
- **SnapshotName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'InstanceSet': [
        {
            'InstanceId': 'string',
            'InstanceState': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    'RequestId': 'string',
    'SnapshotName': 'string'
}
```

Response Structure

- *(dict)* –
  - **InstanceSet** *(list)* –
    - *(dict)* –
      - **InstanceId** *(string)* –
      - **InstanceState** *(string)* –
      - **InstanceUniqueId** *(string)* –
  - **RequestId** *(string)* –
  - **SnapshotName** *(string)* –

computing / Client / nifty_create_nat_rule

nifty_create_nat_rule

computing.Client.**nifty_create_nat_rule**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_create_nat_rule(
    Description='string',
    Destination={
        'Port': 123
    },
    InboundInterface={
        'NetworkId': 'string',
        'NetworkName': 'string'
    },
```

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```
    NatTableId='string',
    NatType='snat'|'dnat',
    OutboundInterface={
        'NetworkId': 'string',
        'NetworkName': 'string'
    },
    Protocol='ALL'|'TCP'|'UDP'|'TCP_UDP'|'ICMP',
    RuleNumber='string',
    Source={
        'Address': 'string',
        'Port': 123
    },
    Translation={
        'Address': 'string',
        'Port': 123
    }
)
```

Parameters

- **Description** (*string*) –
- **Destination** (*dict*) –
  - **Port** *(integer)* –
- **InboundInterface** (*dict*) –
  - **NetworkId** *(string)* –
  - **NetworkName** *(string)* –
- **NatTableId** (*string*) – **[REQUIRED]**
- **NatType** (*string*) – **[REQUIRED]**
- **OutboundInterface** (*dict*) –
  - **NetworkId** *(string)* –
  - **NetworkName** *(string)* –
- **Protocol** (*string*) – **[REQUIRED]**
- **RuleNumber** (*string*) – **[REQUIRED]**
- **Source** (*dict*) –
  - **Address** *(string)* –
  - **Port** *(integer)* –
- **Translation** (*dict*) –
  - **Address** *(string)* –
  - **Port** *(integer)* –

Return type dict

Returns

Response Syntax

```
{
    'NatRule': {
        'Description': 'string',
        'Destination': {
            'Port': 123
        },
        'InboundInterface': {
            'NetworkId': 'string',
            'NetworkName': 'string'
        },
        'NatType': 'string',
        'OutboundInterface': {
```

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```
            'NetworkId': 'string',
            'NetworkName': 'string'
        },
        'Protocol': 'string',
        'RuleNumber': 'string',
        'Source': {
            'Address': 'string',
            'Port': 123
        },
        'Translation': {
            'Address': 'string',
            'Port': 123
        }
    },
    'NatTableId': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **NatRule** *(dict)* –
    - **Description** *(string)* –
    - **Destination** *(dict)* –
      - **Port** *(integer)* –
    - **InboundInterface** *(dict)* –
      - **NetworkId** *(string)* –
      - **NetworkName** *(string)* –
    - **NatType** *(string)* –
    - **OutboundInterface** *(dict)* –
      - **NetworkId** *(string)* –
      - **NetworkName** *(string)* –
    - **Protocol** *(string)* –
    - **RuleNumber** *(string)* –
    - **Source** *(dict)* –
      - **Address** *(string)* –
      - **Port** *(integer)* –
    - **Translation** *(dict)* –
      - **Address** *(string)* –
      - **Port** *(integer)* –
  - **NatTableId** *(string)* –
  - **RequestId** *(string)* –

computing / Client / nifty_create_nat_table

nifty_create_nat_table

`computing.Client.`**`nifty_create_nat_table`**`()`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_create_nat_table()
```

Return type dict

Returns

Response Syntax

```
{
    'NatTable': {
        'NatTableId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ]
    },
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **NatTable** *(dict)* –
    - **NatTableId** *(string)* –
    - **TagSet** *(list)* –
      - *(dict)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
  - **RequestId** *(string)* –

computing / Client / nifty_create_private_lan

nifty_create_private_lan

`computing.Client.`**`nifty_create_private_lan`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_create_private_lan(
    AccountingType='1'|'2',
    AvailabilityZone='string',
    CidrBlock='string',
    Description='string',
    PrivateLanName='string'
)
```

Parameters

- **AccountingType** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) – **[REQUIRED]**
- **Description** (*string*) –
- **PrivateLanName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'PrivateLan': {
```

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```
        'AccountingType': 'string',
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'CreatedTime': datetime(2015, 1, 1),
        'Description': 'string',
        'ElasticLoadBalancingSet': [
            {
                'ElasticLoadBalancerName': 'string',
                'ElasticLoadBalancerPort': 123,
                'InstancePort': 123,
                'Protocol': 'string'
            },
        ],
        'InstancesSet': [
            {
                'DeviceIndex': 'string',
                'InstanceId': 'string',
                'InstanceUniqueId': 'string',
                'IpAddress': 'string'
            },
        ],
        'NetworkId': 'string',
        'NetworkInterfaceSet': [
            {
                'IpAddress': 'string',
                'NetworkInterfaceId': 'string'
            },
        ],
        'NextMonthAccountingType': 'string',
        'PrivateLanName': 'string',
        'RemoteAccessVpnGatewaySet': [
            {
                'DeviceIndex': 'string',
                'IpAddress': 'string',
                'RemoteAccessVpnGatewayId': 'string',
                'RemoteAccessVpnGatewayName': 'string'
            },
        ],
        'RouterSet': [
            {
                'DeviceIndex': 'string',
                'IpAddress': 'string',
                'RouterId': 'string',
                'RouterName': 'string'
            },
        ],
        'SharingStatus': 'string',
        'State': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpnGatewaySet': [
            {
                'DeviceIndex': 'string',
```

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```
                'IpAddress': 'string',
                'NiftyVpnGatewayName': 'string',
                'VpnGatewayId': 'string'
            },
        ]
    },
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **PrivateLan** *(dict)* –
    - **AccountingType** *(string)* –
    - **AvailabilityZone** *(string)* –
    - **CidrBlock** *(string)* –
    - **CreatedTime** *(datetime)* –
    - **Description** *(string)* –
    - **ElasticLoadBalancingSet** *(list)* –
      - *(dict)* –
      - **ElasticLoadBalancerName** *(string)* –
      - **ElasticLoadBalancerPort** *(integer)* –
      - **InstancePort** *(integer)* –
      - **Protocol** *(string)* –
    - **InstancesSet** *(list)* –
      - *(dict)* –
      - **DeviceIndex** *(string)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
      - **IpAddress** *(string)* –
    - **NetworkId** *(string)* –
    - **NetworkInterfaceSet** *(list)* –
      - *(dict)* –
      - **IpAddress** *(string)* –
      - **NetworkInterfaceId** *(string)* –
    - **NextMonthAccountingType** *(string)* –
    - **PrivateLanName** *(string)* –
    - **RemoteAccessVpnGatewaySet** *(list)* –
      - *(dict)* –
      - **DeviceIndex** *(string)* –
      - **IpAddress** *(string)* –
      - **RemoteAccessVpnGatewayId** *(string)* –
      - **RemoteAccessVpnGatewayName** *(string)* –
    - **RouterSet** *(list)* –
      - *(dict)* –
      - **DeviceIndex** *(string)* –
      - **IpAddress** *(string)* –
      - **RouterId** *(string)* –
      - **RouterName** *(string)* –
    - **SharingStatus** *(string)* –
    - **State** *(string)* –
    - **TagSet** *(list)* –
      - *(dict)* –
      - **Key** *(string)* –

            - **Value** *(string)* –
        - **VpnGatewaySet** *(list)* –
            - *(dict)* –
            - **DeviceIndex** *(string)* –
            - **IpAddress** *(string)* –
            - **NiftyVpnGatewayName** *(string)* –
            - **VpnGatewayId** *(string)* –
    - **RequestId** *(string)* –

computing / Client / nifty_create_router

nifty_create_router

`computing.Client.`**`nifty_create_router`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_create_router(
    AccountingType='1'|'2',
    AvailabilityZone='string',
    Description='string',
    NetworkInterface=[
        {
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpConfigId': 'string',
            'DhcpOptionsId': 'string',
            'IpAddress': 'string',
            'ListOfRequestSecurityGroupId': [
                'string',
            ],
            'NetworkId': 'string',
            'NetworkName': 'string'
        },
    ],
    RouterName='string',
    SecurityGroup=[
        'string',
    ],
    Type='small'|'medium'|'large'
)
```

Parameters

- **AccountingType** (*string*) –
- **AvailabilityZone** (*string*) –
- **Description** (*string*) –
- **NetworkInterface** (*list*) –
    - *(dict)* –
        - **DeviceIndex** *(integer)* –
        - **Dhcp** *(boolean)* –
        - **DhcpConfigId** *(string)* –
        - **DhcpOptionsId** *(string)* –
        - **IpAddress** *(string)* –
        - **ListOfRequestSecurityGroupId** *(list)* –
            - *(string)* –

        * **NetworkId** *(string)* –
        * **NetworkName** *(string)* –
    - **RouterName** (*string*) –
    - **SecurityGroup** (*list*) –
        - *(string)* –
    - **Type** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Router': {
        'AccountingType': 'string',
        'AvailabilityZone': 'string',
        'BackupInformation': {
            'IsBackup': True|False
        },
        'Description': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'NetworkInterfaceSet': [
            {
                'Dhcp': True|False,
                'DhcpConfigId': 'string',
                'DhcpOptionsId': 'string',
                'IpAddress': 'string',
                'NetworkId': 'string',
                'NetworkName': 'string'
            },
        ],
        'NextMonthAccountingType': 'string',
        'RouterId': 'string',
        'RouterName': 'string',
        'State': 'string',
        'Type': 'string',
        'VersionInformation': {
            'IsLatest': True|False,
            'Version': 'string'
        }
    }
}
```

Response Structure

- *(dict)* –
    - **RequestId** *(string)* –
    - **Router** *(dict)* –
        * **AccountingType** *(string)* –
        * **AvailabilityZone** *(string)* –
        * **BackupInformation** *(dict)* –
            · **IsBackup** *(boolean)* –
        * **Description** *(string)* –
        * **GroupSet** *(list)* –
            · *(dict)* –

- GroupId *(string)* –
- NetworkInterfaceSet *(list)* –
  - *(dict)* –
  - Dhcp *(boolean)* –
  - DhcpConfigId *(string)* –
  - DhcpOptionsId *(string)* –
  - IpAddress *(string)* –
  - NetworkId *(string)* –
  - NetworkName *(string)* –
- NextMonthAccountingType *(string)* –
- RouterId *(string)* –
- RouterName *(string)* –
- State *(string)* –
- Type *(string)* –
- VersionInformation *(dict)* –
  - IsLatest *(boolean)* –
  - Version *(string)* –

computing / Client / nifty_create_separate_instance_rule

nifty_create_separate_instance_rule

`computing.Client.nifty_create_separate_instance_rule(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_create_separate_instance_rule(
    InstanceId=[
        'string',
    ],
    InstanceUniqueId=[
        'string',
    ],
    Placement={
        'AvailabilityZone': 'string'
    },
    SeparateInstanceRuleDescription='string',
    SeparateInstanceRuleName='string'
)
```

Parameters

- **InstanceId** *(list)* –
  - *(string)* –
- **InstanceUniqueId** *(list)* –
  - *(string)* –
- **Placement** *(dict)* – **[REQUIRED]**
  - AvailabilityZone *(string)* – **[REQUIRED]**
- **SeparateInstanceRuleDescription** *(string)* –
- **SeparateInstanceRuleName** *(string)* – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': 'string'
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(string)* –

computing / Client / nifty_create_web_proxy

nifty_create_web_proxy

`computing.Client.`**`nifty_create_web_proxy`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_create_web_proxy(
    Agreement=True|False,
    BypassInterface={
        'NetworkId': 'string',
        'NetworkName': 'string'
    },
    Description='string',
    ListenInterface={
        'NetworkId': 'string',
        'NetworkName': 'string'
    },
    ListenPort='string',
    Option={
        'NameServer': 'string'
    },
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **BypassInterface** (*dict*) –
  - **NetworkId** *(string)* –
  - **NetworkName** *(string)* –
- **Description** (*string*) –
- **ListenInterface** (*dict*) –
  - **NetworkId** *(string)* –
  - **NetworkName** *(string)* –
- **ListenPort** (*string*) – **[REQUIRED]**
- **Option** (*dict*) –
  - **NameServer** *(string)* –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'WebProxy': {
        'BypassInterface': {
            'NetworkId': 'string',
            'NetworkName': 'string'
        },
        'Description': 'string',
        'ListenInterface': {
            'NetworkId': 'string',
            'NetworkName': 'string'
        },
        'ListenPort': 'string',
        'Option': {
            'NameServer': 'string'
        },
        'RouterId': 'string',
        'RouterName': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **WebProxy** *(dict)* –
    - **BypassInterface** *(dict)* –
      - **NetworkId** *(string)* –
      - **NetworkName** *(string)* –
    - **Description** *(string)* –
    - **ListenInterface** *(dict)* –
      - **NetworkId** *(string)* –
      - **NetworkName** *(string)* –
    - **ListenPort** *(string)* –
    - **Option** *(dict)* –
      - **NameServer** *(string)* –
    - **RouterId** *(string)* –
    - **RouterName** *(string)* –

computing / Client / nifty_delete_alarm

nifty_delete_alarm

`computing.Client.`**`nifty_delete_alarm`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_delete_alarm(
    FunctionName='Server'|'LoadBalancer'|'DiskPartition'|'ElasticLoadBalancer',
    RuleName='string'
)
```

Parameters

- **FunctionName** (*string*) – **[REQUIRED]**
- **RuleName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_delete_auto_scaling_group

nifty_delete_auto_scaling_group

`computing.Client.`**`nifty_delete_auto_scaling_group`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_delete_auto_scaling_group(
    AutoScalingGroupName='string'
)
```

Parameters **`AutoScalingGroupName`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_delete_dhcp_config

nifty_delete_dhcp_config

`computing.Client.`**`nifty_delete_dhcp_config`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_delete_dhcp_config(
    DhcpConfigId='string'
)
```

Parameters **`DhcpConfigId`** (*`string`*) – **[REQUIRED]**

Return type dict
Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure
- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_delete_dhcp_ip_address_pool

nifty_delete_dhcp_ip_address_pool

`computing.Client.`**`nifty_delete_dhcp_ip_address_pool`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_delete_dhcp_ip_address_pool(
    DhcpConfigId='string',
    StartIpAddress='string',
    StopIpAddress='string'
)
```

Parameters
- **DhcpConfigId** (*string*) – **[REQUIRED]**
- **StartIpAddress** (*string*) – **[REQUIRED]**
- **StopIpAddress** (*string*) – **[REQUIRED]**

Return type dict
Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure
- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_delete_dhcp_static_mapping

nifty_delete_dhcp_static_mapping

`computing.Client.`**`nifty_delete_dhcp_static_mapping`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_delete_dhcp_static_mapping(
    DhcpConfigId='string',
    IpAddress='string',
    MacAddress='string'
)
```

Parameters

- **DhcpConfigId** (*string*) – **[REQUIRED]**
- **IpAddress** (*string*) – **[REQUIRED]**
- **MacAddress** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_delete_elastic_load_balancer

nifty_delete_elastic_load_balancer

computing.Client.**nifty_delete_elastic_load_balancer**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_delete_elastic_load_balancer(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    InstancePort=123,
    Protocol='TCP'|'UDP'|'HTTP'|'HTTPS'
)
```

Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) – **[REQUIRED]**
- **InstancePort** (*integer*) – **[REQUIRED]**
- **Protocol** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NiftyDeleteElasticLoadBalancerResult': 'string',
    'ResponseMetadata': {
```

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```
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NiftyDeleteElasticLoadBalancerResult** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / nifty_delete_instance_snapshot

nifty_delete_instance_snapshot

`computing.Client.`**`nifty_delete_instance_snapshot`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_delete_instance_snapshot(
    InstanceSnapshotId='string',
    SnapshotName='string'
)
```

Parameters

- **InstanceSnapshotId** (*string*) –
- **SnapshotName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'SnapshotInfoSet': [
        {
            'CreatedTime': 'string',
            'Difference': 'string',
            'ExpiredTime': 'string',
            'InstanceId': 'string',
            'InstanceSnapshotId': 'string',
            'Memo': 'string',
            'PowerStatus': 'string',
            'SnapshotName': 'string',
            'Status': 'string',
            'UpdatedTime': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **SnapshotInfoSet** *(list)* –
    - *(dict)* –
      - **CreatedTime** *(string)* –

- **Difference** *(string)* –
- **ExpiredTime** *(string)* –
- **InstanceId** *(string)* –
- **InstanceSnapshotId** *(string)* –
- **Memo** *(string)* –
- **PowerStatus** *(string)* –
- **SnapshotName** *(string)* –
- **Status** *(string)* –
- **UpdatedTime** *(string)* –

computing / Client / nifty_delete_nat_rule

nifty_delete_nat_rule

`computing.Client.`**`nifty_delete_nat_rule`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_delete_nat_rule(
    NatTableId='string',
    NatType='snat'|'dnat',
    RuleNumber='string'
)
```

Parameters

- **NatTableId** (*string*) – **[REQUIRED]**
- **NatType** (*string*) – **[REQUIRED]**
- **RuleNumber** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_delete_nat_table

nifty_delete_nat_table

`computing.Client.`**`nifty_delete_nat_table`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_delete_nat_table(
    NatTableId='string'
)
```

Parameters **NatTableId** (*string*) – **[REQUIRED]**
Return type dict
Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure
- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_delete_private_lan

nifty_delete_private_lan

computing.Client.**nifty_delete_private_lan**(***kwargs*)
See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_delete_private_lan(
    NetworkId='string',
    PrivateLanName='string'
)
```

Parameters
- **NetworkId** (*string*) –
- **PrivateLanName** (*string*) –

Return type dict
Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure
- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_delete_router

nifty_delete_router

computing.Client.**nifty_delete_router**(***kwargs*)
See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_delete_router(
    RouterId='string',
    RouterName='string'
)
```

Parameters
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure
- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_delete_separate_instance_rule

nifty_delete_separate_instance_rule

computing.Client.**nifty_delete_separate_instance_rule**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_delete_separate_instance_rule(
    SeparateInstanceRuleName='string'
)
```

Parameters **SeparateInstanceRuleName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': 'string'
}
```

Response Structure
- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(string)* –

computing / Client / nifty_delete_web_proxy

nifty_delete_web_proxy

computing.Client.**nifty_delete_web_proxy**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_delete_web_proxy(
    Agreement=True|False,
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_deregister_instances_from_elastic_load_balancer

nifty_deregister_instances_from_elastic_load_balancer

computing.Client.**nifty_deregister_instances_from_elastic_load_balancer**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_deregister_instances_from_elastic_load_balancer(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    InstancePort=123,
    Instances=[
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    Protocol='TCP'|'UDP'|'HTTP'|'HTTPS'
)
```

Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –

- **ElasticLoadBalancerPort** (*integer*) – **[REQUIRED]**
- **InstancePort** (*integer*) – **[REQUIRED]**
- **Instances** (*list*) –
  - *(dict)* –
    - **InstanceId** *(string)* –
    - **InstanceUniqueId** *(string)* –
- **Protocol** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NiftyDeregisterInstancesFromElasticLoadBalancerResult': 'string
↪',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NiftyDeregisterInstancesFromElasticLoadBalancerResult** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / nifty_deregister_instances_from_separate_instance_rule

nifty_deregister_instances_from_separate_instance_rule

computing.Client.**nifty_deregister_instances_from_separate_instance_rule**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_deregister_instances_from_separate_instance_rule(
    InstanceId=[
        'string',
    ],
    InstanceUniqueId=[
        'string',
    ],
    SeparateInstanceRuleName='string'
)
```

Parameters

- **InstanceId** (*list*) –
  - *(string)* –
- **InstanceUniqueId** (*list*) –
  - *(string)* –
- **SeparateInstanceRuleName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'InstancesSet': [
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **InstancesSet** *(list)* –
    - *(dict)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
  - **RequestId** *(string)* –

computing / Client / nifty_deregister_routers_from_security_group

nifty_deregister_routers_from_security_group

`computing.Client.`**`nifty_deregister_routers_from_security_group`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_deregister_routers_from_security_group(
    GroupName='string',
    RouterSet=[
        {
            'RouterId': 'string',
            'RouterName': 'string'
        },
    ]
)
```

Parameters

- **`GroupName`** (*`string`*) – **[REQUIRED]**
- **`RouterSet`** (*`list`*) –
  - *(dict)* –
    - **RouterId** *(string)* –
    - **RouterName** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'RouterSet': [
        {
            'RouterId': 'string',
            'RouterName': 'string'
        },
```

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```
    ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **RouterSet** *(list)* –
    - *(dict)* –
      - **RouterId** *(string)* –
      - **RouterName** *(string)* –

computing / Client / nifty_deregister_vpn_gateways_from_security_group

nifty_deregister_vpn_gateways_from_security_group

`computing.Client.`**`nifty_deregister_vpn_gateways_from_security_group`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_deregister_vpn_gateways_from_security_group(
    GroupName='string',
    VpnGatewaySet=[
        {
            'NiftyVpnGatewayName': 'string',
            'VpnGatewayId': 'string'
        },
    ]
)
```

Parameters

- **GroupName** (*string*) – **[REQUIRED]**
- **VpnGatewaySet** (*list*) –
  - *(dict)* –
    - **NiftyVpnGatewayName** *(string)* –
    - **VpnGatewayId** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'VpnGatewaySet': [
        {
            'NiftyVpnGatewayName': 'string',
            'VpnGatewayId': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **VpnGatewaySet** *(list)* –
    - *(dict)* –

- **NiftyVpnGatewayName** *(string)* –
- **VpnGatewayId** *(string)* –

computing / Client / nifty_describe_alarm_history

nifty_describe_alarm_history

`computing.Client.`**`nifty_describe_alarm_history`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_alarm_history(
    Rule=[
        {
            'FromDate': 'string',
            'FunctionName': 'Server'|'LoadBalancer'|'DiskPartition'|
↪'ElasticLoadBalancer',
            'RuleName': 'string',
            'ToDate': 'string'
        },
    ]
)
```

Parameters **`Rule`** *(`list`)* –

- *(dict)* –
  - **FromDate** *(string)* –
  - **FunctionName** *(string)* –
  - **RuleName** *(string)* –
  - **ToDate** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'ReservationSet': [
        {
            'AlarmDateHistorySet': [
                {
                    'AlarmEventHistorySet': [
                        {
                            'AlarmEvent': 'string',
                            'AlarmEventDatetime': datetime(2015, 1,␣
↪1)
                        },
                    ],
                    'Date': 'string'
                },
            ],
            'FunctionName': 'string',
            'RuleName': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **ReservationSet** *(list)* –
    - *(dict)* –
      - **AlarmDateHistorySet** *(list)* –
      - *(dict)* –
      - **AlarmEventHistorySet** *(list)* –
      - *(dict)* –
      - **AlarmEvent** *(string)* –
      - **AlarmEventDatetime** *(datetime)* –
      - **Date** *(string)* –
      - **FunctionName** *(string)* –
      - **RuleName** *(string)* –

computing / Client / nifty_describe_alarm_rules_activities

nifty_describe_alarm_rules_activities

`computing.Client.`**`nifty_describe_alarm_rules_activities`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_alarm_rules_activities(
    Rule=[
        {
            'DataType': 'string',
            'FromDate': 'string',
            'FunctionName': 'Server'|'LoadBalancer'|'DiskPartition',
            'RuleName': 'string',
            'ToDate': 'string'
        },
    ]
)
```

Parameters **`Rule`** *(`list`)* –

- *(dict)* –
  - **DataType** *(string)* –
  - **FromDate** *(string)* –
  - **FunctionName** *(string)* –
  - **RuleName** *(string)* –
  - **ToDate** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'ReservationSet': [
        {
            'AlarmRulesActivitiesSet': [
                {
                    'AlarmRulesActivitiesDateSet': [
                        {
                            'AlarmRulesActivitiesEventSet': [
```

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```
                                    {
                                        'AlarmRulesActivitiesEvent':
↪'string',

↪'AlarmRulesActivitiesEventDatetime': datetime(2015, 1, 1),
                                        'ResourceName': 'string',
                                        'Value': 'string'
                                    },
                                ],
                                'Date': 'string'
                            },
                        ],
                        'DataType': 'string'
                    },
                ],
                'FunctionName': 'string',
                'RuleName': 'string'
            },
        ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **ReservationSet** *(list)* –
    - *(dict)* –
      - **AlarmRulesActivitiesSet** *(list)* –
      - *(dict)* –
      - **AlarmRulesActivitiesDateSet** *(list)* –
      - *(dict)* –
      - **AlarmRulesActivitiesEventSet** *(list)* –
      - *(dict)* –
      - **AlarmRulesActivitiesEvent** *(string)* –
      - **AlarmRulesActivitiesEventDatetime** *(datetime)* –
      - **ResourceName** *(string)* –
      - **Value** *(string)* –
      - **Date** *(string)* –
      - **DataType** *(string)* –
      - **FunctionName** *(string)* –
      - **RuleName** *(string)* –

computing / Client / nifty_describe_alarms

nifty_describe_alarms

`computing.Client.`**`nifty_describe_alarms`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_alarms(
    Rule=[
        {
            'FunctionName': 'Server'|'LoadBalancer'|'DiskPartition'|
↪'ElasticLoadBalancer',
```

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```
            'RuleName': 'string'
        },
    ]
)
```

Parameters **Rule** (*list*) –

- *(dict)* –
  - **FunctionName** *(string)* –
  - **RuleName** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'ReservationSet': [
        {
            'AlarmCondition': 'string',
            'AlarmState': 'string',
            'AlarmTargetsSet': [
                {
                    'ResourceName': 'string'
                },
            ],
            'CreatedTime': datetime(2015, 1, 1),
            'Description': 'string',
            'EmailAddressSet': [
                {
                    'EmailAddress': 'string'
                },
            ],
            'FunctionName': 'string',
            'RuleName': 'string',
            'RuleSet': [
                {
                    'AddDatetime': datetime(2015, 1, 1),
                    'BreachDuration': 123,
                    'DataType': 'string',
                    'Threshold': 123.0,
                    'UpperLowerCondition': 'string'
                },
            ],
            'Zone': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **ReservationSet** *(list)* –
    - *(dict)* –
      - **AlarmCondition** *(string)* –
      - **AlarmState** *(string)* –
      - **AlarmTargetsSet** *(list)* –

- *(dict)* –
- **ResourceName** *(string)* –
- **CreatedTime** *(datetime)* –
- **Description** *(string)* –
- **EmailAddressSet** *(list)* –
- *(dict)* –
- **EmailAddress** *(string)* –
- **FunctionName** *(string)* –
- **RuleName** *(string)* –
- **RuleSet** *(list)* –
- *(dict)* –
- **AddDatetime** *(datetime)* –
- **BreachDuration** *(integer)* –
- **DataType** *(string)* –
- **Threshold** *(float)* –
- **UpperLowerCondition** *(string)* –
- **Zone** *(string)* –

computing / Client / nifty_describe_alarms_partitions

nifty_describe_alarms_partitions

`computing.Client.`**`nifty_describe_alarms_partitions`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_alarms_partitions(
    InstanceId=[
        'string',
    ]
)
```

Parameters **`InstanceId`**`(list)` –

- *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'AlarmTargetSet': [
        {
            'InstanceId': 'string',
            'PartitionsSet': [
                {
                    'Partition': 'string'
                },
            ]
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **AlarmTargetSet** *(list)* –

* *(dict)* –
  - **InstanceId** *(string)* –
  - **PartitionsSet** *(list)* –
  - *(dict)* –
  - **Partition** *(string)* –
- **RequestId** *(string)* –

computing / Client / nifty_describe_auto_scaling_groups

nifty_describe_auto_scaling_groups

`computing.Client.`**`nifty_describe_auto_scaling_groups`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_auto_scaling_groups(
    AutoScalingGroupName=[
        'string',
    ]
)
```

Parameters **`AutoScalingGroupName`** `(list)` –

- *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'AutoScalingReservationSet': [
        {
            'Alarm': 'string',
            'AutoScalingGroupName': 'string',
            'ChangeInCapacity': 123,
            'CreatedTime': datetime(2015, 1, 1),
            'DefaultCooldown': 123,
            'Description': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'ImageId': 'string',
            'InstanceLifecycleLimit': 123,
            'InstanceType': 'string',
            'InstancesSet': [
                {
                    'DnsName': 'string',
                    'ExpireTime': datetime(2015, 1, 1),
                    'InstanceId': 'string',
                    'InstanceState': {
                        'Code': 123,
                        'Name': 'string'
                    },
                    'InstanceType': 'string',
                    'InstanceUniqueId': 'string'
```

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```
                },
            ],
            'LoadBalancing': [
                {
                    'InstancePort': 123,
                    'LoadBalancerName': 'string',
                    'LoadBalancerPort': 123
                },
            ],
            'MaxSize': 123,
            'MinSize': 123,
            'Placement': {
                'AvailabilityZone': 'string'
            },
            'Scaleout': 123,
            'ScaleoutCondition': 'string',
            'ScheduleSet': [
                {
                    'DDay': {
                        'EndingDDay': 'string',
                        'StartingDDay': 'string'
                    },
                    'Day': {
                        'SetFriday': 'string',
                        'SetMonday': 'string',
                        'SetSaturday': 'string',
                        'SetSunday': 'string',
                        'SetThursday': 'string',
                        'SetTuesday': 'string',
                        'SetWednesday': 'string'
                    },
                    'Month': {
                        'EndingMonth': 'string',
                        'StartingMonth': 'string'
                    },
                    'TimeZone': {
                        'EndingTimeZone': 'string',
                        'StartingTimeZone': 'string'
                    }
                },
            ],
            'TriggerSet': [
                {
                    'BreachDuration': 123,
                    'Resource': 'string',
                    'UpperThreshold': 123.0
                },
            ]
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **AutoScalingReservationSet** *(list)* –
    - *(dict)* –

- **Alarm** *(string)* –
- **AutoScalingGroupName** *(string)* –
- **ChangeInCapacity** *(integer)* –
- **CreatedTime** *(datetime)* –
- **DefaultCooldown** *(integer)* –
- **Description** *(string)* –
- **GroupSet** *(list)* –
- *(dict)* –
- **GroupId** *(string)* –
- **ImageId** *(string)* –
- **InstanceLifecycleLimit** *(integer)* –
- **InstanceType** *(string)* –
- **InstancesSet** *(list)* –
- *(dict)* –
- **DnsName** *(string)* –
- **ExpireTime** *(datetime)* –
- **InstanceId** *(string)* –
- **InstanceState** *(dict)* –
- **Code** *(integer)* –
- **Name** *(string)* –
- **InstanceType** *(string)* –
- **InstanceUniqueId** *(string)* –
- **LoadBalancing** *(list)* –
- *(dict)* –
- **InstancePort** *(integer)* –
- **LoadBalancerName** *(string)* –
- **LoadBalancerPort** *(integer)* –
- **MaxSize** *(integer)* –
- **MinSize** *(integer)* –
- **Placement** *(dict)* –
- **AvailabilityZone** *(string)* –
- **Scaleout** *(integer)* –
- **ScaleoutCondition** *(string)* –
- **ScheduleSet** *(list)* –
- *(dict)* –
- **DDay** *(dict)* –
- **EndingDDay** *(string)* –
- **StartingDDay** *(string)* –
- **Day** *(dict)* –
- **SetFriday** *(string)* –
- **SetMonday** *(string)* –
- **SetSaturday** *(string)* –
- **SetSunday** *(string)* –
- **SetThursday** *(string)* –
- **SetTuesday** *(string)* –
- **SetWednesday** *(string)* –
- **Month** *(dict)* –
- **EndingMonth** *(string)* –
- **StartingMonth** *(string)* –
- **TimeZone** *(dict)* –
- **EndingTimeZone** *(string)* –
- **StartingTimeZone** *(string)* –
- **TriggerSet** *(list)* –
- *(dict)* –

- · **BreachDuration** *(integer)* –
- · **Resource** *(string)* –
- · **UpperThreshold** *(float)* –

– **RequestId** *(string)* –

computing / Client / nifty_describe_corporate_info_for_certificate

nifty_describe_corporate_info_for_certificate

`computing.Client.`**`nifty_describe_corporate_info_for_certificate`**`()`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_corporate_info_for_certificate()
```

Return type dict

Returns

Response Syntax

```
{
    'AlphabetName1': 'string',
    'AlphabetName2': 'string',
    'City': 'string',
    'CorpGrade': 'string',
    'CorpName': 'string',
    'DivisionName': 'string',
    'EmailAddress': 'string',
    'KanaName1': 'string',
    'KanaName2': 'string',
    'Name1': 'string',
    'Name2': 'string',
    'PhoneNumber': 'string',
    'PostName': 'string',
    'Pref': 'string',
    'PresidentName1': 'string',
    'PresidentName2': 'string',
    'RequestId': 'string',
    'TdbCode': 'string',
    'Zip1': 'string',
    'Zip2': 'string'
}
```

Response Structure

- *(dict)* –
  - **AlphabetName1** *(string)* –
  - **AlphabetName2** *(string)* –
  - **City** *(string)* –
  - **CorpGrade** *(string)* –
  - **CorpName** *(string)* –
  - **DivisionName** *(string)* –
  - **EmailAddress** *(string)* –
  - **KanaName1** *(string)* –
  - **KanaName2** *(string)* –
  - **Name1** *(string)* –
  - **Name2** *(string)* –

- **PhoneNumber** *(string)* –
- **PostName** *(string)* –
- **Pref** *(string)* –
- **PresidentName1** *(string)* –
- **PresidentName2** *(string)* –
- **RequestId** *(string)* –
- **TdbCode** *(string)* –
- **Zip1** *(string)* –
- **Zip2** *(string)* –

computing / Client / nifty_describe_dhcp_configs

nifty_describe_dhcp_configs

`computing.Client.`**`nifty_describe_dhcp_configs`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_dhcp_configs(
    DhcpConfigId=[
        'string',
    ],
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'dhcp-config-id'|'ipaddress-pool-start'|'ipaddress-pool-stop'|
↪'ipaddress-pool-description'|'static-mapping-ipaddress'|'static-mapping-
↪macaddress'|'static-mapping-description'
        },
    ]
)
```

Parameters

- **DhcpConfigId** *(list)* –
  - *(string)* –
- **Filter** *(list)* –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'DhcpConfigsSet': [
        {
            'DhcpConfigId': 'string',
            'IpAddressPoolsSet': [
                {
                    'Description': 'string',
                    'StartIpAddress': 'string',
```

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```
                    'StopIpAddress': 'string'
                },
            ],
            'StaticMappingsSet': [
                {
                    'Description': 'string',
                    'IpAddress': 'string',
                    'MacAddress': 'string'
                },
            ]
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **DhcpConfigsSet** *(list)* –
    - *(dict)* –
      - **DhcpConfigId** *(string)* –
      - **IpAddressPoolsSet** *(list)* –
      - *(dict)* –
      - **Description** *(string)* –
      - **StartIpAddress** *(string)* –
      - **StopIpAddress** *(string)* –
      - **StaticMappingsSet** *(list)* –
      - *(dict)* –
      - **Description** *(string)* –
      - **IpAddress** *(string)* –
      - **MacAddress** *(string)* –
  - **RequestId** *(string)* –

computing / Client / nifty_describe_dhcp_status

nifty_describe_dhcp_status

`computing.Client.`**`nifty_describe_dhcp_status`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_dhcp_status(
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'DhcpStatusInformationSet': [
        {
            'DhcpIpAddressInformation': {
                'DhcpIpAddressSet': [
                    {
                        'ClientName': 'string',
                        'Description': 'string',
                        'IpAddress': 'string',
                        'LeaseExpiration': datetime(2015, 1, 1),
                        'LeaseType': 'string',
                        'MacAddress': 'string'
                    },
                ],
                'IpAddressPoolSet': [
                    {
                        'Description': 'string',
                        'StartIpAddress': 'string',
                        'StopIpAddress': 'string'
                    },
                ]
            },
            'NetworkId': 'string',
            'PrivateLanName': 'string'
        },
    ],
    'RequestId': 'string',
    'RouterId': 'string',
    'RouterName': 'string'
}
```

Response Structure

- *(dict)* –
  - **DhcpStatusInformationSet** *(list)* –
    - *(dict)* –
      - **DhcpIpAddressInformation** *(dict)* –
      - **DhcpIpAddressSet** *(list)* –
      - *(dict)* –
      - **ClientName** *(string)* –
      - **Description** *(string)* –
      - **IpAddress** *(string)* –
      - **LeaseExpiration** *(datetime)* –
      - **LeaseType** *(string)* –
      - **MacAddress** *(string)* –
      - **IpAddressPoolSet** *(list)* –
      - *(dict)* –
      - **Description** *(string)* –
      - **StartIpAddress** *(string)* –
      - **StopIpAddress** *(string)* –
      - **NetworkId** *(string)* –
      - **PrivateLanName** *(string)* –
  - **RequestId** *(string)* –
  - **RouterId** *(string)* –
  - **RouterName** *(string)* –

computing / Client / nifty_describe_elastic_load_balancers

nifty_describe_elastic_load_balancers

`computing.Client.nifty_describe_elastic_load_balancers(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_elastic_load_balancers(
    ElasticLoadBalancers={
        'ListOfRequestElasticLoadBalancerId': [
            'string',
        ],
        'ListOfRequestElasticLoadBalancerName': [
            'string',
        ],
        'ListOfRequestElasticLoadBalancerPort': [
            123,
        ],
        'ListOfRequestInstancePort': [
            123,
        ],
        'ListOfRequestProtocol': [
            'string',
        ]
    },
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'availability-zone'|'state'|'elastic-loadbalancer-id'|
↪'elastic-loadbalancer-name'|'description'|'accounting-type'|'ip-address'|
↪'version'
        },
    ]
)
```

Parameters

- **ElasticLoadBalancers** (*dict*) –
  - **ListOfRequestElasticLoadBalancerId** *(list)* –
    - *(string)* –
  - **ListOfRequestElasticLoadBalancerName** *(list)* –
    - *(string)* –
  - **ListOfRequestElasticLoadBalancerPort** *(list)* –
    - *(integer)* –
  - **ListOfRequestInstancePort** *(list)* –
    - *(integer)* –
  - **ListOfRequestProtocol** *(list)* –
    - *(string)* –
- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'NiftyDescribeElasticLoadBalancersResult': {
        'ElasticLoadBalancerDescriptions': [
            {
                'AccountingType': 'string',
                'AvailabilityZones': [
                    'string',
                ],
                'CreatedTime': datetime(2015, 1, 1),
                'DNSName': 'string',
                'ElasticLoadBalancerId': 'string',
                'ElasticLoadBalancerListenerDescriptions': [
                    {
                        'Listener': {
                            'BalancingType': 123,
                            'Description': 'string',
                            'ElasticLoadBalancerPort': 123,
                            'HealthCheck': {
                                'Expectation': [
                                    {
                                        'HttpCode': 'string'
                                    },
                                ],
                                'InstanceStates': [
                                    {
                                        'Description': 'string',
                                        'InstanceId': 'string',
                                        'InstanceUniqueId': 'string
↪',
                                        'ReasonCode': 'string',
                                        'State': 'string'
                                    },
                                ],
                                'Interval': 123,
                                'Path': 'string',
                                'Target': 'string',
                                'UnhealthyThreshold': 123
                            },
                            'InstancePort': 123,
                            'Instances': [
                                {
                                    'InstanceId': 'string',
                                    'InstanceUniqueId': 'string'
                                },
                            ],
                            'Protocol': 'string',
                            'SSLCertificateId': 'string',
                            'SessionStickinessPolicy': {
                                'Enabled': True|False,
                                'ExpirationPeriod': 123,
                                'Method': 123
                            },
                            'SorryPage': {
                                'Enabled': True|False,
                                'RedirectUrl': 'string'
                            }
                        }
```

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```
                    },
                ],
                'ElasticLoadBalancerName': 'string',
                'NetworkInterfaces': [
                    {
                        'Description': 'string',
                        'DeviceIndex': 'string',
                        'IpAddress': 'string',
                        'IsVipNetwork': True|False,
                        'NetworkId': 'string',
                        'NetworkName': 'string',
                        'SystemIpAddresses': [
                            {
                                'SystemIpAddress': 'string'
                            },
                        ]
                    },
                ],
                'NetworkVolume': 'string',
                'NextMonthAccountingType': 'string',
                'RouteTableAssociationId': 'string',
                'RouteTableId': 'string',
                'State': 'string',
                'VersionInformation': {
                    'IsLatest': True|False,
                    'Version': 'string'
                }
            },
        ]
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NiftyDescribeElasticLoadBalancersResult** *(dict)* –
    - **ElasticLoadBalancerDescriptions** *(list)* –
      - *(dict)* –
      - **AccountingType** *(string)* –
      - **AvailabilityZones** *(list)* –
      - *(string)* –
      - **CreatedTime** *(datetime)* –
      - **DNSName** *(string)* –
      - **ElasticLoadBalancerId** *(string)* –
      - **ElasticLoadBalancerListenerDescriptions** *(list)* –
      - *(dict)* –
      - **Listener** *(dict)* –
      - **BalancingType** *(integer)* –
      - **Description** *(string)* –
      - **ElasticLoadBalancerPort** *(integer)* –
      - **HealthCheck** *(dict)* –
      - **Expectation** *(list)* –
      - *(dict)* –

- **HttpCode** *(string)* –
- **InstanceStates** *(list)* –
- *(dict)* –
- **Description** *(string)* –
- **InstanceId** *(string)* –
- **InstanceUniqueId** *(string)* –
- **ReasonCode** *(string)* –
- **State** *(string)* –
- **Interval** *(integer)* –
- **Path** *(string)* –
- **Target** *(string)* –
- **UnhealthyThreshold** *(integer)* –
- **InstancePort** *(integer)* –
- **Instances** *(list)* –
- *(dict)* –
- **InstanceId** *(string)* –
- **InstanceUniqueId** *(string)* –
- **Protocol** *(string)* –
- **SSLCertificateId** *(string)* –
- **SessionStickinessPolicy** *(dict)* –
- **Enabled** *(boolean)* –
- **ExpirationPeriod** *(integer)* –
- **Method** *(integer)* –
- **SorryPage** *(dict)* –
- **Enabled** *(boolean)* –
- **RedirectUrl** *(string)* –
- **ElasticLoadBalancerName** *(string)* –
- **NetworkInterfaces** *(list)* –
- *(dict)* –
- **Description** *(string)* –
- **DeviceIndex** *(string)* –
- **IpAddress** *(string)* –
- **IsVipNetwork** *(boolean)* –
- **NetworkId** *(string)* –
- **NetworkName** *(string)* –
- **SystemIpAddresses** *(list)* –
- *(dict)* –
- **SystemIpAddress** *(string)* –
- **NetworkVolume** *(string)* –
- **NextMonthAccountingType** *(string)* –
- **RouteTableAssociationId** *(string)* –
- **RouteTableId** *(string)* –
- **State** *(string)* –
- **VersionInformation** *(dict)* –
- **IsLatest** *(boolean)* –
- **Version** *(string)* –

– **ResponseMetadata** *(dict)* –

* **RequestId** *(string)* –

computing / Client / nifty_describe_instance_elastic_load_balancer_health

nifty_describe_instance_elastic_load_balancer_health

`computing.Client.nifty_describe_instance_elastic_load_balancer_health(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_instance_elastic_load_balancer_health(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    InstancePort=123,
    Instances=[
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    Protocol='TCP'|'UDP'|'HTTP'|'HTTPS'
)
```

Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) – **[REQUIRED]**
- **InstancePort** (*integer*) – **[REQUIRED]**
- **Instances** (*list*) –
  - *(dict)* –
    - **InstanceId** *(string)* –
    - **InstanceUniqueId** *(string)* –
- **Protocol** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NiftyDescribeInstanceElasticLoadBalancerHealthResult': {
        'InstanceStates': [
            {
                'Description': 'string',
                'InstanceId': 'string',
                'InstanceUniqueId': 'string',
                'ReasonCode': 'string',
                'State': 'string'
            },
        ]
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NiftyDescribeInstanceElasticLoadBalancerHealthResult** *(dict)* –
    - **InstanceStates** *(list)* –
      - *(dict)* –

- **Description** *(string)* –
- **InstanceId** *(string)* –
- **InstanceUniqueId** *(string)* –
- **ReasonCode** *(string)* –
- **State** *(string)* –

– **ResponseMetadata** *(dict)* –

* **RequestId** *(string)* –

computing / Client / nifty_describe_instance_snapshots

nifty_describe_instance_snapshots

`computing.Client.`**`nifty_describe_instance_snapshots`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_instance_snapshots(
    InstanceSnapshotId=[
        'string',
    ],
    SnapshotName=[
        'string',
    ]
)
```

Parameters

- **`InstanceSnapshotId`** `(list)` –
  - *(string)* –
- **`SnapshotName`** `(list)` –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'SnapshotInfoSet': [
        {
            'CreatedTime': 'string',
            'Difference': 'string',
            'ExpiredTime': 'string',
            'InstanceId': 'string',
            'InstanceSnapshotId': 'string',
            'Memo': 'string',
            'PowerStatus': 'string',
            'SnapshotName': 'string',
            'Status': 'string',
            'UpdatedTime': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –

- **SnapshotInfoSet** *(list)* –
  - *(dict)* –
    - **CreatedTime** *(string)* –
    - **Difference** *(string)* –
    - **ExpiredTime** *(string)* –
    - **InstanceId** *(string)* –
    - **InstanceSnapshotId** *(string)* –
    - **Memo** *(string)* –
    - **PowerStatus** *(string)* –
    - **SnapshotName** *(string)* –
    - **Status** *(string)* –
    - **UpdatedTime** *(string)* –

computing / Client / nifty_describe_load_balancer_ssl_policies

nifty_describe_load_balancer_ssl_policies

`computing.Client.`**`nifty_describe_load_balancer_ssl_policies`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_load_balancer_ssl_policies(
    LoadBalancerName='string'
)
```

Parameters **`LoadBalancerName`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NiftyDescribeLoadBalancerSSLPoliciesResult': {
        'LoadBalancerName': 'string',
        'SSLPoliciesDescriptions': [
            {
                'SSLPolicyId': 123,
                'SSLPolicyName': 'string',
                'SSLPolicySet': [
                    {
                        'Cipher': 'string'
                    },
                ]
            },
        ]
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NiftyDescribeLoadBalancerSSLPoliciesResult** *(dict)* –
    - **LoadBalancerName** *(string)* –
    - **SSLPoliciesDescriptions** *(list)* –

· *(dict)* –
· **SSLPolicyId** *(integer)* –
· **SSLPolicyName** *(string)* –
· **SSLPolicySet** *(list)* –
· *(dict)* –
· **Cipher** *(string)* –
– **ResponseMetadata** *(dict)* –
* **RequestId** *(string)* –

computing / Client / nifty_describe_nat_tables

nifty_describe_nat_tables

`computing.Client.`**`nifty_describe_nat_tables`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_nat_tables(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'association.association-id'|'association.nat-table-id'|
↪'association.router-id'|'nat-table-id'|'nat-rule.nat-type'|'nat-rule.rule-number
↪'|'nat-rule.description'|'nat-rule.protocol'|'nat-rule.outbound-interface.
↪network-id'|'nat-rule.outbound-interface.network-name'|'nat-rule.inbound-
↪interface.network-id'|'nat-rule.inbound-interface.network-name'|'nat-rule.
↪destination.address'|'nat-rule.destination.port'|'nat-rule.source.address'|'nat-
↪rule.source.port'|'nat-rule.translation.address'|'nat-rule.translation.port'
        },
    ],
    NatTableId=[
        'string',
    ]
)
```

Parameters

- **`Filter`** *(`list`)* –
  – *(dict)* –
    * **ListOfRequestValue** *(list)* –
      · *(string)* –
    * **Name** *(string)* –
- **`NatTableId`** *(`list`)* –
  – *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'NatTableSet': [
        {
            'AssociationSet': [
                {
```

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```
                    'AssociationId': 'string',
                    'NatTableId': 'string',
                    'RouterId': 'string',
                    'RouterName': 'string'
                },
            ],
            'NatRuleSet': [
                {
                    'Description': 'string',
                    'Destination': {
                        'Port': 123
                    },
                    'InboundInterface': {
                        'NetworkId': 'string',
                        'NetworkName': 'string'
                    },
                    'NatType': 'string',
                    'OutboundInterface': {
                        'NetworkId': 'string',
                        'NetworkName': 'string'
                    },
                    'Protocol': 'string',
                    'RuleNumber': 'string',
                    'Source': {
                        'Address': 'string',
                        'Port': 123
                    },
                    'Translation': {
                        'Address': 'string',
                        'Port': 123
                    }
                },
            ],
            'NatTableId': 'string',
            'TagSet': [
                {
                    'Key': 'string',
                    'Value': 'string'
                },
            ]
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **NatTableSet** *(list)* –
    - *(dict)* –
      - **AssociationSet** *(list)* –
      - *(dict)* –
      - **AssociationId** *(string)* –
      - **NatTableId** *(string)* –
      - **RouterId** *(string)* –
      - **RouterName** *(string)* –
      - **NatRuleSet** *(list)* –

- *(dict)* –
- **Description** *(string)* –
- **Destination** *(dict)* –
- **Port** *(integer)* –
- **InboundInterface** *(dict)* –
- **NetworkId** *(string)* –
- **NetworkName** *(string)* –
- **NatType** *(string)* –
- **OutboundInterface** *(dict)* –
- **NetworkId** *(string)* –
- **NetworkName** *(string)* –
- **Protocol** *(string)* –
- **RuleNumber** *(string)* –
- **Source** *(dict)* –
- **Address** *(string)* –
- **Port** *(integer)* –
- **Translation** *(dict)* –
- **Address** *(string)* –
- **Port** *(integer)* –
- **NatTableId** *(string)* –
- **TagSet** *(list)* –
- *(dict)* –
- **Key** *(string)* –
- **Value** *(string)* –

– **RequestId** *(string)* –

computing / Client / nifty_describe_performance_chart

nifty_describe_performance_chart

`computing.Client.`**`nifty_describe_performance_chart`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_performance_chart(
    DataType=[
        'string',
    ],
    FromDate='string',
    FunctionName='Server'|'LoadBalancer'|'LB'|'DiskPartition'|'DP'|
↪'ElasticLoadBalancer'|'ELB',
    ResourceName=[
        'string',
    ],
    ToDate='string',
    ValueType='1'|'2'
)
```

Parameters

- **DataType** *(list)* –
  - *(string)* –
- **FromDate** *(string)* –
- **FunctionName** *(string)* – **[REQUIRED]**
- **ResourceName** *(list)* – **[REQUIRED]**
  - *(string)* –

- **ToDate** (*string*) –
- **ValueType** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'FunctionName': 'string',
    'PerformanceChartSet': [
        {
            'DataSet': [
                {
                    'DateTime': 'string',
                    'Value': 'string'
                },
            ],
            'DataType': 'string',
            'ResourceName': 'string'
        },
    ],
    'RequestId': 'string',
    'ValueType': 'string'
}
```

Response Structure

- *(dict)* –
  - **FunctionName** *(string)* –
  - **PerformanceChartSet** *(list)* –
    - *(dict)* –
      - **DataSet** *(list)* –
      - *(dict)* –
      - **DateTime** *(string)* –
      - **Value** *(string)* –
      - **DataType** *(string)* –
      - **ResourceName** *(string)* –
  - **RequestId** *(string)* –
  - **ValueType** *(string)* –

computing / Client / nifty_describe_private_lans

nifty_describe_private_lans

computing.Client.**nifty_describe_private_lans**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_private_lans(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'availabilityZone, availability-zone'|'cidrBlock, cidr, cidr-
↪block'|'state'|'network-id'|'private-lan-name'|'accountingType'|'description'
        },
```

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```
    ],
    NetworkId=[
        'string',
    ],
    PrivateLanName=[
        'string',
    ]
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **NetworkId** (*list*) –
  - *(string)* –
- **PrivateLanName** (*list*) –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'PrivateLanSet': [
        {
            'AccountingType': 'string',
            'AvailabilityZone': 'string',
            'CidrBlock': 'string',
            'CreatedTime': datetime(2015, 1, 1),
            'Description': 'string',
            'ElasticLoadBalancingSet': [
                {
                    'ElasticLoadBalancerName': 'string',
                    'ElasticLoadBalancerPort': 123,
                    'InstancePort': 123,
                    'Protocol': 'string'
                },
            ],
            'InstancesSet': [
                {
                    'DeviceIndex': 'string',
                    'InstanceId': 'string',
                    'InstanceUniqueId': 'string',
                    'IpAddress': 'string'
                },
            ],
            'NetworkId': 'string',
            'NetworkInterfaceSet': [
                {
                    'IpAddress': 'string',
                    'NetworkInterfaceId': 'string'
                },
            ],
            'NextMonthAccountingType': 'string',
```

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```
            'PrivateLanName': 'string',
            'RemoteAccessVpnGatewaySet': [
                {
                    'DeviceIndex': 'string',
                    'IpAddress': 'string',
                    'RemoteAccessVpnGatewayId': 'string',
                    'RemoteAccessVpnGatewayName': 'string'
                },
            ],
            'RouterSet': [
                {
                    'DeviceIndex': 'string',
                    'IpAddress': 'string',
                    'RouterId': 'string',
                    'RouterName': 'string'
                },
            ],
            'SharingStatus': 'string',
            'State': 'string',
            'TagSet': [
                {
                    'Key': 'string',
                    'Value': 'string'
                },
            ],
            'VpnGatewaySet': [
                {
                    'DeviceIndex': 'string',
                    'IpAddress': 'string',
                    'NiftyVpnGatewayName': 'string',
                    'VpnGatewayId': 'string'
                },
            ]
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **PrivateLanSet** *(list)* –
    - *(dict)* –
      - **AccountingType** *(string)* –
      - **AvailabilityZone** *(string)* –
      - **CidrBlock** *(string)* –
      - **CreatedTime** *(datetime)* –
      - **Description** *(string)* –
      - **ElasticLoadBalancingSet** *(list)* –
      - *(dict)* –
      - **ElasticLoadBalancerName** *(string)* –
      - **ElasticLoadBalancerPort** *(integer)* –
      - **InstancePort** *(integer)* –
      - **Protocol** *(string)* –
      - **InstancesSet** *(list)* –
      - *(dict)* –
      - **DeviceIndex** *(string)* –

- **InstanceId** *(string)* –
- **InstanceUniqueId** *(string)* –
- **IpAddress** *(string)* –
- **NetworkId** *(string)* –
- **NetworkInterfaceSet** *(list)* –
- *(dict)* –
- **IpAddress** *(string)* –
- **NetworkInterfaceId** *(string)* –
- **NextMonthAccountingType** *(string)* –
- **PrivateLanName** *(string)* –
- **RemoteAccessVpnGatewaySet** *(list)* –
- *(dict)* –
- **DeviceIndex** *(string)* –
- **IpAddress** *(string)* –
- **RemoteAccessVpnGatewayId** *(string)* –
- **RemoteAccessVpnGatewayName** *(string)* –
- **RouterSet** *(list)* –
- *(dict)* –
- **DeviceIndex** *(string)* –
- **IpAddress** *(string)* –
- **RouterId** *(string)* –
- **RouterName** *(string)* –
- **SharingStatus** *(string)* –
- **State** *(string)* –
- **TagSet** *(list)* –
- *(dict)* –
- **Key** *(string)* –
- **Value** *(string)* –
- **VpnGatewaySet** *(list)* –
- *(dict)* –
- **DeviceIndex** *(string)* –
- **IpAddress** *(string)* –
- **NiftyVpnGatewayName** *(string)* –
- **VpnGatewayId** *(string)* –

– **RequestId** *(string)* –

computing / Client / nifty_describe_routers

nifty_describe_routers

`computing.Client.`**`nifty_describe_routers`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_routers(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'availability-zone'|'state'|'router-id'|'router-name'|
↪'description'|'accountingType'|'type'|'ip-address'|'version'|'latest-version-
↪information'
```

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```
        },
    ],
    RouterId=[
        'string',
    ],
    RouterName=[
        'string',
    ]
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **RouterId** (*list*) –
  - *(string)* –
- **RouterName** (*list*) –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'RouterSet': [
        {
            'AccountingType': 'string',
            'AvailabilityZone': 'string',
            'BackupInformation': {
                'ExpirationDate': datetime(2015, 1, 1),
                'IsBackup': True|False
            },
            'CreatedTime': datetime(2015, 1, 1),
            'Description': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'NatTableAssociationId': 'string',
            'NatTableId': 'string',
            'NetworkInterfaceSet': [
                {
                    'CidrBlock': 'string',
                    'Description': 'string',
                    'DeviceIndex': 'string',
                    'Dhcp': True|False,
                    'DhcpConfigId': 'string',
                    'DhcpOptionsId': 'string',
                    'IpAddress': 'string',
                    'NetworkId': 'string',
                    'NetworkName': 'string'
                },
```

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```
            ],
            'NextMonthAccountingType': 'string',
            'RouteTableAssociationId': 'string',
            'RouteTableId': 'string',
            'RouterId': 'string',
            'RouterName': 'string',
            'State': 'string',
            'TagSet': [
                {
                    'Key': 'string',
                    'Value': 'string'
                },
            ],
            'Type': 'string',
            'VersionInformation': {
                'IsLatest': True|False,
                'Version': 'string'
            }
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **RouterSet** *(list)* –
    - *(dict)* –
      - **AccountingType** *(string)* –
      - **AvailabilityZone** *(string)* –
      - **BackupInformation** *(dict)* –
      - **ExpirationDate** *(datetime)* –
      - **IsBackup** *(boolean)* –
      - **CreatedTime** *(datetime)* –
      - **Description** *(string)* –
      - **GroupSet** *(list)* –
      - *(dict)* –
      - **GroupId** *(string)* –
      - **NatTableAssociationId** *(string)* –
      - **NatTableId** *(string)* –
      - **NetworkInterfaceSet** *(list)* –
      - *(dict)* –
      - **CidrBlock** *(string)* –
      - **Description** *(string)* –
      - **DeviceIndex** *(string)* –
      - **Dhcp** *(boolean)* –
      - **DhcpConfigId** *(string)* –
      - **DhcpOptionsId** *(string)* –
      - **IpAddress** *(string)* –
      - **NetworkId** *(string)* –
      - **NetworkName** *(string)* –
      - **NextMonthAccountingType** *(string)* –
      - **RouteTableAssociationId** *(string)* –
      - **RouteTableId** *(string)* –
      - **RouterId** *(string)* –

- **RouterName** *(string)* –
- **State** *(string)* –
- **TagSet** *(list)* –
- *(dict)* –
- **Key** *(string)* –
- **Value** *(string)* –
- **Type** *(string)* –
- **VersionInformation** *(dict)* –
- **IsLatest** *(boolean)* –
- **Version** *(string)* –

computing / Client / nifty_describe_scaling_activities

nifty_describe_scaling_activities

`computing.Client.`**`nifty_describe_scaling_activities`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_scaling_activities(
    ActivityDateFrom='string',
    ActivityDateTo='string',
    AutoScalingGroupName='string',
    Range={
        'All': True|False,
        'EndNumber': 123,
        'StartNumber': 123
    }
)
```

Parameters

- **ActivityDateFrom** (*string*) –
- **ActivityDateTo** (*string*) –
- **AutoScalingGroupName** (*string*) – **[REQUIRED]**
- **Range** (*dict*) –
  - **All** *(boolean)* –
  - **EndNumber** *(integer)* –
  - **StartNumber** *(integer)* –

Return type dict

Returns

Response Syntax

```
{
    'AutoScalingGroupName': 'string',
    'LogSet': [
        {
            'Details': {
                'ChangeInCapacity': 123,
                'CurrentServersCount': 123,
                'Resource': 'string',
                'ResourceValue': 123.0,
                'UpperThreshold': 123.0
            },
            'Process': 'string',
```

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```
            'Time': datetime(2015, 1, 1)
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **AutoScalingGroupName** *(string)* –
  - **LogSet** *(list)* –
    - *(dict)* –
      - **Details** *(dict)* –
      - **ChangeInCapacity** *(integer)* –
      - **CurrentServersCount** *(integer)* –
      - **Resource** *(string)* –
      - **ResourceValue** *(float)* –
      - **UpperThreshold** *(float)* –
      - **Process** *(string)* –
      - **Time** *(datetime)* –
  - **RequestId** *(string)* –

computing / Client / nifty_describe_separate_instance_rules

nifty_describe_separate_instance_rules

`computing.Client.`**`nifty_describe_separate_instance_rules`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_separate_instance_rules(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'description'|'instanceId'|'instanceUniqueId'
        },
    ],
    SeparateInstanceRuleName=[
        'string',
    ]
)
```

Parameters

- **`Filter`** *(`list`)* –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **`SeparateInstanceRuleName`** *(`list`)* –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'SeparateInstanceRulesInfo': [
        {
            'AvailabilityZone': 'string',
            'InstancesSet': [
                {
                    'InstanceId': 'string',
                    'InstanceUniqueId': 'string'
                },
            ],
            'SeparateInstanceRuleDescription': 'string',
            'SeparateInstanceRuleName': 'string',
            'SeparateInstanceRuleStatus': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **SeparateInstanceRulesInfo** *(list)* –
    - *(dict)* –
      - **AvailabilityZone** *(string)* –
      - **InstancesSet** *(list)* –
      - *(dict)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
      - **SeparateInstanceRuleDescription** *(string)* –
      - **SeparateInstanceRuleName** *(string)* –
      - **SeparateInstanceRuleStatus** *(string)* –

computing / Client / nifty_describe_vpn_gateway_activities

nifty_describe_vpn_gateway_activities

`computing.Client.`**`nifty_describe_vpn_gateway_activities`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_vpn_gateway_activities(
    NiftyVpnGatewayName='string',
    VpnGatewayId='string'
)
```

Parameters

- **NiftyVpnGatewayName** (*string*) –
- **VpnGatewayId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'AnalyzeResultSet': [
        {
            'AnalyzeCode': 'string',
            'Line': 'string'
        },
    ],
    'Log': 'string',
    'NiftyVpnGatewayName': 'string',
    'RequestId': 'string',
    'VpnGatewayId': 'string'
}
```

Response Structure

- *(dict)* –
  - **AnalyzeResultSet** *(list)* –
    - *(dict)* –
      - **AnalyzeCode** *(string)* –
      - **Line** *(string)* –
  - **Log** *(string)* –
  - **NiftyVpnGatewayName** *(string)* –
  - **RequestId** *(string)* –
  - **VpnGatewayId** *(string)* –

computing / Client / nifty_describe_web_proxies

nifty_describe_web_proxies

`computing.Client.`**`nifty_describe_web_proxies`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_describe_web_proxies(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'router-id'|'router-name'|'listen-network-id'|'listen-network-
↪name'|'listen-port'|'proxy-bypass-network-id'|'proxy-bypass-network-name'|
↪'option-name-server'
        },
    ],
    RouterId=[
        'string',
    ],
    RouterName=[
        'string',
    ]
)
```

Parameters

- **`Filter`** *(list)* –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –

            - *(string)* –
        - **Name** *(string)* –
    - **RouterId** (*list*) –
        - *(string)* –
    - **RouterName** (*list*) –
        - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'WebProxy': [
        {
            'BypassInterface': {
                'NetworkId': 'string',
                'NetworkName': 'string'
            },
            'Description': 'string',
            'ListenInterface': {
                'NetworkId': 'string',
                'NetworkName': 'string'
            },
            'ListenPort': 'string',
            'Option': {
                'NameServer': 'string'
            },
            'RouterId': 'string',
            'RouterName': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
    - **RequestId** *(string)* –
    - **WebProxy** *(list)* –
        - *(dict)* –
            - **BypassInterface** *(dict)* –
            - **NetworkId** *(string)* –
            - **NetworkName** *(string)* –
            - **Description** *(string)* –
            - **ListenInterface** *(dict)* –
            - **NetworkId** *(string)* –
            - **NetworkName** *(string)* –
            - **ListenPort** *(string)* –
            - **Option** *(dict)* –
            - **NameServer** *(string)* –
            - **RouterId** *(string)* –
            - **RouterName** *(string)* –

computing / Client / nifty_disable_dhcp

nifty_disable_dhcp

computing.Client.**nifty_disable_dhcp**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_disable_dhcp(
    Agreement=True|False,
    NetworkId='string',
    NetworkName='string',
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **NetworkId** (*string*) –
- **NetworkName** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_disassociate_nat_table

nifty_disassociate_nat_table

computing.Client.**nifty_disassociate_nat_table**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_disassociate_nat_table(
    Agreement=True|False,
    AssociationId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **AssociationId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_disassociate_route_table_from_elastic_load_balancer

nifty_disassociate_route_table_from_elastic_load_balancer

`computing.Client.`**`nifty_disassociate_route_table_from_elastic_load_balancer`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_disassociate_route_table_from_elastic_load_balancer(
    AssociationId='string'
)
```

Parameters **`AssociationId`** *(string)* – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_disassociate_route_table_from_vpn_gateway

nifty_disassociate_route_table_from_vpn_gateway

`computing.Client.`**`nifty_disassociate_route_table_from_vpn_gateway`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_disassociate_route_table_from_vpn_gateway(
    Agreement=True|False,
    AssociationId='string'
)
```

Parameters

- **`Agreement`** *(boolean)* –
- **`AssociationId`** *(string)* – **[REQUIRED]**

Return type dict
Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_enable_dhcp

nifty_enable_dhcp

`computing.Client.`**`nifty_enable_dhcp`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_enable_dhcp(
    Agreement=True|False,
    DhcpConfigId='string',
    DhcpOptionsId='string',
    NetworkId='string',
    NetworkName='string',
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **DhcpConfigId** (*string*) –
- **DhcpOptionsId** (*string*) –
- **NetworkId** (*string*) –
- **NetworkName** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict
Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_modify_address_attribute

nifty_modify_address_attribute

`computing.Client.nifty_modify_address_attribute(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_modify_address_attribute(
    Attribute='description',
    PrivateIpAddress='string',
    PublicIp='string',
    Value='string'
)
```

Parameters

- **Attribute** (*string*) – **[REQUIRED]**
- **PrivateIpAddress** (*string*) –
- **PublicIp** (*string*) –
- **Value** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_modify_customer_gateway_attribute

nifty_modify_customer_gateway_attribute

`computing.Client.nifty_modify_customer_gateway_attribute(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_modify_customer_gateway_attribute(
    Attribute='niftyCustomerGatewayName'|'niftyCustomerGatewayDescription',
    CustomerGatewayId='string',
    NiftyCustomerGatewayName='string',
    Value='string'
)
```

Parameters

- **Attribute** (*string*) – **[REQUIRED]**
- **CustomerGatewayId** (*string*) –
- **NiftyCustomerGatewayName** (*string*) –
- **Value** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_modify_elastic_load_balancer_attributes

nifty_modify_elastic_load_balancer_attributes

`computing.Client.`**`nifty_modify_elastic_load_balancer_attributes`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_modify_elastic_load_balancer_attributes(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    InstancePort=123,
    LoadBalancerAttributes={
        'ListOfRequestAdditionalAttributes': [
            {
                'Key': 'protocol'|'elasticLoadBalancerPort'|'instancePort'|
↪'description'|'balancingType'|'sslCertificateId',
                'Value': 'string'
            },
        ],
        'RequestSession': {
            'RequestStickinessPolicy': {
                'Enable': True|False,
                'ExpirationPeriod': 123,
                'Method': '1'|'2'
            }
        },
        'RequestSorryPage': {
            'Enable': True|False,
            'RedirectUrl': 'string'
        }
    },
    Protocol='TCP'|'UDP'|'HTTP'|'HTTPS'
)
```

Parameters

- **ElasticLoadBalancerId** *(string)* –
- **ElasticLoadBalancerName** *(string)* –
- **ElasticLoadBalancerPort** *(integer)* – **[REQUIRED]**
- **InstancePort** *(integer)* – **[REQUIRED]**
- **LoadBalancerAttributes** *(dict)* –
  - **ListOfRequestAdditionalAttributes** *(list)* –

        * *(dict)* –
            · **Key** *(string)* –
            · **Value** *(string)* –
    - **RequestSession** *(dict)* –
        * **RequestStickinessPolicy** *(dict)* –
            · **Enable** *(boolean)* –
            · **ExpirationPeriod** *(integer)* –
            · **Method** *(string)* –
    - **RequestSorryPage** *(dict)* –
        * **Enable** *(boolean)* –
        * **RedirectUrl** *(string)* –
- **Protocol** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
    - **ResponseMetadata** *(dict)* –
        * **RequestId** *(string)* –

computing / Client / nifty_modify_instance_snapshot_attribute

nifty_modify_instance_snapshot_attribute

computing.Client.**nifty_modify_instance_snapshot_attribute**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_modify_instance_snapshot_attribute(
    Attribute='description',
    InstanceSnapshotId='string',
    SnapshotName='string',
    Value='string'
)
```

Parameters

- **Attribute** (*string*) – **[REQUIRED]**
- **InstanceSnapshotId** (*string*) –
- **SnapshotName** (*string*) –
- **Value** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
```

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```
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_modify_key_pair_attribute

nifty_modify_key_pair_attribute

`computing.Client.`**`nifty_modify_key_pair_attribute`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_modify_key_pair_attribute(
    Attribute='description',
    KeyName='string',
    Value='string'
)
```

Parameters

- **`Attribute`** (*`string`*) – **[REQUIRED]**
- **`KeyName`** (*`string`*) – **[REQUIRED]**
- **`Value`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Attribute': 'string',
    'RequestId': 'string',
    'Return': True|False,
    'Value': 'string'
}
```

Response Structure

- *(dict)* –
  - **Attribute** *(string)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –
  - **Value** *(string)* –

computing / Client / nifty_modify_private_lan_attribute

nifty_modify_private_lan_attribute

`computing.Client.`**`nifty_modify_private_lan_attribute`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_modify_private_lan_attribute(
    Attribute='privateLanName'|'cidrBlock'|'accountingType'|'description',
    NetworkId='string',
    PrivateLanName='string',
    Value='string'
)
```

Parameters

- **Attribute** (*string*) – **[REQUIRED]**
- **NetworkId** (*string*) –
- **PrivateLanName** (*string*) –
- **Value** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_modify_router_attribute

nifty_modify_router_attribute

computing.Client.**nifty_modify_router_attribute**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_modify_router_attribute(
    Agreement=True|False,
    Attribute='routerName'|'description'|'accountingType'|'type'|'groupId',
    RouterId='string',
    RouterName='string',
    Value='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **Attribute** (*string*) – **[REQUIRED]**
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **Value** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_modify_vpn_gateway_attribute

nifty_modify_vpn_gateway_attribute

`computing.Client.`**`nifty_modify_vpn_gateway_attribute`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_modify_vpn_gateway_attribute(
    Agreement=True|False,
    Attribute='niftyVpnGatewayName'|'niftyVpnGatewayType'|
↪'niftyVpnGatewayDescription'|'niftyVpnGatewayAccountingType'|'groupId',
    NiftyVpnGatewayName='string',
    Value='string',
    VpnGatewayId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **Attribute** (*string*) – **[REQUIRED]**
- **NiftyVpnGatewayName** (*string*) –
- **Value** (*string*) – **[REQUIRED]**
- **VpnGatewayId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_modify_web_proxy_attribute

nifty_modify_web_proxy_attribute

`computing.Client.`**`nifty_modify_web_proxy_attribute`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_modify_web_proxy_attribute(
    Agreement=True|False,
    Attribute='listenInterface.NetworkId'|'listenInterface.NetworkName'|
↪'listenPort'|'bypassInterface.NetworkId'|'bypassInterface.NetworkName'|'option-
↪nameServer'|'description',
    RouterId='string',
    RouterName='string',
    Value='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **Attribute** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **Value** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_reboot_routers

nifty_reboot_routers

`computing.Client.`**`nifty_reboot_routers`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_reboot_routers(
    Router=[
        {
            'NiftyReboot': 'force'|'true',
            'RouterId': 'string',
            'RouterName': 'string'
        },
    ]
)
```

Parameters **Router** (*list*) –

- *(dict)* –
  - **NiftyReboot** *(string)* –
  - **RouterId** *(string)* –
  - **RouterName** *(string)* –

Return type dict
Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure
- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_reboot_vpn_gateways

nifty_reboot_vpn_gateways

`computing.Client.`**`nifty_reboot_vpn_gateways`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_reboot_vpn_gateways(
    VpnGateway=[
        {
            'NiftyReboot': 'force'|'true',
            'NiftyVpnGatewayName': 'string',
            'VpnGatewayId': 'string'
        },
    ]
)
```

Parameters **VpnGateway** *(list)* –
- *(dict)* –
  - **NiftyReboot** *(string)* –
  - **NiftyVpnGatewayName** *(string)* –
  - **VpnGatewayId** *(string)* –

Return type dict
Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure
- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_register_instances_with_elastic_load_balancer

nifty_register_instances_with_elastic_load_balancer

`computing.Client.nifty_register_instances_with_elastic_load_balancer(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_register_instances_with_elastic_load_balancer(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    InstancePort=123,
    Instances=[
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    Protocol='TCP'|'UDP'|'HTTP'|'HTTPS'
)
```

Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) – **[REQUIRED]**
- **InstancePort** (*integer*) – **[REQUIRED]**
- **Instances** (*list*) –
  - *(dict)* –
    - **InstanceId** *(string)* –
    - **InstanceUniqueId** *(string)* –
- **Protocol** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NiftyRegisterInstancesWithElasticLoadBalancerResult': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NiftyRegisterInstancesWithElasticLoadBalancerResult** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / nifty_register_instances_with_separate_instance_rule

nifty_register_instances_with_separate_instance_rule

`computing.Client.nifty_register_instances_with_separate_instance_rule(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_register_instances_with_separate_instance_rule(
    InstanceId=[
        'string',
    ],
    InstanceUniqueId=[
        'string',
    ],
    SeparateInstanceRuleName='string'
)
```

Parameters

- **InstanceId** (*list*) –
  - *(string)* –
- **InstanceUniqueId** (*list*) –
  - *(string)* –
- **SeparateInstanceRuleName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'InstancesSet': [
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **InstancesSet** *(list)* –
    - *(dict)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
  - **RequestId** *(string)* –

computing / Client / nifty_register_port_with_elastic_load_balancer

nifty_register_port_with_elastic_load_balancer

computing.Client.**nifty_register_port_with_elastic_load_balancer**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_register_port_with_elastic_load_balancer(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    Listeners=[
        {
            'BalancingType': 123,
            'Description': 'string',
            'ElasticLoadBalancerPort': 123,
```

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```
            'InstancePort': 123,
            'Protocol': 'TCP'|'UDP'|'HTTP'|'HTTPS',
            'SSLCertificateId': 'string'
        },
    ]
)
```

Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **Listeners** (*list*) – **[REQUIRED]**
  - *(dict)* –
    - **BalancingType** *(integer)* –
    - **Description** *(string)* –
    - **ElasticLoadBalancerPort** *(integer)* – **[REQUIRED]**
    - **InstancePort** *(integer)* – **[REQUIRED]**
    - **Protocol** *(string)* – **[REQUIRED]**
    - **SSLCertificateId** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'NiftyRegisterPortWithElasticLoadBalancerResult': {
        'Listeners': [
            {
                'BalancingType': 123,
                'Description': 'string',
                'ElasticLoadBalancerPort': 123,
                'InstancePort': 123,
                'Protocol': 'string',
                'SSLCertificateId': 'string'
            },
        ]
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NiftyRegisterPortWithElasticLoadBalancerResult** *(dict)* –
    - **Listeners** *(list)* –
      - *(dict)* –
      - **BalancingType** *(integer)* –
      - **Description** *(string)* –
      - **ElasticLoadBalancerPort** *(integer)* –
      - **InstancePort** *(integer)* –
      - **Protocol** *(string)* –
      - **SSLCertificateId** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / nifty_register_routers_with_security_group

nifty_register_routers_with_security_group

`computing.Client.nifty_register_routers_with_security_group(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_register_routers_with_security_group(
    GroupName='string',
    RouterSet=[
        {
            'RouterId': 'string',
            'RouterName': 'string'
        },
    ]
)
```

Parameters

- **GroupName** (*string*) – **[REQUIRED]**
- **RouterSet** (*list*) –
  - *(dict)* –
    - **RouterId** *(string)* –
    - **RouterName** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'RouterSet': [
        {
            'RouterId': 'string',
            'RouterName': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **RouterSet** *(list)* –
    - *(dict)* –
      - **RouterId** *(string)* –
      - **RouterName** *(string)* –

computing / Client / nifty_register_vpn_gateways_with_security_group

nifty_register_vpn_gateways_with_security_group

`computing.Client.nifty_register_vpn_gateways_with_security_group(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_register_vpn_gateways_with_security_group(
    GroupName='string',
```

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```
    VpnGatewaySet=[
        {
            'NiftyVpnGatewayName': 'string',
            'VpnGatewayId': 'string'
        },
    ]
)
```

Parameters

- **GroupName** (*string*) – **[REQUIRED]**
- **VpnGatewaySet** (*list*) –
  - *(dict)* –
    - **NiftyVpnGatewayName** *(string)* –
    - **VpnGatewayId** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'VpnGatewaySet': [
        {
            'NiftyVpnGatewayName': 'string',
            'VpnGatewayId': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **VpnGatewaySet** *(list)* –
    - *(dict)* –
      - **NiftyVpnGatewayName** *(string)* –
      - **VpnGatewayId** *(string)* –

computing / Client / nifty_release_router_backup_state

nifty_release_router_backup_state

computing.Client.**nifty_release_router_backup_state**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_release_router_backup_state(
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_release_vpn_gateway_backup_state

nifty_release_vpn_gateway_backup_state

`computing.Client.`**`nifty_release_vpn_gateway_backup_state`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_release_vpn_gateway_backup_state(
    NiftyVpnGatewayName='string',
    VpnGatewayId='string'
)
```

Parameters

- **NiftyVpnGatewayName** (*string*) –
- **VpnGatewayId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_replace_dhcp_config

nifty_replace_dhcp_config

`computing.Client.`**`nifty_replace_dhcp_config`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_replace_dhcp_config(
    Agreement=True|False,
    DhcpConfigId='string',
    NetworkId='string',
    NetworkName='string',
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **DhcpConfigId** (*string*) – **[REQUIRED]**
- **NetworkId** (*string*) –
- **NetworkName** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_replace_dhcp_option

nifty_replace_dhcp_option

`computing.Client.`**`nifty_replace_dhcp_option`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_replace_dhcp_option(
    Agreement=True|False,
    DhcpOptionsId='string',
    NetworkId='string',
    NetworkName='string',
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **DhcpOptionsId** (*string*) – **[REQUIRED]**
- **NetworkId** (*string*) –
- **NetworkName** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict
Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_replace_elastic_load_balancer_latest_version

nifty_replace_elastic_load_balancer_latest_version

computing.Client.**nifty_replace_elastic_load_balancer_latest_version**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_replace_elastic_load_balancer_latest_version(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    NetworkInterface=[
        {
            'ListOfRequestSystemIpAddresses': [
                {
                    'SystemIpAddress': 'string'
                },
            ],
            'NetworkId': 'string'
        },
    ]
)
```

Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **NetworkInterface** (*list*) –
  - *(dict)* –
    - **ListOfRequestSystemIpAddresses** *(list)* –
      - *(dict)* –
      - **SystemIpAddress** *(string)* –
    - **NetworkId** *(string)* –

Return type dict
Returns

Response Syntax

```
{
    'NiftyReplaceElasticLoadBalancerLatestVersionResult': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
```

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```
    }
}
```

Response Structure

- *(dict)* –
  - **NiftyReplaceElasticLoadBalancerLatestVersionResult** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / nifty_replace_elastic_load_balancer_listener_ssl_certificate

nifty_replace_elastic_load_balancer_listener_ssl_certificate

`computing.Client.`**`nifty_replace_elastic_load_balancer_listener_ssl_certificate`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_replace_elastic_load_balancer_listener_ssl_certificate(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    InstancePort=123,
    Protocol='HTTPS',
    SSLCertificateId='string'
)
```

Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) – **[REQUIRED]**
- **InstancePort** (*integer*) – **[REQUIRED]**
- **Protocol** (*string*) – **[REQUIRED]**
- **SSLCertificateId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NiftyReplaceElasticLoadBalancerListenerSSLCertificateResult':
↪'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NiftyReplaceElasticLoadBalancerListenerSSLCertificateResult** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / nifty_replace_nat_rule

nifty_replace_nat_rule

computing.Client.**nifty_replace_nat_rule**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_replace_nat_rule(
    Description='string',
    Destination={
        'Port': 123
    },
    InboundInterface={
        'NetworkId': 'string',
        'NetworkName': 'string'
    },
    NatTableId='string',
    NatType='snat'|'dnat',
    OutboundInterface={
        'NetworkId': 'string',
        'NetworkName': 'string'
    },
    Protocol='ALL'|'TCP'|'UDP'|'TCP_UDP'|'ICMP',
    RuleNumber='string',
    Source={
        'Address': 'string',
        'Port': 123
    },
    Translation={
        'Address': 'string',
        'Port': 123
    }
)
```

Parameters

- **Description** (*string*) –
- **Destination** (*dict*) –
  - **Port** *(integer)* –
- **InboundInterface** (*dict*) –
  - **NetworkId** *(string)* –
  - **NetworkName** *(string)* –
- **NatTableId** (*string*) – **[REQUIRED]**
- **NatType** (*string*) – **[REQUIRED]**
- **OutboundInterface** (*dict*) –
  - **NetworkId** *(string)* –
  - **NetworkName** *(string)* –
- **Protocol** (*string*) – **[REQUIRED]**
- **RuleNumber** (*string*) – **[REQUIRED]**
- **Source** (*dict*) –
  - **Address** *(string)* –
  - **Port** *(integer)* –
- **Translation** (*dict*) –
  - **Address** *(string)* –
  - **Port** *(integer)* –

Return type dict

Returns

Response Syntax

```
{
    'NatRule': {
        'Description': 'string',
        'Destination': {
            'Port': 123
        },
        'InboundInterface': {
            'NetworkId': 'string',
            'NetworkName': 'string'
        },
        'NatType': 'string',
        'OutboundInterface': {
            'NetworkId': 'string',
            'NetworkName': 'string'
        },
        'Protocol': 'string',
        'RuleNumber': 'string',
        'Source': {
            'Address': 'string',
            'Port': 123
        },
        'Translation': {
            'Address': 'string',
            'Port': 123
        }
    },
    'NatTableId': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **NatRule** *(dict)* –
    - **Description** *(string)* –
    - **Destination** *(dict)* –
      - **Port** *(integer)* –
    - **InboundInterface** *(dict)* –
      - **NetworkId** *(string)* –
      - **NetworkName** *(string)* –
    - **NatType** *(string)* –
    - **OutboundInterface** *(dict)* –
      - **NetworkId** *(string)* –
      - **NetworkName** *(string)* –
    - **Protocol** *(string)* –
    - **RuleNumber** *(string)* –
    - **Source** *(dict)* –
      - **Address** *(string)* –
      - **Port** *(integer)* –
    - **Translation** *(dict)* –
      - **Address** *(string)* –
      - **Port** *(integer)* –
  - **NatTableId** *(string)* –
  - **RequestId** *(string)* –

computing / Client / nifty_replace_nat_table_association

nifty_replace_nat_table_association

computing.Client.**nifty_replace_nat_table_association**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_replace_nat_table_association(
    Agreement=True|False,
    AssociationId='string',
    NatTableId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **AssociationId** (*string*) – **[REQUIRED]**
- **NatTableId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NewAssociationId': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **NewAssociationId** *(string)* –
  - **RequestId** *(string)* –

computing / Client / nifty_replace_route_table_association_with_elastic_load_balancer

nifty_replace_route_table_association_with_elastic_load_balancer

computing.Client.**nifty_replace_route_table_association_with_elastic_load_balancer**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_replace_route_table_association_with_elastic_load_
↪balancer(
    AssociationId='string',
    RouteTableId='string'
)
```

Parameters

- **AssociationId** (*string*) – **[REQUIRED]**
- **RouteTableId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
```

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```
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_replace_route_table_association_with_vpn_gateway

nifty_replace_route_table_association_with_vpn_gateway

`computing.Client.`**`nifty_replace_route_table_association_with_vpn_gateway`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_replace_route_table_association_with_vpn_gateway(
    Agreement=True|False,
    AssociationId='string',
    RouteTableId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **AssociationId** (*string*) – **[REQUIRED]**
- **RouteTableId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NewAssociationId': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **NewAssociationId** *(string)* –
  - **RequestId** *(string)* –

computing / Client / nifty_replace_router_latest_version

nifty_replace_router_latest_version

`computing.Client.`**`nifty_replace_router_latest_version`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_replace_router_latest_version(
    Agreement=True|False,
    RouterId='string',
```

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```
    RouterName='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_replace_vpn_gateway_latest_version

nifty_replace_vpn_gateway_latest_version

computing.Client.**nifty_replace_vpn_gateway_latest_version**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_replace_vpn_gateway_latest_version(
    Agreement=True|False,
    NiftyVpnGatewayName='string',
    VpnGatewayId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **NiftyVpnGatewayName** (*string*) –
- **VpnGatewayId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_restore_instance_snapshot

nifty_restore_instance_snapshot

`computing.Client.nifty_restore_instance_snapshot(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_restore_instance_snapshot(
    InstanceSnapshotId='string',
    SnapshotName='string'
)
```

Parameters

- **InstanceSnapshotId** (*string*) –
- **SnapshotName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_restore_router_previous_version

nifty_restore_router_previous_version

`computing.Client.nifty_restore_router_previous_version(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_restore_router_previous_version(
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_restore_vpn_gateway_previous_version

nifty_restore_vpn_gateway_previous_version

`computing.Client.`**`nifty_restore_vpn_gateway_previous_version`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_restore_vpn_gateway_previous_version(
    NiftyVpnGatewayName='string',
    VpnGatewayId='string'
)
```

Parameters

- **NiftyVpnGatewayName** *(string)* –
- **VpnGatewayId** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_retry_import_instance

nifty_retry_import_instance

`computing.Client.`**`nifty_retry_import_instance`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_retry_import_instance(
    InstanceId='string',
    InstanceUniqueId='string'
)
```

Parameters

- **InstanceId** *(string)* –
- **InstanceUniqueId** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'InstanceId': 'string',
    'InstanceState': 'string',
    'InstanceUniqueId': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **InstanceId** *(string)* –
  - **InstanceState** *(string)* –
  - **InstanceUniqueId** *(string)* –
  - **RequestId** *(string)* –

computing / Client / nifty_set_load_balancer_ssl_policies_of_listener

nifty_set_load_balancer_ssl_policies_of_listener

`computing.Client.`**`nifty_set_load_balancer_ssl_policies_of_listener`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_set_load_balancer_ssl_policies_of_listener(
    InstancePort=123,
    LoadBalancerName='string',
    LoadBalancerPort=123,
    SSLPolicyId='string',
    SSLPolicyName='string'
)
```

Parameters

- **InstancePort** (*integer*) – **[REQUIRED]**
- **LoadBalancerName** (*string*) – **[REQUIRED]**
- **LoadBalancerPort** (*integer*) – **[REQUIRED]**
- **SSLPolicyId** (*string*) –
- **SSLPolicyName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / nifty_unset_load_balancer_ssl_policies_of_listener

nifty_unset_load_balancer_ssl_policies_of_listener

computing.Client.**nifty_unset_load_balancer_ssl_policies_of_listener**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_unset_load_balancer_ssl_policies_of_listener(
    InstancePort=123,
    LoadBalancerName='string',
    LoadBalancerPort=123
)
```

Parameters

- **InstancePort** (*integer*) – **[REQUIRED]**
- **LoadBalancerName** (*string*) – **[REQUIRED]**
- **LoadBalancerPort** (*integer*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / nifty_update_alarm

nifty_update_alarm

computing.Client.**nifty_update_alarm**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_update_alarm(
    AlarmCondition='and'|'or',
    Description='string',
    ElasticLoadBalancerName=[
        'string',
    ],
    ElasticLoadBalancerPort=[
        123,
    ],
    ElasticLoadBalancerProtocol=[
        'string',
    ],
    EmailAddress=[
        'string',
    ],
```

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```
    FunctionName='Server'|'LoadBalancer'|'DiskPartition'|'ElasticLoadBalancer',
    InstanceId=[
        'string',
    ],
    LoadBalancerName=[
        'string',
    ],
    LoadBalancerPort=[
        123,
    ],
    Partition=[
        'string',
    ],
    Rule=[
        {
            'BreachDuration': 123,
            'DataType': 'string',
            'Threshold': 123.0,
            'UpperLowerCondition': 'upper'|'lower'
        },
    ],
    RuleName='string',
    RuleNameUpdate='string'
)
```

Parameters

- **AlarmCondition** (*string*) –
- **Description** (*string*) –
- **ElasticLoadBalancerName** (*list*) –
  - *(string)* –
- **ElasticLoadBalancerPort** (*list*) –
  - *(integer)* –
- **ElasticLoadBalancerProtocol** (*list*) –
  - *(string)* –
- **EmailAddress** (*list*) –
  - *(string)* –
- **FunctionName** (*string*) – **[REQUIRED]**
- **InstanceId** (*list*) –
  - *(string)* –
- **LoadBalancerName** (*list*) –
  - *(string)* –
- **LoadBalancerPort** (*list*) –
  - *(integer)* –
- **Partition** (*list*) –
  - *(string)* –
- **Rule** (*list*) – **[REQUIRED]**
  - *(dict)* –
    - **BreachDuration** *(integer)* – **[REQUIRED]**
    - **DataType** *(string)* –
    - **Threshold** *(float)* –
    - **UpperLowerCondition** *(string)* –
- **RuleName** (*string*) – **[REQUIRED]**
- **RuleNameUpdate** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_update_auto_scaling_group

nifty_update_auto_scaling_group

computing.Client.**nifty_update_auto_scaling_group**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_update_auto_scaling_group(
    AutoScalingGroupName='string',
    AutoScalingGroupNameUpdate='string',
    ChangeInCapacity=123,
    DefaultCooldown=123,
    Description='string',
    ImageId='string',
    InstanceLifecycleLimit=123,
    InstanceType='e-mini'|'h2-mini'|'mini'|'c-small'|'e-small'|'h2-small'|'small'|
↪'c-small2'|'e-small2'|'h2-small2'|'small2'|'c-small4'|'e-small4'|'h2-small4'|
↪'small4'|'e-small8'|'h2-small8'|'small8'|'e-small16'|'h2-small16'|'small16'|'c-
↪medium'|'e-medium'|'h2-medium'|'medium'|'c-medium4'|'e-medium4'|'h2-medium4'|
↪'medium4'|'c-medium8'|'e-medium8'|'h2-medium8'|'medium8'|'e-medium16'|'h2-
↪medium16'|'medium16'|'e-medium24'|'h2-medium24'|'medium24'|'c-large'|'e-large'|
↪'h2-large'|'large'|'c-large8'|'e-large8'|'h2-large8'|'large8'|'e-large16'|'h2-
↪large16'|'large16'|'e-large24'|'h2-large24'|'large24'|'e-large32'|'h2-large32'|
↪'large32'|'e-extra-large8'|'h2-extra-large8'|'extra-large8'|'e-extra-large16'|
↪'h2-extra-large16'|'extra-large16'|'e-extra-large24'|'h2-extra-large24'|'extra-
↪large24'|'e-extra-large32'|'h2-extra-large32'|'extra-large32'|'e-extra-large48'|
↪'h2-extra-large48'|'extra-large48'|'e-double-large16'|'h2-double-large16'|
↪'double-large16'|'e-double-large24'|'h2-double-large24'|'double-large24'|'e-
↪double-large32'|'h2-double-large32'|'double-large32'|'e-double-large48'|'h2-
↪double-large48'|'double-large48'|'e-double-large64'|'h2-double-large64'|'double-
↪large64'|'e-double-large96'|'h2-double-large96'|'double-large96'|'h2-triple-
↪large32'|'triple-large32'|'h2-triple-large48'|'triple-large48'|'h2-triple-
↪large64'|'triple-large64'|'h2-triple-large96'|'triple-large96'|'h2-triple-
↪large128'|'triple-large128'|'h2-quad-large64'|'quad-large64'|'h2-quad-large96'|
↪'quad-large96'|'h2-quad-large128'|'quad-large128'|'h2-septa-large128'|'septa-
↪large128',
    LoadBalancers=[
        {
            'InstancePort': 123,
            'LoadBalancerPort': 123,
            'Name': 'string'
        },
    ],
```

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```
    MaxSize=123,
    MinSize=123,
    Scaleout=123,
    ScaleoutCondition='or'|'and',
    ScalingSchedule=[
        {
            'RequestDDay': {
                'EndingDDay': 'string',
                'StartingDDay': 'string'
            },
            'RequestDay': {
                'SetFriday': '0'|'1',
                'SetMonday': '0'|'1',
                'SetSaturday': '0'|'1',
                'SetSunday': '0'|'1',
                'SetThursday': '0'|'1',
                'SetTuesday': '0'|'1',
                'SetWednesday': '0'|'1'
            },
            'RequestMonth': {
                'EndingMonth': 'string',
                'StartingMonth': 'string'
            },
            'RequestTimeZone': {
                'EndingTimeZone': 'string',
                'StartingTimeZone': 'string'
            }
        },
    ],
    ScalingTrigger=[
        {
            'BreachDuration': 123,
            'Resource': 'Server-cpu'|'Server-memory'|'Server-network'|
↪'LoadBalancer-network',
            'UpperThreshold': 123.0
        },
    ],
    SecurityGroup=[
        'string',
    ]
)
```

Parameters

- **AutoScalingGroupName** (*string*) – **[REQUIRED]**
- **AutoScalingGroupNameUpdate** (*string*) –
- **ChangeInCapacity** (*integer*) – **[REQUIRED]**
- **DefaultCooldown** (*integer*) –
- **Description** (*string*) –
- **ImageId** (*string*) –
- **InstanceLifecycleLimit** (*integer*) –
- **InstanceType** (*string*) –
- **LoadBalancers** (*list*) –
  - *(dict)* –
    - **InstancePort** *(integer)* –
    - **LoadBalancerPort** *(integer)* –
    - **Name** *(string)* –

- **MaxSize** (*integer*) – **[REQUIRED]**
- **MinSize** (*integer*) – **[REQUIRED]**
- **Scaleout** (*integer*) –
- **ScaleoutCondition** (*string*) – **[REQUIRED]**
- **ScalingSchedule** (*list*) –
  - *(dict)* –
    - **RequestDDay** *(dict)* –
      - **EndingDDay** *(string)* –
      - **StartingDDay** *(string)* –
    - **RequestDay** *(dict)* –
      - **SetFriday** *(string)* –
      - **SetMonday** *(string)* –
      - **SetSaturday** *(string)* –
      - **SetSunday** *(string)* –
      - **SetThursday** *(string)* –
      - **SetTuesday** *(string)* –
      - **SetWednesday** *(string)* –
    - **RequestMonth** *(dict)* –
      - **EndingMonth** *(string)* –
      - **StartingMonth** *(string)* –
    - **RequestTimeZone** *(dict)* –
      - **EndingTimeZone** *(string)* –
      - **StartingTimeZone** *(string)* –
- **ScalingTrigger** (*list*) – **[REQUIRED]**
  - *(dict)* –
    - **BreachDuration** *(integer)* –
    - **Resource** *(string)* – **[REQUIRED]**
    - **UpperThreshold** *(float)* – **[REQUIRED]**
- **SecurityGroup** (*list*) –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_update_elastic_load_balancer

nifty_update_elastic_load_balancer

`computing.Client.`**`nifty_update_elastic_load_balancer`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_update_elastic_load_balancer(
    AccountingTypeUpdate=123,
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerNameUpdate='string',
    NetworkVolumeUpdate=123
)
```

Parameters

- **AccountingTypeUpdate** (*integer*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerNameUpdate** (*string*) –
- **NetworkVolumeUpdate** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / nifty_update_instance_network_interfaces

nifty_update_instance_network_interfaces

computing.Client.**nifty_update_instance_network_interfaces**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_update_instance_network_interfaces(
    InstanceId='string',
    NetworkInterface=[
        {
            'DeviceIndex': 123,
            'IpAddress': 'string',
            'ListOfRequestSecurityGroupId': [
                'string',
            ],
            'NetworkId': 'string',
            'NetworkName': 'string'
        },
    ],
    NiftyReboot='force'|'true'|'false'
)
```

Parameters

- **InstanceId** (*string*) – **[REQUIRED]**

- **NetworkInterface** (*list*) –
  - *(dict)* –
    - **DeviceIndex** *(integer)* –
    - **IpAddress** *(string)* –
    - **ListOfRequestSecurityGroupId** *(list)* –
      - *(string)* –
    - **NetworkId** *(string)* –
    - **NetworkName** *(string)* –
- **NiftyReboot** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_update_router_network_interfaces

nifty_update_router_network_interfaces

computing.Client.**nifty_update_router_network_interfaces**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_update_router_network_interfaces(
    Agreement=True|False,
    NetworkInterface=[
        {
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpConfigId': 'string',
            'DhcpOptionsId': 'string',
            'IpAddress': 'string',
            'ListOfRequestSecurityGroupId': [
                'string',
            ],
            'NetworkId': 'string',
            'NetworkName': 'string'
        },
    ],
    NiftyReboot='force'|'true',
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **NetworkInterface** (*list*) –

- *(dict)* –
  - **DeviceIndex** *(integer)* –
  - **Dhcp** *(boolean)* –
  - **DhcpConfigId** *(string)* –
  - **DhcpOptionsId** *(string)* –
  - **IpAddress** *(string)* –
  - **ListOfRequestSecurityGroupId** *(list)* –
    - *(string)* –
  - **NetworkId** *(string)* –
  - **NetworkName** *(string)* –
- **NiftyReboot** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / nifty_update_separate_instance_rule

nifty_update_separate_instance_rule

computing.Client.**nifty_update_separate_instance_rule**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_update_separate_instance_rule(
    SeparateInstanceRuleDescriptionUpdate='string',
    SeparateInstanceRuleName='string',
    SeparateInstanceRuleNameUpdate='string'
)
```

Parameters

- **SeparateInstanceRuleDescriptionUpdate** (*string*) –
- **SeparateInstanceRuleName** (*string*) – **[REQUIRED]**
- **SeparateInstanceRuleNameUpdate** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': 'string'
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(string)* –

computing / Client / nifty_update_vpn_gateway_network_interfaces

nifty_update_vpn_gateway_network_interfaces

`computing.Client.`**`nifty_update_vpn_gateway_network_interfaces`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_update_vpn_gateway_network_interfaces(
    Agreement=True|False,
    NetworkInterface={
        'IpAddress': 'string'
    },
    NiftyReboot='force'|'true',
    NiftyVpnGatewayName='string',
    VpnGatewayId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **NetworkInterface** (*dict*) –
  - **IpAddress** *(string)* –
- **NiftyReboot** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **VpnGatewayId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / reboot_instances

reboot_instances

`computing.Client.`**`reboot_instances`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.reboot_instances(
    Force=True|False,
    InstanceId=[
        'string',
    ],
    NiftyIsBios=True|False,
    Tenancy=[
        'string',
    ],
    UserData={
        'Content': 'string',
        'Encoding': 'string'
    }
)
```

Parameters

- **Force** (*boolean*) –
- **InstanceId** (*list*) – **[REQUIRED]**
  - *(string)* –
- **NiftyIsBios** (*boolean*) –
- **Tenancy** (*list*) –
  - *(string)* –
- **UserData** (*dict*) –
  - **Content** *(string)* –
  - **Encoding** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / reboot_remote_access_vpn_gateway

reboot_remote_access_vpn_gateway

computing.Client.**reboot_remote_access_vpn_gateway**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.reboot_remote_access_vpn_gateway(
    NiftyReboot='force'|'true',
    RemoteAccessVpnGatewayId='string'
)
```

Parameters

- **NiftyReboot** (*string*) –

- **RemoteAccessVpnGatewayId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / refresh_instance_backup_rule

refresh_instance_backup_rule

computing.Client.**refresh_instance_backup_rule**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.refresh_instance_backup_rule(
    InstanceBackupRuleId='string'
)
```

Parameters **InstanceBackupRuleId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / register_corporate_info_for_certificate

register_corporate_info_for_certificate

computing.Client.**register_corporate_info_for_certificate**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.register_corporate_info_for_certificate(
    Agreement=True|False,
    AlphabetName1='string',
```

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```
    AlphabetName2='string',
    City='string',
    CorpGrade='string',
    CorpName='string',
    DivisionName='string',
    EmailAddress='string',
    KanaName1='string',
    KanaName2='string',
    Name1='string',
    Name2='string',
    PhoneNumber='string',
    PostName='string',
    Pref='string',
    PresidentName1='string',
    PresidentName2='string',
    TdbCode='string',
    Zip1='string',
    Zip2='string'
)
```

Parameters

- **Agreement** (*boolean*) – **[REQUIRED]**
- **AlphabetName1** (*string*) – **[REQUIRED]**
- **AlphabetName2** (*string*) – **[REQUIRED]**
- **City** (*string*) – **[REQUIRED]**
- **CorpGrade** (*string*) – **[REQUIRED]**
- **CorpName** (*string*) – **[REQUIRED]**
- **DivisionName** (*string*) – **[REQUIRED]**
- **EmailAddress** (*string*) – **[REQUIRED]**
- **KanaName1** (*string*) – **[REQUIRED]**
- **KanaName2** (*string*) – **[REQUIRED]**
- **Name1** (*string*) – **[REQUIRED]**
- **Name2** (*string*) – **[REQUIRED]**
- **PhoneNumber** (*string*) – **[REQUIRED]**
- **PostName** (*string*) – **[REQUIRED]**
- **Pref** (*string*) – **[REQUIRED]**
- **PresidentName1** (*string*) – **[REQUIRED]**
- **PresidentName2** (*string*) – **[REQUIRED]**
- **TdbCode** (*string*) –
- **Zip1** (*string*) – **[REQUIRED]**
- **Zip2** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'AlphabetName1': 'string',
    'AlphabetName2': 'string',
    'City': 'string',
    'CorpGrade': 'string',
    'CorpName': 'string',
    'DivisionName': 'string',
    'EmailAddress': 'string',
    'KanaName1': 'string',
```

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```
    'KanaName2': 'string',
    'Name1': 'string',
    'Name2': 'string',
    'PhoneNumber': 'string',
    'PostName': 'string',
    'Pref': 'string',
    'PresidentName1': 'string',
    'PresidentName2': 'string',
    'RequestId': 'string',
    'TdbCode': 'string',
    'Zip1': 'string',
    'Zip2': 'string'
}
```

Response Structure

- *(dict)* –
  - **AlphabetName1** *(string)* –
  - **AlphabetName2** *(string)* –
  - **City** *(string)* –
  - **CorpGrade** *(string)* –
  - **CorpName** *(string)* –
  - **DivisionName** *(string)* –
  - **EmailAddress** *(string)* –
  - **KanaName1** *(string)* –
  - **KanaName2** *(string)* –
  - **Name1** *(string)* –
  - **Name2** *(string)* –
  - **PhoneNumber** *(string)* –
  - **PostName** *(string)* –
  - **Pref** *(string)* –
  - **PresidentName1** *(string)* –
  - **PresidentName2** *(string)* –
  - **RequestId** *(string)* –
  - **TdbCode** *(string)* –
  - **Zip1** *(string)* –
  - **Zip2** *(string)* –

computing / Client / register_instances_with_load_balancer

register_instances_with_load_balancer

`computing.Client.`**`register_instances_with_load_balancer`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.register_instances_with_load_balancer(
    InstancePort=123,
    Instances=[
        {
            'InstanceId': 'string'
        },
    ],
    LoadBalancerName='string',
```

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```
    LoadBalancerPort=123
)
```

Parameters

- **InstancePort** (*integer*) – **[REQUIRED]**
- **Instances** (*list*) – **[REQUIRED]**
  - *(dict)* –
    - **InstanceId** *(string)* – **[REQUIRED]**
- **LoadBalancerName** (*string*) – **[REQUIRED]**
- **LoadBalancerPort** (*integer*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RegisterInstancesWithLoadBalancerResult': {
        'Instances': [
            {
                'InstanceId': 'string',
                'InstanceUniqueId': 'string'
            },
        ]
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **RegisterInstancesWithLoadBalancerResult** *(dict)* –
    - **Instances** *(list)* –
      - *(dict)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / register_instances_with_security_group

register_instances_with_security_group

`computing.Client.`**`register_instances_with_security_group`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.register_instances_with_security_group(
    GroupName='string',
    InstanceId=[
        'string',
    ]
)
```

Parameters

- **GroupName** (*string*) – **[REQUIRED]**
- **InstanceId** (*list*) – **[REQUIRED]**
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'InstancesSet': [
        {
            'InstanceId': 'string'
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **InstancesSet** *(list)* –
    - *(dict)* –
      - **InstanceId** *(string)* –
  - **RequestId** *(string)* –

computing / Client / register_port_with_load_balancer

register_port_with_load_balancer

computing.Client.**register_port_with_load_balancer**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.register_port_with_load_balancer(
    Listeners=[
        {
            'BalancingType': 123,
            'InstancePort': 123,
            'LoadBalancerPort': 123,
            'Protocol': 'HTTP'|'HTTPS'|'FTP'
        },
    ],
    LoadBalancerName='string'
)
```

Parameters

- **Listeners** (*list*) –
  - *(dict)* –
    - **BalancingType** *(integer)* –
    - **InstancePort** *(integer)* –
    - **LoadBalancerPort** *(integer)* –
    - **Protocol** *(string)* –
- **LoadBalancerName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RegisterPortWithLoadBalancerResult': {
        'Listeners': [
            {
                'BalancingType': 123,
                'InstancePort': 123,
                'LoadBalancerPort': 123,
                'Protocol': 'string'
            },
        ]
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **RegisterPortWithLoadBalancerResult** *(dict)* –
    - **Listeners** *(list)* –
      - *(dict)* –
      - **BalancingType** *(integer)* –
      - **InstancePort** *(integer)* –
      - **LoadBalancerPort** *(integer)* –
      - **Protocol** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

computing / Client / release_address

release_address

`computing.Client.release_address(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.release_address(
    AllocationId='string',
    PrivateIpAddress='string',
    PublicIp='string'
)
```

Parameters

- **AllocationId** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PublicIp** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / release_multi_ip_addresses

release_multi_ip_addresses

`computing.Client.`**`release_multi_ip_addresses`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.release_multi_ip_addresses(
    IpAddress=[
        'string',
    ],
    MultiIpAddressGroupId='string'
)
```

Parameters

- **IpAddress** (*list*) – **[REQUIRED]**
  - *(string)* –
- **MultiIpAddressGroupId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / replace_remote_access_vpn_gateway_latest_version

replace_remote_access_vpn_gateway_latest_version

`computing.Client.`**`replace_remote_access_vpn_gateway_latest_version`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.replace_remote_access_vpn_gateway_latest_version(
    RemoteAccessVpnGatewayId='string'
)
```

Parameters **RemoteAccessVpnGatewayId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / replace_route

replace_route

`computing.Client.`**`replace_route`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.replace_route(
    DestinationCidrBlock='string',
    GatewayId='string',
    InstanceId='string',
    IpAddress='string',
    NetworkId='string',
    NetworkInterfaceId='string',
    NetworkName='string',
    RouteTableId='string',
    VpcPeeringConnectionId='string'
)
```

Parameters

- **DestinationCidrBlock** (*string*) – **[REQUIRED]**
- **GatewayId** (*string*) –
- **InstanceId** (*string*) –
- **IpAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **RouteTableId** (*string*) – **[REQUIRED]**
- **VpcPeeringConnectionId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –

- **RequestId** *(string)* –
- **Return** *(boolean)* –

computing / Client / replace_route_table_association

replace_route_table_association

`computing.Client.`**`replace_route_table_association`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.replace_route_table_association(
    Agreement=True|False,
    AssociationId='string',
    RouteTableId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **AssociationId** (*string*) – **[REQUIRED]**
- **RouteTableId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NewAssociationId': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **NewAssociationId** *(string)* –
  - **RequestId** *(string)* –

computing / Client / revoke_security_group_ingress

revoke_security_group_ingress

`computing.Client.`**`revoke_security_group_ingress`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.revoke_security_group_ingress(
    GroupName='string',
    IpPermissions=[
        {
            'FromPort': 123,
            'InOut': 'IN'|'OUT',
            'IpProtocol': 'ANY'|'TCP'|'UDP'|'ICMP'|'SSH'|'HTTP'|'HTTPS'|'RDP'|'GRE
↪'|'ESP'|'AH'|'VRRP'|'L2TP'|'ICMPv6-all',
            'ListOfRequestGroups': [
                {
```

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```
                    'GroupName': 'string',
                    'UserId': 'string'
                },
            ],
            'ListOfRequestIpRanges': [
                {
                    'CidrIp': 'string'
                },
            ],
            'ToPort': 123
        },
    ],
    UserId='string'
)
```

Parameters

- **GroupName** (*string*) – **[REQUIRED]**
- **IpPermissions** (*list*) –
  - *(dict)* –
    - **FromPort** *(integer)* –
    - **InOut** *(string)* –
    - **IpProtocol** *(string)* –
    - **ListOfRequestGroups** *(list)* –
      - *(dict)* –
      - **GroupName** *(string)* –
      - **UserId** *(string)* –
    - **ListOfRequestIpRanges** *(list)* –
      - *(dict)* –
      - **CidrIp** *(string)* –
    - **ToPort** *(integer)* –
- **UserId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / run_instances

run_instances

`computing.Client.run_instances(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.run_instances(
    AccountingType='1'|'2',
    AddressingType='string',
    Admin='string',
    Agreement=True|False,
    BlockDeviceMapping=[
        {
            'DeviceName': 'string',
            'RequestEbs': {
                'DeleteOnTermination': True|False,
                'NoDevice': True|False,
                'SnapshotId': 'string',
                'VolumeSize': 123
            },
            'VirtualName': 'string'
        },
    ],
    Description='string',
    DisableApiTermination=True|False,
    ImageId='string',
    InstanceId='string',
    InstanceInitiatedShutdownBehavior='string',
    InstanceType='e-mini'|'h2-mini'|'mini'|'c-small'|'e-small'|'h2-small'|'small'|
↪'c-small2'|'e-small2'|'h2-small2'|'small2'|'c-small4'|'e-small4'|'h2-small4'|
↪'small4'|'e-small8'|'h2-small8'|'small8'|'e-small16'|'h2-small16'|'small16'|'c-
↪medium'|'e-medium'|'h2-medium'|'medium'|'c-medium4'|'e-medium4'|'h2-medium4'|
↪'medium4'|'c-medium8'|'e-medium8'|'h2-medium8'|'medium8'|'e-medium16'|'h2-
↪medium16'|'medium16'|'e-medium24'|'h2-medium24'|'medium24'|'c-large'|'e-large'|
↪'h2-large'|'large'|'c-large8'|'e-large8'|'h2-large8'|'large8'|'e-large16'|'h2-
↪large16'|'large16'|'e-large24'|'h2-large24'|'large24'|'e-large32'|'h2-large32'|
↪'large32'|'e-extra-large8'|'h2-extra-large8'|'extra-large8'|'e-extra-large16'|
↪'h2-extra-large16'|'extra-large16'|'e-extra-large24'|'h2-extra-large24'|'extra-
↪large24'|'e-extra-large32'|'h2-extra-large32'|'extra-large32'|'e-extra-large48'|
↪'h2-extra-large48'|'extra-large48'|'e-double-large16'|'h2-double-large16'|
↪'double-large16'|'e-double-large24'|'h2-double-large24'|'double-large24'|'e-
↪double-large32'|'h2-double-large32'|'double-large32'|'e-double-large48'|'h2-
↪double-large48'|'double-large48'|'e-double-large64'|'h2-double-large64'|'double-
↪large64'|'e-double-large96'|'h2-double-large96'|'double-large96'|'h2-triple-
↪large32'|'triple-large32'|'h2-triple-large48'|'triple-large48'|'h2-triple-
↪large64'|'triple-large64'|'h2-triple-large96'|'triple-large96'|'h2-triple-
↪large128'|'triple-large128'|'h2-quad-large64'|'quad-large64'|'h2-quad-large96'|
↪'quad-large96'|'h2-quad-large128'|'quad-large128'|'h2-septa-large128'|'septa-
↪large128',
    IpType='static'|'elastic'|'none',
    KernelId='string',
    KeyName='string',
    License=[
        {
            'LicenseName': 'RDS'|'Office(Std)'|'Office(Pro Plus)',
            'LicenseNum': 'string'
        },
    ],
    MaxCount=123,
    MinCount=123,
    Monitoring={
        'Enabled': True|False
    },
```

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```
    NetworkInterface=[
        {
            'DeviceIndex': 123,
            'IpAddress': 'string',
            'ListOfRequestSecurityGroupId': [
                'string',
            ],
            'NetworkId': 'string',
            'NetworkName': 'string'
        },
    ],
    Password='string',
    Placement={
        'AvailabilityZone': 'string',
        'GroupName': 'string'
    },
    PublicIp='string',
    RamdiskId='string',
    SecurityGroup=[
        'string',
    ],
    SubnetId='string',
    UserData={
        'Content': 'string',
        'Encoding': 'string'
    }
)
```

Parameters

- **AccountingType** (*string*) –
- **AddressingType** (*string*) –
- **Admin** (*string*) –
- **Agreement** (*boolean*) –
- **BlockDeviceMapping** (*list*) –
  - *(dict)* –
    - **DeviceName** *(string)* –
    - **RequestEbs** *(dict)* –
      - **DeleteOnTermination** *(boolean)* –
      - **NoDevice** *(boolean)* –
      - **SnapshotId** *(string)* –
      - **VolumeSize** *(integer)* –
    - **VirtualName** *(string)* –
- **Description** (*string*) –
- **DisableApiTermination** (*boolean*) –
- **ImageId** (*string*) – **[REQUIRED]**
- **InstanceId** (*string*) –
- **InstanceInitiatedShutdownBehavior** (*string*) –
- **InstanceType** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **License** (*list*) –
  - *(dict)* –
    - **LicenseName** *(string)* –
    - **LicenseNum** *(string)* –

- **MaxCount** (*integer*) –
- **MinCount** (*integer*) –
- **Monitoring** (*dict*) –
  - **Enabled** *(boolean)* –
- **NetworkInterface** (*list*) –
  - *(dict)* –
    - **DeviceIndex** *(integer)* –
    - **IpAddress** *(string)* –
    - **ListOfRequestSecurityGroupId** *(list)* –
      - *(string)* –
    - **NetworkId** *(string)* –
    - **NetworkName** *(string)* –
- **Password** (*string*) –
- **Placement** (*dict*) –
  - **AvailabilityZone** *(string)* –
  - **GroupName** *(string)* –
- **PublicIp** (*string*) –
- **RamdiskId** (*string*) –
- **SecurityGroup** (*list*) –
  - *(string)* –
- **SubnetId** (*string*) –
- **UserData** (*dict*) –
  - **Content** *(string)* –
  - **Encoding** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InstancesSet': [
        {
            'AccountingType': 'string',
            'Admin': 'string',
            'Architecture': 'string',
            'BlockDeviceMapping': [
                {
                    'DeviceName': 'string',
                    'Ebs': {
                        'DeleteOnTermination': 'string',
                        'Status': 'string',
                        'VolumeId': 'string',
                        'VolumeUniqueId': 'string'
                    }
                },
            ],
            'Description': 'string',
            'DnsName': 'string',
            'ImageId': 'string',
            'InstanceId': 'string',
            'InstanceState': {
```

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```
                'Code': 123,
                'Name': 'string'
            },
            'InstanceType': 'string',
            'InstanceUniqueId': 'string',
            'IpAddress': 'string',
            'IpAddressV6': 'string',
            'IpType': 'string',
            'IsoImage': [
                {
                    'IsoImageId': 'string',
                    'IsoImageName': 'string'
                },
            ],
            'KeyName': 'string',
            'LaunchTime': datetime(2015, 1, 1),
            'Monitoring': {
                'State': 'string'
            },
            'NetworkInterfaceSet': [
                {
                    'Association': {
                        'IpOwnerId': 'string',
                        'PublicDnsName': 'string',
                        'PublicIp': 'string'
                    },
                    'Attachment': {
                        'AttachTime': 'string',
                        'AttachmentID': 'string',
                        'DeleteOnTermination': 'string',
                        'DeviceIndex': 'string',
                        'Status': 'string'
                    },
                    'Description': 'string',
                    'GroupSet': [
                        {
                            'GroupId': 'string'
                        },
                    ],
                    'NetworkInterfaceId': 'string',
                    'NiftyNetworkId': 'string',
                    'NiftyNetworkName': 'string',
                    'OwnerId': 'string',
                    'PrivateDnsName': 'string',
                    'PrivateIpAddressesSet': [
                        {
                            'Association': {
                                'IpOwnerId': 'string',
                                'PublicDnsName': 'string',
                                'PublicIp': 'string'
                            },
                            'Primary': True|False,
                            'PrivateDnsName': 'string',
                            'PrivateIpAddress': 'string'
                        },
                    ],
                    'SourceDestCheck': 'string',
```

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```
                    'Status': 'string',
                    'SubnetId': 'string',
                    'VpcId': 'string'
                },
            ],
            'NiftyPrivateIpType': 'string',
            'Placement': {
                'AvailabilityZone': 'string'
            },
            'Platform': 'string',
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string',
            'PrivateIpAddressV6': 'string',
            'Reason': 'string',
            'RootDeviceType': 'string'
        },
    ],
    'OwnerId': 'string',
    'RequestId': 'string',
    'ReservationId': 'string'
}
```

Response Structure

- *(dict)* –
  - **GroupSet** *(list)* –
    - *(dict)* –
      - **GroupId** *(string)* –
  - **InstancesSet** *(list)* –
    - *(dict)* –
      - **AccountingType** *(string)* –
      - **Admin** *(string)* –
      - **Architecture** *(string)* –
      - **BlockDeviceMapping** *(list)* –
      - *(dict)* –
      - **DeviceName** *(string)* –
      - **Ebs** *(dict)* –
      - **DeleteOnTermination** *(string)* –
      - **Status** *(string)* –
      - **VolumeId** *(string)* –
      - **VolumeUniqueId** *(string)* –
      - **Description** *(string)* –
      - **DnsName** *(string)* –
      - **ImageId** *(string)* –
      - **InstanceId** *(string)* –
      - **InstanceState** *(dict)* –
      - **Code** *(integer)* –
      - **Name** *(string)* –
      - **InstanceType** *(string)* –
      - **InstanceUniqueId** *(string)* –
      - **IpAddress** *(string)* –
      - **IpAddressV6** *(string)* –
      - **IpType** *(string)* –
      - **IsoImage** *(list)* –
      - *(dict)* –

- **IsoImageId** *(string)* –
- **IsoImageName** *(string)* –
- **KeyName** *(string)* –
- **LaunchTime** *(datetime)* –
- **Monitoring** *(dict)* –
- **State** *(string)* –
- **NetworkInterfaceSet** *(list)* –
- *(dict)* –
- **Association** *(dict)* –
- **IpOwnerId** *(string)* –
- **PublicDnsName** *(string)* –
- **PublicIp** *(string)* –
- **Attachment** *(dict)* –
- **AttachTime** *(string)* –
- **AttachmentID** *(string)* –
- **DeleteOnTermination** *(string)* –
- **DeviceIndex** *(string)* –
- **Status** *(string)* –
- **Description** *(string)* –
- **GroupSet** *(list)* –
- *(dict)* –
- **GroupId** *(string)* –
- **NetworkInterfaceId** *(string)* –
- **NiftyNetworkId** *(string)* –
- **NiftyNetworkName** *(string)* –
- **OwnerId** *(string)* –
- **PrivateDnsName** *(string)* –
- **PrivateIpAddressesSet** *(list)* –
- *(dict)* –
- **Association** *(dict)* –
- **IpOwnerId** *(string)* –
- **PublicDnsName** *(string)* –
- **PublicIp** *(string)* –
- **Primary** *(boolean)* –
- **PrivateDnsName** *(string)* –
- **PrivateIpAddress** *(string)* –
- **SourceDestCheck** *(string)* –
- **Status** *(string)* –
- **SubnetId** *(string)* –
- **VpcId** *(string)* –
- **NiftyPrivateIpType** *(string)* –
- **Placement** *(dict)* –
- **AvailabilityZone** *(string)* –
- **Platform** *(string)* –
- **PrivateDnsName** *(string)* –
- **PrivateIpAddress** *(string)* –
- **PrivateIpAddressV6** *(string)* –
- **Reason** *(string)* –
- **RootDeviceType** *(string)* –

– **OwnerId** *(string)* –
– **RequestId** *(string)* –
– **ReservationId** *(string)* –

computing / Client / set_filter_for_load_balancer

set_filter_for_load_balancer

`computing.Client.set_filter_for_load_balancer(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.set_filter_for_load_balancer(
    FilterType='1'|'2',
    IPAddresses=[
        {
            'AddOnFilter': True|False,
            'IPAddress': 'string'
        },
    ],
    InstancePort=123,
    LoadBalancerName='string',
    LoadBalancerPort=123
)
```

Parameters

- **FilterType** (*string*) –
- **IPAddresses** (*list*) –
  - *(dict)* –
    - **AddOnFilter** *(boolean)* –
    - **IPAddress** *(string)* –
- **InstancePort** (*integer*) – **[REQUIRED]**
- **LoadBalancerName** (*string*) – **[REQUIRED]**
- **LoadBalancerPort** (*integer*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    },
    'SetFilterForLoadBalancerResult': {
        'Filter': {
            'FilterType': 'string',
            'IPAddresses': [
                {
                    'IPAddress': 'string'
                },
            ]
        }
    }
}
```

Response Structure

- *(dict)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –
  - **SetFilterForLoadBalancerResult** *(dict)* –
    - **Filter** *(dict)* –
      - **FilterType** *(string)* –
      - **IPAddresses** *(list)* –

· *(dict)* –
· **IPAddress** *(string)* –

computing / Client / set_load_balancer_listener_ssl_certificate

set_load_balancer_listener_ssl_certificate

`computing.Client.`**`set_load_balancer_listener_ssl_certificate`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.set_load_balancer_listener_ssl_certificate(
    InstancePort=123,
    LoadBalancerName='string',
    LoadBalancerPort=123,
    SSLCertificateId='string'
)
```

Parameters

- **InstancePort** (*integer*) – **[REQUIRED]**
- **LoadBalancerName** (*string*) – **[REQUIRED]**
- **LoadBalancerPort** (*integer*) – **[REQUIRED]**
- **SSLCertificateId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    },
    'SetLoadBalancerListenerSSLCertificateResult': 'string'
}
```

Response Structure

- *(dict)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –
  - **SetLoadBalancerListenerSSLCertificateResult** *(string)* –

computing / Client / set_remote_access_vpn_gateway_ca_certificate

set_remote_access_vpn_gateway_ca_certificate

`computing.Client.`**`set_remote_access_vpn_gateway_ca_certificate`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.set_remote_access_vpn_gateway_ca_certificate(
    CACertificateId='string',
    RemoteAccessVpnGatewayId='string'
)
```

Parameters

- **CACertificateId** (*string*) – **[REQUIRED]**
- **RemoteAccessVpnGatewayId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / set_remote_access_vpn_gateway_ssl_certificate

set_remote_access_vpn_gateway_ssl_certificate

`computing.Client.`**`set_remote_access_vpn_gateway_ssl_certificate`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.set_remote_access_vpn_gateway_ssl_certificate(
    RemoteAccessVpnGatewayId='string',
    SSLCertificateId='string'
)
```

Parameters

- **RemoteAccessVpnGatewayId** (*string*) – **[REQUIRED]**
- **SSLCertificateId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / start_instances

start_instances

`computing.Client.`**`start_instances`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.start_instances(
    AccountingType=[
        'string',
    ],
    InstanceId=[
        'string',
    ],
    InstanceType=[
        'string',
    ],
    NiftyIsBios=True|False,
    Tenancy=[
        'string',
    ],
    UserData={
        'Content': 'string',
        'Encoding': 'string'
    }
)
```

Parameters

- **AccountingType** (*list*) –
  - *(string)* –
- **InstanceId** (*list*) – **[REQUIRED]**
  - *(string)* –
- **InstanceType** (*list*) –
  - *(string)* –
- **NiftyIsBios** (*boolean*) –
- **Tenancy** (*list*) –
  - *(string)* –
- **UserData** (*dict*) –
  - **Content** *(string)* –
  - **Encoding** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'InstancesSet': [
        {
            'CurrentState': {
                'Code': 123,
                'Name': 'string'
            },
            'InstanceId': 'string',
            'InstanceUniqueId': 'string',
            'PreviousState': {
                'Code': 123,
                'Name': 'string'
            },
            'Tenancy': 'string'
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **InstancesSet** *(list)* –
    - *(dict)* –
      - **CurrentState** *(dict)* –
      - **Code** *(integer)* –
      - **Name** *(string)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
      - **PreviousState** *(dict)* –
      - **Code** *(integer)* –
      - **Name** *(string)* –
      - **Tenancy** *(string)* –
  - **RequestId** *(string)* –

computing / Client / stop_instances

stop_instances

`computing.Client.stop_instances(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.stop_instances(
    Force=True|False,
    InstanceId=[
        'string',
    ],
    Tenancy=[
        'string',
    ]
)
```

Parameters

- **Force** (*boolean*) –
- **InstanceId** (*list*) – **[REQUIRED]**
  - *(string)* –
- **Tenancy** (*list*) –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'InstancesSet': [
        {
            'CurrentState': {
                'Code': 123,
                'Name': 'string'
            },
            'InstanceId': 'string',
            'InstanceUniqueId': 'string',
            'PreviousState': {
                'Code': 123,
```

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```
                'Name': 'string'
            },
            'Tenancy': 'string'
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **InstancesSet** *(list)* –
    - *(dict)* –
      - **CurrentState** *(dict)* –
      - **Code** *(integer)* –
      - **Name** *(string)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
      - **PreviousState** *(dict)* –
      - **Code** *(integer)* –
      - **Name** *(string)* –
      - **Tenancy** *(string)* –
  - **RequestId** *(string)* –

computing / Client / terminate_instances

terminate_instances

`computing.Client.`**`terminate_instances`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.terminate_instances(
    InstanceId=[
        'string',
    ]
)
```

Parameters **`InstanceId`** `(list)` – **[REQUIRED]**

- *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'InstancesSet': [
        {
            'CurrentState': {
                'Code': 123,
                'Name': 'string'
            },
            'InstanceId': 'string',
            'InstanceUniqueId': 'string',
            'PreviousState': {
```

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```
                'Code': 123,
                'Name': 'string'
            }
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **InstancesSet** *(list)* –
    - *(dict)* –
      - **CurrentState** *(dict)* –
      - **Code** *(integer)* –
      - **Name** *(string)* –
      - **InstanceId** *(string)* –
      - **InstanceUniqueId** *(string)* –
      - **PreviousState** *(dict)* –
      - **Code** *(integer)* –
      - **Name** *(string)* –
  - **RequestId** *(string)* –

computing / Client / unset_load_balancer_listener_ssl_certificate

unset_load_balancer_listener_ssl_certificate

`computing.Client.`**`unset_load_balancer_listener_ssl_certificate`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.unset_load_balancer_listener_ssl_certificate(
    InstancePort=123,
    LoadBalancerName='string',
    LoadBalancerPort=123
)
```

Parameters

- **InstancePort** (*integer*) – **[REQUIRED]**
- **LoadBalancerName** (*string*) – **[REQUIRED]**
- **LoadBalancerPort** (*integer*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    },
    'UnsetLoadBalancerListenerSSLCertificateResult': 'string'
}
```

Response Structure

- *(dict)* –

- **ResponseMetadata** *(dict)* –
  - **RequestId** *(string)* –
- **UnsetLoadBalancerListenerSSLCertificateResult** *(string)* –

computing / Client / unset_remote_access_vpn_gateway_ca_certificate

unset_remote_access_vpn_gateway_ca_certificate

`computing.Client.`**`unset_remote_access_vpn_gateway_ca_certificate`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.unset_remote_access_vpn_gateway_ca_certificate(
    RemoteAccessVpnGatewayId='string'
)
```

Parameters **`RemoteAccessVpnGatewayId`** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / unset_remote_access_vpn_gateway_ssl_certificate

unset_remote_access_vpn_gateway_ssl_certificate

`computing.Client.`**`unset_remote_access_vpn_gateway_ssl_certificate`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.unset_remote_access_vpn_gateway_ssl_certificate(
    RemoteAccessVpnGatewayId='string'
)
```

Parameters **`RemoteAccessVpnGatewayId`** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / update_load_balancer

update_load_balancer

`computing.Client.update_load_balancer(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.update_load_balancer(
    AccountingTypeUpdate=123,
    ListenerUpdate={
        'InstancePort': 123,
        'LoadBalancerPort': 123,
        'RequestListener': {
            'BalancingType': 123,
            'InstancePort': 123,
            'LoadBalancerPort': 123,
            'Protocol': 'HTTP'|'HTTPS'|'FTP'|'custom'
        }
    },
    LoadBalancerName='string',
    LoadBalancerNameUpdate='string',
    NetworkVolumeUpdate=123
)
```

Parameters

- **AccountingTypeUpdate** (*integer*) –
- **ListenerUpdate** (*dict*) –
  - **InstancePort** *(integer)* –
  - **LoadBalancerPort** *(integer)* –
  - **RequestListener** *(dict)* –
    - **BalancingType** *(integer)* –
    - **InstancePort** *(integer)* –
    - **LoadBalancerPort** *(integer)* –
    - **Protocol** *(string)* –
- **LoadBalancerName** (*string*) – **[REQUIRED]**
- **LoadBalancerNameUpdate** (*string*) –
- **NetworkVolumeUpdate** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **ResponseMetadata** *(dict)* –

* **RequestId** *(string)* –

computing / Client / update_load_balancer_option

update_load_balancer_option

`computing.Client.update_load_balancer_option(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.update_load_balancer_option(
    InstancePort=123,
    LoadBalancerName='string',
    LoadBalancerPort=123,
    SessionStickinessPolicyUpdate={
        'Enable': True|False,
        'ExpirationPeriod': 123
    },
    SorryPageUpdate={
        'Enable': True|False,
        'StatusCode': 123
    }
)
```

Parameters

- **InstancePort** *(integer)* – **[REQUIRED]**
- **LoadBalancerName** *(string)* – **[REQUIRED]**
- **LoadBalancerPort** *(integer)* – **[REQUIRED]**
- **SessionStickinessPolicyUpdate** *(dict)* –
  - **Enable** *(boolean)* –
  - **ExpirationPeriod** *(integer)* –
- **SorryPageUpdate** *(dict)* –
  - **Enable** *(boolean)* –
  - **StatusCode** *(integer)* –

Return type dict

Returns

Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **ResponseMetadata** *(dict)* –
    * **RequestId** *(string)* –

computing / Client / update_security_group

update_security_group

`computing.Client.update_security_group(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.update_security_group(
    GroupDescriptionUpdate='string',
    GroupLogFilterBroadcast=True|False,
    GroupLogFilterNetBios=True|False,
    GroupLogLimitUpdate=123,
    GroupName='string',
    GroupNameUpdate='string',
    GroupRuleLimitUpdate=123
)
```

Parameters

- **GroupDescriptionUpdate** (*string*) –
- **GroupLogFilterBroadcast** (*boolean*) –
- **GroupLogFilterNetBios** (*boolean*) –
- **GroupLogLimitUpdate** (*integer*) –
- **GroupName** (*string*) – **[REQUIRED]**
- **GroupNameUpdate** (*string*) –
- **GroupRuleLimitUpdate** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / upload_iso_image

upload_iso_image

computing.Client.**upload_iso_image**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.upload_iso_image(
    AvailabilityZone='string',
    Description='string',
    IsoImageName='string',
    IsoUrl='string'
)
```

Parameters

- **AvailabilityZone** (*string*) –
- **Description** (*string*) –
- **IsoImageName** (*string*) –
- **IsoUrl** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- *(dict)* –
  - **RequestId** *(string)* –
  - **Return** *(boolean)* –

computing / Client / upload_ssl_certificate

upload_ssl_certificate

`computing.Client.`**`upload_ssl_certificate`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.upload_ssl_certificate(
    Certificate='string',
    CertificateAuthority='string',
    Key='string'
)
```

Parameters

- **`Certificate`** (*`string`*) – **[REQUIRED]**
- **`CertificateAuthority`** (*`string`*) –
- **`Key`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Fqdn': 'string',
    'FqdnId': 'string',
    'KeyFingerprint': 'string',
    'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
  - **Fqdn** *(string)* –
  - **FqdnId** *(string)* –
  - **KeyFingerprint** *(string)* –
  - **RequestId** *(string)* –

1.1.2 Client Exceptions

Client exceptions are available on a client instance via the `exceptions` property. For more detailed instructions and examples on the exact usage of client exceptions, see the error handling user guide.

This client has no modeled exception classes.

1.1.3 Waiters

Waiters are available on a client instance via the `get_waiter` method. For more detailed instructions and examples on the usage or waiters, see the waiters user guide.

The available waiters are:

computing / Waiter / CustomerGatewayAvailable

CustomerGatewayAvailable

class computing.Waiter.**CustomerGatewayAvailable**

```
waiter = client.get_waiter('customer_gateway_available')
```

wait(***kwargs*)

Polls *computing.Client.describe_customer_gateways()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    CustomerGatewayId=[
        'string',
    ],
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'customer-gateway-id'|'nifty-customer-gateway-name'|'ip-
↪address'|'state'|'nifty-customer-gateway-description'
        },
    ],
    NiftyCustomerGatewayName=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **CustomerGatewayId** (*list*) –
  - *(string)* –
- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **NiftyCustomerGatewayName** (*list*) –

- *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / CustomerGatewayDeleted

CustomerGatewayDeleted

class computing.Waiter.**CustomerGatewayDeleted**

```
waiter = client.get_waiter('customer_gateway_deleted')
```

wait (***kwargs*)

Polls *computing.Client.describe_customer_gateways()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    CustomerGatewayId=[
        'string',
    ],
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'customer-gateway-id'|'nifty-customer-gateway-name'|'ip-
↪address'|'state'|'nifty-customer-gateway-description'
        },
    ],
    NiftyCustomerGatewayName=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **CustomerGatewayId** (*list*) –
  - *(string)* –
- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –

- **NiftyCustomerGatewayName** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / CustomerGatewayExists

CustomerGatewayExists

class computing.Waiter.**CustomerGatewayExists**

```
waiter = client.get_waiter('customer_gateway_exists')
```

wait (***kwargs*)

Polls *computing.Client.describe_customer_gateways()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    CustomerGatewayId=[
        'string',
    ],
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'customer-gateway-id'|'nifty-customer-gateway-name'|'ip-
↪address'|'state'|'nifty-customer-gateway-description'
        },
    ],
    NiftyCustomerGatewayName=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **CustomerGatewayId** (*list*) –
  - *(string)* –
- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –

        * **Name** *(string)* –
    - **NiftyCustomerGatewayName** (*list*) –
      - *(string)* –
    - **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
      - **Delay** *(integer)* –

        The amount of time in seconds to wait between attempts. Default: 20
      - **MaxAttempts** *(integer)* –

        The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / CustomerGatewayStopped

CustomerGatewayStopped

class computing.Waiter.**CustomerGatewayStopped**

```
waiter = client.get_waiter('customer_gateway_stopped')
```

wait (***kwargs*)

Polls *computing.Client.describe_customer_gateways()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    CustomerGatewayId=[
        'string',
    ],
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'customer-gateway-id'|'nifty-customer-gateway-name'|'ip-
↪address'|'state'|'nifty-customer-gateway-description'
        },
    ],
    NiftyCustomerGatewayName=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **CustomerGatewayId** (*list*) –
  - *(string)* –
- **Filter** (*list*) –
  - *(dict)* –
    * **ListOfRequestValue** *(list)* –

· *(string)* –
* **Name** *(string)* –
- **NiftyCustomerGatewayName** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / CustomerGatewayWarning

CustomerGatewayWarning

class computing.Waiter.**CustomerGatewayWarning**

```
waiter = client.get_waiter('customer_gateway_warning')
```

wait (***kwargs*)

Polls *computing.Client.describe_customer_gateways()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    CustomerGatewayId=[
        'string',
    ],
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'customer-gateway-id'|'nifty-customer-gateway-name'|'ip-
↪address'|'state'|'nifty-customer-gateway-description'
        },
    ],
    NiftyCustomerGatewayName=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **CustomerGatewayId** (*list*) –
  - *(string)* –
- **Filter** (*list*) –
  - *(dict)* –

        * **ListOfRequestValue** *(list)* –
            · *(string)* –
        * **Name** *(string)* –
- **NiftyCustomerGatewayName** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / ElasticLoadBalancerAvailable

ElasticLoadBalancerAvailable

class computing.Waiter.**ElasticLoadBalancerAvailable**

```
waiter = client.get_waiter('elastic_load_balancer_available')
```

wait (***kwargs*)

Polls *computing.Client.nifty_describe_elastic_load_balancers()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    ElasticLoadBalancers={
        'ListOfRequestElasticLoadBalancerId': [
            'string',
        ],
        'ListOfRequestElasticLoadBalancerName': [
            'string',
        ],
        'ListOfRequestElasticLoadBalancerPort': [
            123,
        ],
        'ListOfRequestInstancePort': [
            123,
        ],
        'ListOfRequestProtocol': [
            'string',
        ]
    },
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'availability-zone'|'state'|'elastic-loadbalancer-id'|
↪'elastic-loadbalancer-name'|'description'|'accounting-type'|'ip-address'|
↪'version'
```

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```
        },
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **ElasticLoadBalancers** (*dict*) –
  - **ListOfRequestElasticLoadBalancerId** *(list)* –
    - *(string)* –
  - **ListOfRequestElasticLoadBalancerName** *(list)* –
    - *(string)* –
  - **ListOfRequestElasticLoadBalancerPort** *(list)* –
    - *(integer)* –
  - **ListOfRequestInstancePort** *(list)* –
    - *(integer)* –
  - **ListOfRequestProtocol** *(list)* –
    - *(string)* –
- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / ElasticLoadBalancerDeleted

ElasticLoadBalancerDeleted

class computing.Waiter.**ElasticLoadBalancerDeleted**

```
waiter = client.get_waiter('elastic_load_balancer_deleted')
```

wait (***kwargs*)

Polls *computing.Client.nifty_describe_elastic_load_balancers()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    ElasticLoadBalancers={
        'ListOfRequestElasticLoadBalancerId': [
```

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```
            'string',
        ],
        'ListOfRequestElasticLoadBalancerName': [
            'string',
        ],
        'ListOfRequestElasticLoadBalancerPort': [
            123,
        ],
        'ListOfRequestInstancePort': [
            123,
        ],
        'ListOfRequestProtocol': [
            'string',
        ]
    },
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'availability-zone'|'state'|'elastic-loadbalancer-id'|
↪'elastic-loadbalancer-name'|'description'|'accounting-type'|'ip-address'|
↪'version'
        },
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **ElasticLoadBalancers** (*dict*) –
  - **ListOfRequestElasticLoadBalancerId** *(list)* –
    - *(string)* –
  - **ListOfRequestElasticLoadBalancerName** *(list)* –
    - *(string)* –
  - **ListOfRequestElasticLoadBalancerPort** *(list)* –
    - *(integer)* –
  - **ListOfRequestInstancePort** *(list)* –
    - *(integer)* –
  - **ListOfRequestProtocol** *(list)* –
    - *(string)* –
- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / ElasticLoadBalancerExists

ElasticLoadBalancerExists

class computing.Waiter.**ElasticLoadBalancerExists**

```
waiter = client.get_waiter('elastic_load_balancer_exists')
```

wait (***kwargs*)

Polls `computing.Client.nifty_describe_elastic_load_balancers()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    ElasticLoadBalancers={
        'ListOfRequestElasticLoadBalancerId': [
            'string',
        ],
        'ListOfRequestElasticLoadBalancerName': [
            'string',
        ],
        'ListOfRequestElasticLoadBalancerPort': [
            123,
        ],
        'ListOfRequestInstancePort': [
            123,
        ],
        'ListOfRequestProtocol': [
            'string',
        ]
    },
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'availability-zone'|'state'|'elastic-loadbalancer-id'|
↪'elastic-loadbalancer-name'|'description'|'accounting-type'|'ip-address'|
↪'version'
        },
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **ElasticLoadBalancers** (*dict*) –
  - **ListOfRequestElasticLoadBalancerId** *(list)* –
    - *(string)* –
  - **ListOfRequestElasticLoadBalancerName** *(list)* –

        * *(string)* –
    - **ListOfRequestElasticLoadBalancerPort** *(list)* –
        * *(integer)* –
    - **ListOfRequestInstancePort** *(list)* –
        * *(integer)* –
    - **ListOfRequestProtocol** *(list)* –
        * *(string)* –
- **Filter** (*list*) –
    - *(dict)* –
        * **ListOfRequestValue** *(list)* –
            · *(string)* –
        * **Name** *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
    - **Delay** *(integer)* –

      The amount of time in seconds to wait between attempts. Default: 20
    - **MaxAttempts** *(integer)* –

      The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / InstanceDeleted

InstanceDeleted

class computing.Waiter.**InstanceDeleted**

```
waiter = client.get_waiter('instance_deleted')
```

wait (***kwargs*)

Polls *computing.Client.describe_instances()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    InstanceId=[
        'string',
    ],
    Tenancy=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **InstanceId** (*list*) –
    - *(string)* –
- **Tenancy** (*list*) –
    - *(string)* –

- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / InstanceExists

InstanceExists

class computing.Waiter.**InstanceExists**

```
waiter = client.get_waiter('instance_exists')
```

wait (***kwargs*)

Polls `computing.Client.describe_instances()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    InstanceId=[
        'string',
    ],
    Tenancy=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **InstanceId** (*list*) –
  - *(string)* –
- **Tenancy** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / InstanceImportError

InstanceImportError

class computing.Waiter.**InstanceImportError**

```
waiter = client.get_waiter('instance_import_error')
```

wait(***kwargs*)

Polls *computing.Client.describe_instances()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    InstanceId=[
        'string',
    ],
    Tenancy=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **InstanceId** (*list*) –
  - *(string)* –
- **Tenancy** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / InstanceRunning

InstanceRunning

class computing.Waiter.**InstanceRunning**

```
waiter = client.get_waiter('instance_running')
```

wait(***kwargs*)

Polls *computing.Client.describe_instances()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    InstanceId=[
        'string',
    ],
    Tenancy=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **InstanceId** (*list*) –
  - *(string)* –
- **Tenancy** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / InstanceStopped

InstanceStopped

class computing.Waiter.**InstanceStopped**

```
waiter = client.get_waiter('instance_stopped')
```

wait(***kwargs*)

Polls `computing.Client.describe_instances()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    InstanceId=[
        'string',
    ],
    Tenancy=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **InstanceId** (*list*) –
  - *(string)* –
- **Tenancy** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / InstanceSuspending

InstanceSuspending

class computing.Waiter.**InstanceSuspending**

```
waiter = client.get_waiter('instance_suspending')
```

wait (***kwargs*)

Polls *computing.Client.describe_instances()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    InstanceId=[
        'string',
    ],
    Tenancy=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **InstanceId** (*list*) –
  - *(string)* –
- **Tenancy** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / InstanceWarning

InstanceWarning

class computing.Waiter.**InstanceWarning**

```
waiter = client.get_waiter('instance_warning')
```

wait(***kwargs*)

Polls `computing.Client.describe_instances()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    InstanceId=[
        'string',
    ],
    Tenancy=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **InstanceId** (*list*) –
  - *(string)* –
- **Tenancy** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / LoadBalancerDeleted

LoadBalancerDeleted

class computing.Waiter.**LoadBalancerDeleted**

```
waiter = client.get_waiter('load_balancer_deleted')
```

wait (***kwargs*)

Polls `computing.Client.describe_load_balancers()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    LoadBalancerNames=[
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123
        },
    ],
    Owner='self'|'other'|'all',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **LoadBalancerNames** (*list*) –
  - *(dict)* –
    - **InstancePort** *(integer)* –
    - **LoadBalancerName** *(string)* –
    - **LoadBalancerPort** *(integer)* –
- **Owner** (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / LoadBalancerExists

LoadBalancerExists

class computing.Waiter.**LoadBalancerExists**

```
waiter = client.get_waiter('load_balancer_exists')
```

wait (***kwargs*)

Polls `computing.Client.describe_load_balancers()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    LoadBalancerNames=[
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123
        },
    ],
    Owner='self'|'other'|'all',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **LoadBalancerNames** (*list*) –
  - *(dict)* –
    - **InstancePort** *(integer)* –
    - **LoadBalancerName** *(string)* –
    - **LoadBalancerPort** *(integer)* –
- **Owner** (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / LoadBalancerInService

LoadBalancerInService

class computing.Waiter.**LoadBalancerInService**

```
waiter = client.get_waiter('load_balancer_in_service')
```

wait(***kwargs*)

Polls *computing.Client.describe_load_balancers()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    LoadBalancerNames=[
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123
        },
    ],
```

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```
    Owner='self'|'other'|'all',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **LoadBalancerNames** (*list*) –
  - *(dict)* –
    - **InstancePort** *(integer)* –
    - **LoadBalancerName** *(string)* –
    - **LoadBalancerPort** *(integer)* –
- **Owner** (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / PrivateLanAvailable

PrivateLanAvailable

class computing.Waiter.**PrivateLanAvailable**

```
waiter = client.get_waiter('private_lan_available')
```

wait (***kwargs*)

Polls *computing.Client.nifty_describe_private_lans()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'availabilityZone, availability-zone'|'cidrBlock, cidr,␣
↪cidr-block'|'state'|'network-id'|'private-lan-name'|'accountingType'|
↪'description'
        },
    ],
    NetworkId=[
        'string',
    ],
    PrivateLanName=[
```

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```
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **NetworkId** (*list*) –
  - *(string)* –
- **PrivateLanName** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / PrivateLanDeleted

PrivateLanDeleted

class computing.Waiter.**PrivateLanDeleted**

```
waiter = client.get_waiter('private_lan_deleted')
```

wait (***kwargs*)

Polls *computing.Client.nifty_describe_private_lans()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'availabilityZone, availability-zone'|'cidrBlock, cidr,␣
↪cidr-block'|'state'|'network-id'|'private-lan-name'|'accountingType'|
↪'description'
        },
    ],
```

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```
    NetworkId=[
        'string',
    ],
    PrivateLanName=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **NetworkId** (*list*) –
  - *(string)* –
- **PrivateLanName** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / PrivateLanExists

PrivateLanExists

class computing.Waiter.**PrivateLanExists**

```
waiter = client.get_waiter('private_lan_exists')
```

wait (***kwargs*)

Polls *computing.Client.nifty_describe_private_lans()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'availabilityZone, availability-zone'|'cidrBlock, cidr,␣
↪cidr-block'|'state'|'network-id'|'private-lan-name'|'accounting-type'|
↪'description'
```

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```
        },
    ],
    NetworkId=[
        'string',
    ],
    PrivateLanName=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **NetworkId** (*list*) –
  - *(string)* –
- **PrivateLanName** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / RemoteAccessVpnGatewayAvailable

RemoteAccessVpnGatewayAvailable

class computing.Waiter.**RemoteAccessVpnGatewayAvailable**

```
waiter = client.get_waiter('remote_access_vpn_gateway_available')
```

wait (***kwargs*)

Polls *computing.Client.describe_remote_access_vpn_gateways()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    RemoteAccessVpnGatewayId=[
        'string',
    ],
    WaiterConfig={
```

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```
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **RemoteAccessVpnGatewayId** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / RemoteAccessVpnGatewayDeleted

RemoteAccessVpnGatewayDeleted

class computing.Waiter.**RemoteAccessVpnGatewayDeleted**

```
waiter = client.get_waiter('remote_access_vpn_gateway_deleted')
```

wait (***kwargs*)

Polls *computing.Client.describe_remote_access_vpn_gateways()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    RemoteAccessVpnGatewayId=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **RemoteAccessVpnGatewayId** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / RemoteAccessVpnGatewayExists

RemoteAccessVpnGatewayExists

class computing.Waiter.**RemoteAccessVpnGatewayExists**

```
waiter = client.get_waiter('remote_access_vpn_gateway_exists')
```

wait(***kwargs*)

Polls *computing.Client.describe_remote_access_vpn_gateways()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    RemoteAccessVpnGatewayId=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **RemoteAccessVpnGatewayId** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / RouterAvailable

RouterAvailable

class computing.Waiter.**RouterAvailable**

```
waiter = client.get_waiter('router_available')
```

wait(***kwargs*)

Polls *computing.Client.nifty_describe_routers()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'availability-zone'|'state'|'router-id'|'router-name'|
↪'description'|'accountingType'|'type'|'ip-address'|'version'|'latest-
↪version-information'
        },
    ],
    RouterId=[
        'string',
    ],
    RouterName=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **RouterId** (*list*) –
  - *(string)* –
- **RouterName** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / RouterDeleted

RouterDeleted

class computing.Waiter.**RouterDeleted**

```
waiter = client.get_waiter('router_deleted')
```

wait (***kwargs*)

Polls *computing.Client.nifty_describe_routers()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'availability-zone'|'state'|'router-id'|'router-name'|
↪'description'|'accountingType'|'type'|'ip-address'|'version'|'latest-
↪version-information'
        },
    ],
    RouterId=[
        'string',
    ],
    RouterName=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **RouterId** (*list*) –
  - *(string)* –
- **RouterName** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / RouterExists

RouterExists

class computing.Waiter.**RouterExists**

```
waiter = client.get_waiter('router_exists')
```

wait(***kwargs*)

Polls *computing.Client.nifty_describe_routers()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'availability-zone'|'state'|'router-id'|'router-name'|
↪'description'|'accountingType'|'type'|'ip-address'|'version'|'latest-
↪version-information'
        },
    ],
    RouterId=[
        'string',
    ],
    RouterName=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **RouterId** (*list*) –
  - *(string)* –
- **RouterName** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / RouterStopped

RouterStopped

class computing.Waiter.**RouterStopped**

```
waiter = client.get_waiter('router_stopped')
```

wait (***kwargs*)

Polls `computing.Client.nifty_describe_routers()` every 20 seconds until a successful

state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'availability-zone'|'state'|'router-id'|'router-name'|
↪'description'|'accountingType'|'type'|'ip-address'|'version'|'latest-
↪version-information'
        },
    ],
    RouterId=[
        'string',
    ],
    RouterName=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **RouterId** (*list*) –
  - *(string)* –
- **RouterName** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / RouterWarning

RouterWarning

class computing.Waiter.**RouterWarning**

```
waiter = client.get_waiter('router_warning')
```

wait (***kwargs*)

Polls `computing.Client.nifty_describe_routers()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'availability-zone'|'state'|'router-id'|'router-name'|
↪'description'|'accountingType'|'type'|'ip-address'|'version'|'latest-
↪version-information'
        },
    ],
    RouterId=[
        'string',
    ],
    RouterName=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **RouterId** (*list*) –
  - *(string)* –
- **RouterName** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / SecurityGroupApplied

SecurityGroupApplied

class computing.Waiter.**SecurityGroupApplied**

```
waiter = client.get_waiter('security_group_applied')
```

wait (***kwargs*)

Polls `computing.Client.describe_security_groups()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'description'|'group-name'
        },
    ],
    GroupName=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **GroupName** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / SecurityGroupDeleted

SecurityGroupDeleted

class computing.Waiter.**SecurityGroupDeleted**

```
waiter = client.get_waiter('security_group_deleted')
```

wait (***kwargs*)

Polls `computing.Client.describe_security_groups()` every 20 seconds until a successful

state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'description'|'group-name'
        },
    ],
    GroupName=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **GroupName** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / SecurityGroupExists

SecurityGroupExists

class computing.Waiter.**SecurityGroupExists**

```
waiter = client.get_waiter('security_group_exists')
```

wait (***kwargs*)

Polls *computing.Client.describe_security_groups()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'description'|'group-name'
        },
    ],
    GroupName=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **GroupName** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / SnapshotDeleted

SnapshotDeleted

class computing.Waiter.**SnapshotDeleted**

```
waiter = client.get_waiter('snapshot_deleted')
```

wait (***kwargs*)

Polls *computing.Client.nifty_describe_instance_snapshots()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    InstanceSnapshotId=[
        'string',
    ],
```

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```
    SnapshotName=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **InstanceSnapshotId** (*list*) –
  - *(string)* –
- **SnapshotName** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / SnapshotExists

SnapshotExists

class computing.Waiter.**SnapshotExists**

```
waiter = client.get_waiter('snapshot_exists')
```

wait (***kwargs*)

Polls `computing.Client.nifty_describe_instance_snapshots()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    InstanceSnapshotId=[
        'string',
    ],
    SnapshotName=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **InstanceSnapshotId** (*list*) –
  - *(string)* –

- **SnapshotName** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / SnapshotNormal

SnapshotNormal

class computing.Waiter.**SnapshotNormal**

```
waiter = client.get_waiter('snapshot_normal')
```

wait (***kwargs*)

Polls *computing.Client.nifty_describe_instance_snapshots()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    InstanceSnapshotId=[
        'string',
    ],
    SnapshotName=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **InstanceSnapshotId** (*list*) –
  - *(string)* –
- **SnapshotName** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / VolumeAttached

VolumeAttached

class computing.Waiter.**VolumeAttached**

```
waiter = client.get_waiter('volume_attached')
```

wait(***kwargs*)

Polls *computing.Client.describe_volumes()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    VolumeId=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **VolumeId** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / VolumeAvailable

VolumeAvailable

class computing.Waiter.**VolumeAvailable**

```
waiter = client.get_waiter('volume_available')
```

wait(***kwargs*)

Polls *computing.Client.describe_volumes()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    VolumeId=[
        'string',
```

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```
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **VolumeId** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / VolumeDeleted

VolumeDeleted

class computing.Waiter.**VolumeDeleted**

```
waiter = client.get_waiter('volume_deleted')
```

wait (***kwargs*)

Polls *computing.Client.describe_volumes()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    VolumeId=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **VolumeId** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / VolumeExists

VolumeExists

class computing.Waiter.**VolumeExists**

```
waiter = client.get_waiter('volume_exists')
```

wait(***kwargs*)

Polls *computing.Client.describe_volumes()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    VolumeId=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **VolumeId** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / VolumeInUse

VolumeInUse

class computing.Waiter.**VolumeInUse**

```
waiter = client.get_waiter('volume_in_use')
```

wait(***kwargs*)

Polls *computing.Client.describe_volumes()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    VolumeId=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **VolumeId** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / VpnConnectionAvailable

VpnConnectionAvailable

class computing.Waiter.**VpnConnectionAvailable**

```
waiter = client.get_waiter('vpn_connection_available')
```

wait(***kwargs*)

Polls *computing.Client.describe_vpn_connections()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'customer-gateway-configuration'|'customer-gateway-id'|
↪'nifty-customer-gateway-name'|'state'|'option.static-routes-only'|'route.
↪destination-cidr-block'|'type'|'vpn-connection-id'|'vpn-gateway-id'|'nifty-
↪vpn-gateway-name'|'nifty-vpn-connection-description'|'nifty-internet-key-
↪exchange'
        },
    ],
    VpnConnectionId=[
        'string',
    ],
```

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```
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **VpnConnectionId** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / VpnConnectionDeleted

VpnConnectionDeleted

class computing.Waiter.**VpnConnectionDeleted**

```
waiter = client.get_waiter('vpn_connection_deleted')
```

wait (***kwargs*)

Polls `computing.Client.describe_vpn_connections()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'customer-gateway-configuration'|'customer-gateway-id'|
↪'nifty-customer-gateway-name'|'state'|'option.static-routes-only'|'route.
↪destination-cidr-block'|'type'|'vpn-connection-id'|'vpn-gateway-id'|'nifty-
↪vpn-gateway-name'|'nifty-vpn-connection-description'|'nifty-internet-key-
↪exchange'
        },
    ],
    VpnConnectionId=[
        'string',
```

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```
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **VpnConnectionId** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / VpnConnectionExists

VpnConnectionExists

class computing.Waiter.**VpnConnectionExists**

```
waiter = client.get_waiter('vpn_connection_exists')
```

wait (***kwargs*)

Polls *computing.Client.describe_vpn_connections()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'customer-gateway-configuration'|'customer-gateway-id'|
↪'nifty-customer-gateway-name'|'state'|'option.static-routes-only'|'route.
↪destination-cidr-block'|'type'|'vpn-connection-id'|'vpn-gateway-id'|'nifty-
↪vpn-gateway-name'|'nifty-vpn-connection-description'|'nifty-internet-key-
↪exchange'
        },
    ],
    VpnConnectionId=[
```

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```
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **VpnConnectionId** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / VpnGatewayAvailable

VpnGatewayAvailable

class computing.Waiter.**VpnGatewayAvailable**

```
waiter = client.get_waiter('vpn_gateway_available')
```

wait (***kwargs*)

Polls *computing.Client.describe_vpn_gateways()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'attachment.state'|'attachment.vpc-id'|'availability-zone
↪'|'state'|'type'|'vpn-gateway-id'|'nifty-vpn-gateway-name'|'nifty-vpn-
↪gateway-type'|'nifty-vpn-gateway-description'|'nifty-vpn-gateway-
↪accountingType'|'ip-address'|'latest-version-information'|'version'
        },
    ],
    NiftyVpnGatewayName=[
```

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```
        'string',
    ],
    VpnGatewayId=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **NiftyVpnGatewayName** (*list*) –
  - *(string)* –
- **VpnGatewayId** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / VpnGatewayDeleted

VpnGatewayDeleted

class computing.Waiter.**VpnGatewayDeleted**

```
waiter = client.get_waiter('vpn_gateway_deleted')
```

wait (***kwargs*)

Polls *computing.Client.describe_vpn_gateways()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'attachment.state'|'attachment.vpc-id'|'availability-zone
↪'|'state'|'type'|'vpn-gateway-id'|'nifty-vpn-gateway-name'|'nifty-vpn-
↪gateway-type'|'nifty-vpn-gateway-description'|'nifty-vpn-gate
↪accountingType'|'ip-address'|'latest-version-information'|'version'
```

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```
        },
    ],
    NiftyVpnGatewayName=[
        'string',
    ],
    VpnGatewayId=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **NiftyVpnGatewayName** (*list*) –
  - *(string)* –
- **VpnGatewayId** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / VpnGatewayExists

VpnGatewayExists

class computing.Waiter.**VpnGatewayExists**

```
waiter = client.get_waiter('vpn_gateway_exists')
```

wait (***kwargs*)

Polls *computing.Client.describe_vpn_gateways()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
```

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```
            ],
            'Name': 'attachment.state'|'attachment.vpc-id'|'availability-zone
↪'|'state'|'type'|'vpn-gateway-id'|'nifty-vpn-gateway-name'|'nifty-vpn-
↪gateway-type'|'nifty-vpn-gateway-description'|'nifty-vpn-gateway-
↪accountingType'|'ip-address'|'latest-version-information'|'version'
        },
    ],
    NiftyVpnGatewayName=[
        'string',
    ],
    VpnGatewayId=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **NiftyVpnGatewayName** (*list*) –
  - *(string)* –
- **VpnGatewayId** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / VpnGatewayStopped

VpnGatewayStopped

class computing.Waiter.**VpnGatewayStopped**

```
waiter = client.get_waiter('vpn_gateway_stopped')
```

wait (***kwargs*)

Polls *computing.Client.describe_vpn_gateways()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'attachment.state'|'attachment.vpc-id'|'availability-zone
↪'|'state'|'type'|'vpn-gateway-id'|'nifty-vpn-gateway-name'|'nifty-vpn-
↪gateway-type'|'nifty-vpn-gateway-description'|'nifty-vpn-gateway-
↪accountingType'|'ip-address'|'latest-version-information'|'version'
        },
    ],
    NiftyVpnGatewayName=[
        'string',
    ],
    VpnGatewayId=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **NiftyVpnGatewayName** (*list*) –
  - *(string)* –
- **VpnGatewayId** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

computing / Waiter / VpnGatewayWarning

VpnGatewayWarning

class computing.Waiter.**VpnGatewayWarning**

```
waiter = client.get_waiter('vpn_gateway_warning')
```

wait (***kwargs*)

Polls *computing.Client.describe_vpn_gateways()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    Filter=[
        {
            'ListOfRequestValue': [
                'string',
            ],
            'Name': 'attachment.state'|'attachment.vpc-id'|'availability-zone
↪'|'state'|'type'|'vpn-gateway-id'|'nifty-vpn-gateway-name'|'nifty-vpn-
↪gateway-type'|'nifty-vpn-gateway-description'|'nifty-vpn-gateway-
↪accountingType'|'ip-address'|'latest-version-information'|'version'
        },
    ],
    NiftyVpnGatewayName=[
        'string',
    ],
    VpnGatewayId=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **Filter** (*list*) –
  - *(dict)* –
    - **ListOfRequestValue** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
- **NiftyVpnGatewayName** (*list*) –
  - *(string)* –
- **VpnGatewayId** (*list*) –
  - *(string)* –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

1.2 dns

1.2.1 Client

class dns.**Client**

A low-level client representing NIFCLOUD DNS

```
client = session.create_client('dns')
```

These are the available methods:

dns / Client / can_paginate

can_paginate

`dns.Client.`**`can_paginate`**(*operation_name*)

Check if an operation can be paginated.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Returns `True` if the operation can be paginated, `False` otherwise.

dns / Client / change_resource_record_sets

change_resource_record_sets

`dns.Client.`**`change_resource_record_sets`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.change_resource_record_sets(
    Comment='string',
    RequestChangeBatch={
        'ListOfRequestChanges': [
            {
                'RequestChange': {
                    'Action': 'CREATE'|'DELETE',
                    'RequestResourceRecordSet': {
                        'Failover': 'PRIMARY'|'SECONDARY',
                        'ListOfRequestResourceRecords': [
                            {
                                'RequestResourceRecord': {
                                    'Value': 'string'
                                }
                            },
                        ],
                        'Name': 'string',
                        'Region': 'string',
                        'RequestXniftyHealthCheckConfig': {
                            'FullyQualifiedDomainName': 'string',
                            'IPAddress': 'string',
                            'Port': 123,
                            'Protocol': 'HTTP'|'HTTPS'|'TCP',
                            'ResourcePath': 'string'
                        },
                        'SetIdentifier': 'string',
                        'TTL': 123,
                        'Type': 'NS'|'A'|'AAAA'|'CNAME'|'MX'|'TXT'|'PTR',
                        'Weight': 123,
```

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```
                        'XniftyComment': 'string'
                    }
                }
            },
        ]
    },
    ZoneID='string'
)
```

Parameters

- **Comment** (*string*) –
- **RequestChangeBatch** (*dict*) – **[REQUIRED]**
  - **ListOfRequestChanges** *(list)* – **[REQUIRED]**
    - *(dict)* –
      - **RequestChange** *(dict)* – **[REQUIRED]**
      - **Action** *(string)* – **[REQUIRED]**
      - **RequestResourceRecordSet** *(dict)* –
      - **Failover** *(string)* –
      - **ListOfRequestResourceRecords** *(list)* –
      - *(dict)* –
      - **RequestResourceRecord** *(dict)* –
      - **Value** *(string)* –
      - **Name** *(string)* –
      - **Region** *(string)* –
      - **RequestXniftyHealthCheckConfig** *(dict)* –
      - **FullyQualifiedDomainName** *(string)* –
      - **IPAddress** *(string)* –
      - **Port** *(integer)* –
      - **Protocol** *(string)* –
      - **ResourcePath** *(string)* –
      - **SetIdentifier** *(string)* –
      - **TTL** *(integer)* –
      - **Type** *(string)* –
      - **Weight** *(integer)* –
      - **XniftyComment** *(string)* –
- **ZoneID** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'ChangeInfo': {
        'Id': 'string',
        'Status': 'string',
        'SubmittedAt': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **ChangeInfo** *(dict)* –
    - **Id** *(string)* –
    - **Status** *(string)* –
    - **SubmittedAt** *(string)* –

dns / Client / close

close

`dns.Client.close()`

Closes underlying endpoint connections.

dns / Client / create_hosted_zone

create_hosted_zone

`dns.Client.create_hosted_zone(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_hosted_zone(
    CallerReference='string',
    Name='string',
    RequestHostedZoneConfig={
        'Comment': 'string'
    }
)
```

Parameters

- **CallerReference** (*string*) –
- **Name** (*string*) – **[REQUIRED]**
- **RequestHostedZoneConfig** (*dict*) –
  - **Comment** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'ChangeInfo': {
        'Id': 'string',
        'Status': 'string',
        'SubmittedAt': 'string'
    },
    'DelegationSet': {
        'NameServers': [
            'string',
        ]
    },
    'HostedZone': {
        'CallerReference': 'string',
        'Config': {
            'Comment': 'string'
        },
        'Id': 'string',
        'Name': 'string',
        'ResourceRecordSetCount': 123
    }
}
```

Response Structure

- *(dict)* –
  - **ChangeInfo** *(dict)* –
    - **Id** *(string)* –
    - **Status** *(string)* –
    - **SubmittedAt** *(string)* –
  - **DelegationSet** *(dict)* –
    - **NameServers** *(list)* –
      - *(string)* –
  - **HostedZone** *(dict)* –
    - **CallerReference** *(string)* –
    - **Config** *(dict)* –
      - **Comment** *(string)* –
    - **Id** *(string)* –
    - **Name** *(string)* –
    - **ResourceRecordSetCount** *(integer)* –

dns / Client / delete_hosted_zone

delete_hosted_zone

`dns.Client.`**`delete_hosted_zone`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_hosted_zone(
    ZoneID='string'
)
```

Parameters **`ZoneID`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'ChangeInfo': {
        'Id': 'string',
        'Status': 'string',
        'SubmittedAt': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **ChangeInfo** *(dict)* –
    - **Id** *(string)* –
    - **Status** *(string)* –
    - **SubmittedAt** *(string)* –

dns / Client / get_change

get_change

`dns.Client.`**`get_change`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_change(
    ChangeID='string'
)
```

Parameters **ChangeID** (*string*) – **[REQUIRED]**
Return type dict
Returns

Response Syntax

```
{
    'ChangeInfo': {
        'Id': 'string',
        'Status': 'string',
        'SubmittedAt': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **ChangeInfo** *(dict)* –
    - **Id** *(string)* –
    - **Status** *(string)* –
    - **SubmittedAt** *(string)* –

dns / Client / get_hosted_zone

get_hosted_zone

`dns.Client.get_hosted_zone(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_hosted_zone(
    ZoneID='string'
)
```

Parameters **ZoneID** (*string*) – **[REQUIRED]**
Return type dict
Returns

Response Syntax

```
{
    'DelegationSet': {
        'NameServers': [
            'string',
        ]
    },
    'HostedZone': {
        'CallerReference': 'string',
        'Config': {
            'Comment': 'string'
        },
```

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```
        'Id': 'string',
        'Name': 'string',
        'ResourceRecordSetCount': 123
    }
}
```

Response Structure

- *(dict)* –
  - **DelegationSet** *(dict)* –
    - **NameServers** *(list)* –
      - *(string)* –
  - **HostedZone** *(dict)* –
    - **CallerReference** *(string)* –
    - **Config** *(dict)* –
      - **Comment** *(string)* –
    - **Id** *(string)* –
    - **Name** *(string)* –
    - **ResourceRecordSetCount** *(integer)* –

dns / Client / get_paginator

get_paginator

`dns.Client.`**`get_paginator`**`(`*operation_name*`)`

Create a paginator for an operation.

Parameters **`operation_name`** (*`string`*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Raises **`OperationNotPageableError`** – Raised if the operation is not pageable. You can use the `client.can_paginate` method to check if an operation is pageable.

Return type L{botocore.paginate.Paginator}

Returns A paginator object.

dns / Client / get_waiter

get_waiter

`dns.Client.`**`get_waiter`**`(`*waiter_name*`)`

Returns an object that can wait for some condition.

Parameters **`waiter_name`** (*`str`*) – The name of the waiter to get. See the waiters section of the service docs for a list of available waiters.

Returns The specified waiter object.

Return type botocore.waiter.Waiter

dns / Client / list_hosted_zones

list_hosted_zones

`dns.Client.`**`list_hosted_zones`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.list_hosted_zones(
    Marker='string',
    Maxitems=123
)
```

Parameters

- **Marker** (*string*) –
- **Maxitems** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'HostedZones': [
        {
            'CallerReference': 'string',
            'Config': {
                'Comment': 'string'
            },
            'Id': 'string',
            'Name': 'string',
            'ResourceRecordSetCount': 123
        },
    ],
    'IsTruncated': True|False,
    'Marker': 'string',
    'MaxItems': 123,
    'NextMarker': 'string'
}
```

Response Structure

- *(dict)* –
  - **HostedZones** *(list)* –
    - *(dict)* –
      - **CallerReference** *(string)* –
      - **Config** *(dict)* –
      - **Comment** *(string)* –
      - **Id** *(string)* –
      - **Name** *(string)* –
      - **ResourceRecordSetCount** *(integer)* –
  - **IsTruncated** *(boolean)* –
  - **Marker** *(string)* –
  - **MaxItems** *(integer)* –
  - **NextMarker** *(string)* –

dns / Client / list_resource_record_sets

list_resource_record_sets

`dns.Client.list_resource_record_sets(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.list_resource_record_sets(
    Identifier='string',
    Maxitems=123,
    Name='string',
    Type='NS'|'A'|'AAAA'|'CNAME'|'MX'|'TXT'|'PTR',
    ZoneID='string'
)
```

Parameters

- **Identifier** (*string*) –
- **Maxitems** (*integer*) –
- **Name** (*string*) –
- **Type** (*string*) –
- **ZoneID** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'IsTruncated': True|False,
    'MaxItems': 123,
    'NextRecordIdentifier': 'string',
    'NextRecordName': 'string',
    'NextRecordType': 'string',
    'ResourceRecordSets': [
        {
            'Failover': 'string',
            'Name': 'string',
            'Region': 'string',
            'ResourceRecords': [
                {
                    'Value': 'string'
                },
            ],
            'SetIdentifier': 'string',
            'TTL': 123,
            'Type': 'string',
            'Weight': 123,
            'XniftyComment': 'string',
            'XniftyHealthCheckConfig': {
                'FullyQualifiedDomainName': 'string',
                'IPAddress': 'string',
                'Port': 123,
                'Protocol': 'string',
                'ResourcePath': 'string'
            }
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **IsTruncated** *(boolean)* –
  - **MaxItems** *(integer)* –
  - **NextRecordIdentifier** *(string)* –
  - **NextRecordName** *(string)* –

- **NextRecordType** *(string)* –
- **ResourceRecordSets** *(list)* –
  - *(dict)* –
    - **Failover** *(string)* –
    - **Name** *(string)* –
    - **Region** *(string)* –
    - **ResourceRecords** *(list)* –
    - *(dict)* –
    - **Value** *(string)* –
    - **SetIdentifier** *(string)* –
    - **TTL** *(integer)* –
    - **Type** *(string)* –
    - **Weight** *(integer)* –
    - **XniftyComment** *(string)* –
    - **XniftyHealthCheckConfig** *(dict)* –
    - **FullyQualifiedDomainName** *(string)* –
    - **IPAddress** *(string)* –
    - **Port** *(integer)* –
    - **Protocol** *(string)* –
    - **ResourcePath** *(string)* –

1.2.2 Client Exceptions

Client exceptions are available on a client instance via the `exceptions` property. For more detailed instructions and examples on the exact usage of client exceptions, see the error handling user guide.

This client has no modeled exception classes.

1.3 ess

1.3.1 Client

class `ess.`**`Client`**

A low-level client representing NIFCLOUD ESS

```
client = session.create_client('ess')
```

These are the available methods:

ess / Client / can_paginate

can_paginate

`ess.Client.`**`can_paginate`**(*operation_name*)

Check if an operation can be paginated.

Parameters **`operation_name`** (*`string`*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Returns `True` if the operation can be paginated, `False` otherwise.

ess / Client / close

close

`ess.Client.close()`

Closes underlying endpoint connections.

ess / Client / delete_identity

delete_identity

`ess.Client.delete_identity(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_identity(
    Identity='string'
)
```

Parameters **Identity** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'DeleteIdentityResult': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DeleteIdentityResult** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

ess / Client / get_delivery_log

get_delivery_log

`ess.Client.get_delivery_log(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_delivery_log(
    EndDate=datetime(2015, 1, 1),
    MaxItems=123,
    NextToken='string',
    StartDate=datetime(2015, 1, 1),
    Status=123
)
```

Parameters
- **EndDate** (*datetime*) – **[REQUIRED]**
- **MaxItems** (*integer*) –
- **NextToken** (*string*) –
- **StartDate** (*datetime*) – **[REQUIRED]**
- **Status** (*integer*) –

Return type dict
Returns

Response Syntax

```
{
    'Log': 'string',
    'LogCount': 'string',
    'NextToken': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure
- *(dict)* –
  - **Log** *(string)* –
  - **LogCount** *(string)* –
  - **NextToken** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

ess / Client / get_identity_dkim_attributes

get_identity_dkim_attributes

`ess.Client.`**`get_identity_dkim_attributes`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_identity_dkim_attributes(
    Identities=[
        'string',
    ]
)
```

Parameters **Identities** (*list*) – **[REQUIRED]**
- *(string)* –

Return type dict
Returns

Response Syntax

```
{
    'DkimAttributes': [
        {
            'Key': 'string',
            'Value': {
                'DkimEnabled': True|False,
                'DkimTokens': [
```

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```
                    'string',
                ],
                'DkimVerificationStatus': 'string'
            }
        },
    ],
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DkimAttributes** *(list)* –
    - *(dict)* –
      - **Key** *(string)* –
      - **Value** *(dict)* –
      - **DkimEnabled** *(boolean)* –
      - **DkimTokens** *(list)* –
      - *(string)* –
      - **DkimVerificationStatus** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

ess / Client / get_identity_verification_attributes

get_identity_verification_attributes

`ess.Client.`**`get_identity_verification_attributes`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_identity_verification_attributes(
    Identities=[
        'string',
    ]
)
```

Parameters **`Identities`** (*`list`*) – **[REQUIRED]**

- *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    },
    'VerificationAttributes': [
        {
            'Key': 'string',
            'Value': {
                'VerificationStatus': 'string',
```

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```
                'VerificationToken': 'string'
            }
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –
  - **VerificationAttributes** *(list)* –
    - *(dict)* –
      - **Key** *(string)* –
      - **Value** *(dict)* –
      - **VerificationStatus** *(string)* –
      - **VerificationToken** *(string)* –

ess / Client / get_paginator

get_paginator

`ess.Client.`**`get_paginator`**(*operation_name*)

Create a paginator for an operation.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Raises **OperationNotPageableError** – Raised if the operation is not pageable. You can use the `client.can_paginate` method to check if an operation is pageable.

Return type L{botocore.paginate.Paginator}

Returns A paginator object.

ess / Client / get_send_quota

get_send_quota

`ess.Client.`**`get_send_quota`**()

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_send_quota()
```

Return type dict

Returns

Response Syntax

```
{
    'Max24HourSend': 123.0,
    'MaxSendRate': 123.0,
    'ResponseMetadata': {
        'RequestId': 'string'
```

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```
    },
    'SentLast24Hours': 123.0
}
```

Response Structure

- *(dict)* –
  - **Max24HourSend** *(float)* –
  - **MaxSendRate** *(float)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –
  - **SentLast24Hours** *(float)* –

ess / Client / get_send_statistics

get_send_statistics

`ess.Client.`**`get_send_statistics`**`()`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_send_statistics()
```

Return type dict

Returns

Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    },
    'SendDataPoints': [
        {
            'Bounces': 123,
            'Complaints': 123,
            'DeliveryAttempts': 123,
            'Rejects': 123,
            'Timestamp': datetime(2015, 1, 1)
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –
  - **SendDataPoints** *(list)* –
    - *(dict)* –
      - **Bounces** *(integer)* –
      - **Complaints** *(integer)* –
      - **DeliveryAttempts** *(integer)* –
      - **Rejects** *(integer)* –
      - **Timestamp** *(datetime)* –

ess / Client / get_waiter

get_waiter

`ess.Client.get_waiter(waiter_name)`

Returns an object that can wait for some condition.

Parameters **waiter_name** (*str*) – The name of the waiter to get. See the waiters section of the service docs for a list of available waiters.

Returns The specified waiter object.

Return type botocore.waiter.Waiter

ess / Client / list_identities

list_identities

`ess.Client.list_identities(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.list_identities(
    IdentityType='EmailAddress'|'Domain',
    MaxItems=123,
    NextToken='string'
)
```

Parameters

- **IdentityType** (*string*) –
- **MaxItems** (*integer*) –
- **NextToken** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'Identities': [
        'string',
    ],
    'NextToken': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **Identities** *(list)* –
    - *(string)* –
  - **NextToken** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

ess / Client / send_email

send_email

`ess.Client.send_email(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.send_email(
    Destination={
        'ListOfRequestBccAddresses': [
            'string',
        ],
        'ListOfRequestCcAddresses': [
            'string',
        ],
        'ListOfRequestToAddresses': [
            'string',
        ]
    },
    Message={
        'RequestBody': {
            'RequestHtml': {
                'Charset': 'string',
                'Data': 'string'
            },
            'RequestText': {
                'Charset': 'string',
                'Data': 'string'
            }
        },
        'RequestSubject': {
            'Charset': 'string',
            'Data': 'string'
        }
    },
    ReplyToAddresses=[
        'string',
    ],
    ReturnPath='string',
    Source='string'
)
```

Parameters

- **Destination** (*dict*) –
  - **ListOfRequestBccAddresses** *(list)* –
    - *(string)* –
  - **ListOfRequestCcAddresses** *(list)* –
    - *(string)* –
  - **ListOfRequestToAddresses** *(list)* –
    - *(string)* –
- **Message** (*dict*) –
  - **RequestBody** *(dict)* –
    - **RequestHtml** *(dict)* –
      - **Charset** *(string)* –
      - **Data** *(string)* –
    - **RequestText** *(dict)* –
      - **Charset** *(string)* –

· **Data** *(string)* –
– **RequestSubject** *(dict)* –
* **Charset** *(string)* –
* **Data** *(string)* –
• **ReplyToAddresses** (*list*) –
– *(string)* –
• **ReturnPath** (*string*) –
• **Source** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'MessageId': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

• *(dict)* –
– **MessageId** *(string)* –
– **ResponseMetadata** *(dict)* –
* **RequestId** *(string)* –

ess / Client / send_raw_email

send_raw_email

ess.Client.**send_raw_email**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.send_raw_email(
    Destinations=[
        'string',
    ],
    RawMessage={
        'Data': 'string'
    },
    Source='string'
)
```

Parameters

• **Destinations** (*list*) –
– *(string)* –
• **RawMessage** (*dict*) – **[REQUIRED]**
– **Data** *(string)* – **[REQUIRED]**
• **Source** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'MessageId': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **MessageId** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

ess / Client / set_identity_dkim_enabled

set_identity_dkim_enabled

`ess.Client.`**`set_identity_dkim_enabled`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.set_identity_dkim_enabled(
    DkimEnabled='true'|'false',
    Identity='string'
)
```

Parameters

- **`DkimEnabled`** (*`string`*) – **[REQUIRED]**
- **`Identity`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    },
    'SetIdentityDkimEnabledResult': 'string'
}
```

Response Structure

- *(dict)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –
  - **SetIdentityDkimEnabledResult** *(string)* –

ess / Client / verify_domain_dkim

verify_domain_dkim

`ess.Client.`**`verify_domain_dkim`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.verify_domain_dkim(
    Domain='string'
)
```

Parameters **Domain** (*string*) – **[REQUIRED]**
Return type dict
Returns

Response Syntax

```
{
    'DkimTokens': [
        'string',
    ],
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DkimTokens** *(list)* –
    - *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

ess / Client / verify_domain_identity

verify_domain_identity

`ess.Client.`**`verify_domain_identity`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.verify_domain_identity(
    Domain='string'
)
```

Parameters **Domain** (*string*) – **[REQUIRED]**
Return type dict
Returns

Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    },
    'VerificationToken': 'string'
}
```

Response Structure

- *(dict)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –
  - **VerificationToken** *(string)* –

ess / Client / verify_email_identity

verify_email_identity

`ess.Client.`**`verify_email_identity`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.verify_email_identity(
    EmailAddress='string'
)
```

Parameters **`EmailAddress`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    },
    'VerifyEmailIdentityResult': 'string'
}
```

Response Structure

- *(dict)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –
  - **VerifyEmailIdentityResult** *(string)* –

1.3.2 Client Exceptions

Client exceptions are available on a client instance via the `exceptions` property. For more detailed instructions and examples on the exact usage of client exceptions, see the error handling user guide.

This client has no modeled exception classes.

1.4 hatoba

1.4.1 Client

`class` `hatoba.`**`Client`**

A low-level client representing NIFCLOUD Kubernetes Service Hatoba

```
client = session.create_client('hatoba')
```

These are the available methods:

hatoba / Client / attach_disk

attach_disk

`hatoba.Client.attach_disk(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.attach_disk(
    DiskName='string',
    NodeName='string'
)
```

Parameters

- **DiskName** (*string*) – **[REQUIRED]**
- **NodeName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Disk': {
        'Attachments': [
            {
                'AttachTime': 'string',
                'DevicePath': 'string',
                'NodeName': 'string',
                'Status': 'string'
            },
        ],
        'AvailabilityZone': 'string',
        'Cluster': {
            'Name': 'string'
        },
        'CreateTime': 'string',
        'Description': 'string',
        'Name': 'string',
        'Nrn': 'string',
        'Size': 123,
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Type': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **Disk** *(dict)* –
    - **Attachments** *(list)* –
      - *(dict)* –
      - **AttachTime** *(string)* –
      - **DevicePath** *(string)* –

- · **NodeName** *(string)* –
- · **Status** *(string)* –
- ∗ **AvailabilityZone** *(string)* –
- ∗ **Cluster** *(dict)* –
  - · **Name** *(string)* –
- ∗ **CreateTime** *(string)* –
- ∗ **Description** *(string)* –
- ∗ **Name** *(string)* –
- ∗ **Nrn** *(string)* –
- ∗ **Size** *(integer)* –
- ∗ **Status** *(string)* –
- ∗ **Tags** *(list)* –
  - · *(dict)* –
  - · **Id** *(string)* –
  - · **Key** *(string)* –
  - · **Value** *(string)* –
- ∗ **Type** *(string)* –

hatoba / Client / authorize_firewall_group

authorize_firewall_group

`hatoba.Client.`**`authorize_firewall_group`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.authorize_firewall_group(
    FirewallGroupName='string',
    Rules=[
        {
            'CidrIp': 'string',
            'Description': 'string',
            'Direction': 'IN'|'OUT',
            'FromPort': 123,
            'Protocol': 'ANY'|'TCP'|'UDP'|'ICMP'|'SSH'|'HTTP'|'HTTPS'|'RDP'|'GRE'|
↪'ESP'|'AH'|'VRRP'|'L2TP',
            'ToPort': 123
        },
    ]
)
```

Parameters

- **`FirewallGroupName`** (*`string`*) – **[REQUIRED]**
- **`Rules`** (*`list`*) – **[REQUIRED]**
  - *(dict)* –
    - ∗ **CidrIp** *(string)* – **[REQUIRED]**
    - ∗ **Description** *(string)* –
    - ∗ **Direction** *(string)* –
    - ∗ **FromPort** *(integer)* –
    - ∗ **Protocol** *(string)* –
    - ∗ **ToPort** *(integer)* –

Return type dict

Returns

Response Syntax

```
{
    'FirewallGroup': {
        'Description': 'string',
        'Name': 'string',
        'Nrn': 'string',
        'Rules': [
            {
                'CidrIp': 'string',
                'Description': 'string',
                'Direction': 'string',
                'FromPort': 123,
                'Id': 'string',
                'Protocol': 'string',
                'Status': 'string',
                'ToPort': 123
            },
        ],
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **FirewallGroup** *(dict)* –
    - **Description** *(string)* –
    - **Name** *(string)* –
    - **Nrn** *(string)* –
    - **Rules** *(list)* –
      - *(dict)* –
      - **CidrIp** *(string)* –
      - **Description** *(string)* –
      - **Direction** *(string)* –
      - **FromPort** *(integer)* –
      - **Id** *(string)* –
      - **Protocol** *(string)* –
      - **Status** *(string)* –
      - **ToPort** *(integer)* –
    - **Tags** *(list)* –
      - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Value** *(string)* –

hatoba / Client / can_paginate

can_paginate

`hatoba.Client.`**`can_paginate`**(*operation_name*)

Check if an operation can be paginated.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Returns `True` if the operation can be paginated, `False` otherwise.

hatoba / Client / close

close

`hatoba.Client.`**`close`**`()`

Closes underlying endpoint connections.

hatoba / Client / create_cluster

create_cluster

`hatoba.Client.`**`create_cluster`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_cluster(
    Cluster={
        'Description': 'string',
        'FirewallGroup': 'string',
        'KubernetesVersion': 'v1.23.3'|'v1.23.9'|'v1.24.3',
        'ListOfRequestLocations': [
            'string',
        ],
        'ListOfRequestNodePools': [
            {
                'InstanceType': 'c-medium'|'e-medium'|'medium'|'c-medium4'|'e-
↪medium4'|'medium4'|'c-medium8'|'e-medium8'|'medium8'|'e-medium16'|'medium16'|'e-
↪medium24'|'medium24'|'c-large'|'e-large'|'large'|'c-large8'|'e-large8'|'large8'|
↪'e-large16'|'large16'|'e-large24'|'large24'|'e-large32'|'large32'|'e-extra-
↪large8'|'extra-large8'|'e-extra-large16'|'extra-large16'|'e-extra-large24'|
↪'extra-large24'|'e-extra-large32'|'extra-large32'|'e-extra-large48'|'extra-
↪large48'|'e-double-large16'|'double-large16'|'e-double-large24'|'double-large24
↪'|'e-double-large32'|'double-large32'|'e-double-large48'|'double-large48'|'e-
↪double-large64'|'double-large64'|'e-double-large96'|'double-large96',
                'ListOfRequestTags': [
                    {
                        'Key': 'string',
                        'Value': 'string'
                    },
                ],
                'Name': 'string',
                'NodeCount': 123
            },
        ],
        'ListOfRequestTags': [
            {
                'Key': 'string',
                'Value': 'string'
```

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```
            },
        ],
        'Name': 'string',
        'RequestAddonsConfig': {
            'RequestHttpLoadBalancing': {
                'Disabled': True|False
            }
        },
        'RequestNetworkConfig': {
            'NetworkId': 'string'
        }
    }
)
```

Parameters **Cluster** (*dict*) – **[REQUIRED]**

- **Description** *(string)* –
- **FirewallGroup** *(string)* – **[REQUIRED]**
- **KubernetesVersion** *(string)* –
- **ListOfRequestLocations** *(list)* – **[REQUIRED]**
  - *(string)* –
- **ListOfRequestNodePools** *(list)* – **[REQUIRED]**
  - *(dict)* –
    - **InstanceType** *(string)* – **[REQUIRED]**
    - **ListOfRequestTags** *(list)* –
      - *(dict)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
    - **Name** *(string)* – **[REQUIRED]**
    - **NodeCount** *(integer)* –
- **ListOfRequestTags** *(list)* –
  - *(dict)* –
    - **Key** *(string)* –
    - **Value** *(string)* –
- **Name** *(string)* – **[REQUIRED]**
- **RequestAddonsConfig** *(dict)* –
  - **RequestHttpLoadBalancing** *(dict)* –
    - **Disabled** *(boolean)* –
- **RequestNetworkConfig** *(dict)* –
  - **NetworkId** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'Cluster': {
        'AddonsConfig': {
            'HttpLoadBalancing': {
                'Disabled': True|False
            }
        },
        'CreateTime': 'string',
        'Description': 'string',
        'FirewallGroup': 'string',
        'InitialKubernetesVersion': 'string',
```

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```
        'InitialNodeCount': 123,
        'KubernetesVersion': 'string',
        'Locations': [
            'string',
        ],
        'Name': 'string',
        'NetworkConfig': {
            'NetworkId': 'string'
        },
        'NodeCount': 123,
        'NodePools': [
            {
                'InitialNodeCount': 123,
                'InstanceType': 'string',
                'Name': 'string',
                'NodeCount': 123,
                'Nodes': [
                    {
                        'AvailabilityZone': 'string',
                        'Name': 'string',
                        'PrivateIpAddress': 'string',
                        'PublicIpAddress': 'string',
                        'Status': 'string'
                    },
                ],
                'Nrn': 'string',
                'Status': 'string',
                'Tags': [
                    {
                        'Id': 'string',
                        'Key': 'string',
                        'Value': 'string'
                    },
                ]
            },
        ],
        'Nrn': 'string',
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **Cluster** *(dict)* –
    - **AddonsConfig** *(dict)* –
      - **HttpLoadBalancing** *(dict)* –
      - **Disabled** *(boolean)* –
    - **CreateTime** *(string)* –
    - **Description** *(string)* –
    - **FirewallGroup** *(string)* –

- **InitialKubernetesVersion** *(string)* –
- **InitialNodeCount** *(integer)* –
- **KubernetesVersion** *(string)* –
- **Locations** *(list)* –
  - *(string)* –
- **Name** *(string)* –
- **NetworkConfig** *(dict)* –
  - **NetworkId** *(string)* –
- **NodeCount** *(integer)* –
- **NodePools** *(list)* –
  - *(dict)* –
  - **InitialNodeCount** *(integer)* –
  - **InstanceType** *(string)* –
  - **Name** *(string)* –
  - **NodeCount** *(integer)* –
  - **Nodes** *(list)* –
  - *(dict)* –
  - **AvailabilityZone** *(string)* –
  - **Name** *(string)* –
  - **PrivateIpAddress** *(string)* –
  - **PublicIpAddress** *(string)* –
  - **Status** *(string)* –
  - **Nrn** *(string)* –
  - **Status** *(string)* –
  - **Tags** *(list)* –
  - *(dict)* –
  - **Id** *(string)* –
  - **Key** *(string)* –
  - **Value** *(string)* –
- **Nrn** *(string)* –
- **Status** *(string)* –
- **Tags** *(list)* –
  - *(dict)* –
  - **Id** *(string)* –
  - **Key** *(string)* –
  - **Value** *(string)* –

hatoba / Client / create_disk

create_disk

`hatoba.Client.`**`create_disk`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_disk(
    Disk={
        'AvailabilityZone': 'string',
        'Description': 'string',
        'ListOfRequestTags': [
            {
                'Key': 'string',
                'Value': 'string'
```

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```
            },
        ],
        'Name': 'string',
        'Size': 123,
        'Type': 'standard-flash-a'|'standard-flash-b'|'high-speed-flash-a'|'high-
↪speed-flash-b'
    }
)
```

Parameters **Disk** (*dict*) – **[REQUIRED]**

- **AvailabilityZone** *(string)* –
- **Description** *(string)* –
- **ListOfRequestTags** *(list)* –
  - *(dict)* –
    - **Key** *(string)* –
    - **Value** *(string)* –
- **Name** *(string)* – **[REQUIRED]**
- **Size** *(integer)* – **[REQUIRED]**
- **Type** *(string)* – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Disk': {
        'Attachments': [
            {
                'AttachTime': 'string',
                'DevicePath': 'string',
                'NodeName': 'string',
                'Status': 'string'
            },
        ],
        'AvailabilityZone': 'string',
        'Cluster': {
            'Name': 'string'
        },
        'CreateTime': 'string',
        'Description': 'string',
        'Name': 'string',
        'Nrn': 'string',
        'Size': 123,
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Type': 'string'
    }
}
```

Response Structure

- *(dict)* –

- **Disk** *(dict)* –
  - **Attachments** *(list)* –
    - *(dict)* –
    - **AttachTime** *(string)* –
    - **DevicePath** *(string)* –
    - **NodeName** *(string)* –
    - **Status** *(string)* –
  - **AvailabilityZone** *(string)* –
  - **Cluster** *(dict)* –
    - **Name** *(string)* –
  - **CreateTime** *(string)* –
  - **Description** *(string)* –
  - **Name** *(string)* –
  - **Nrn** *(string)* –
  - **Size** *(integer)* –
  - **Status** *(string)* –
  - **Tags** *(list)* –
    - *(dict)* –
    - **Id** *(string)* –
    - **Key** *(string)* –
    - **Value** *(string)* –
  - **Type** *(string)* –

hatoba / Client / create_firewall_group

create_firewall_group

`hatoba.Client.`**`create_firewall_group`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_firewall_group(
    FirewallGroup={
        'Description': 'string',
        'ListOfRequestTags': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Name': 'string'
    }
)
```

Parameters **`FirewallGroup`** *(dict)* – **[REQUIRED]**

- **Description** *(string)* –
- **ListOfRequestTags** *(list)* –
  - *(dict)* –
    - **Key** *(string)* –
    - **Value** *(string)* –
- **Name** *(string)* – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'FirewallGroup': {
        'Description': 'string',
        'Name': 'string',
        'Nrn': 'string',
        'Rules': [
            {
                'CidrIp': 'string',
                'Description': 'string',
                'Direction': 'string',
                'FromPort': 123,
                'Id': 'string',
                'Protocol': 'string',
                'Status': 'string',
                'ToPort': 123
            },
        ],
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **FirewallGroup** *(dict)* –
    - **Description** *(string)* –
    - **Name** *(string)* –
    - **Nrn** *(string)* –
    - **Rules** *(list)* –
      - *(dict)* –
      - **CidrIp** *(string)* –
      - **Description** *(string)* –
      - **Direction** *(string)* –
      - **FromPort** *(integer)* –
      - **Id** *(string)* –
      - **Protocol** *(string)* –
      - **Status** *(string)* –
      - **ToPort** *(integer)* –
    - **Tags** *(list)* –
      - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Value** *(string)* –

hatoba / Client / create_node_pool

create_node_pool

`hatoba.Client.`**`create_node_pool`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_node_pool(
    ClusterName='string',
    NodePool={
        'InstanceType': 'c-medium'|'e-medium'|'medium'|'c-medium4'|'e-medium4'|
↪'medium4'|'c-medium8'|'e-medium8'|'medium8'|'e-medium16'|'medium16'|'e-medium24
↪'|'medium24'|'c-large'|'e-large'|'large'|'c-large8'|'e-large8'|'large8'|'e-
↪large16'|'large16'|'e-large24'|'large24'|'e-large32'|'large32'|'e-extra-large8'|
↪'extra-large8'|'e-extra-large16'|'extra-large16'|'e-extra-large24'|'extra-
↪large24'|'e-extra-large32'|'extra-large32'|'e-extra-large48'|'extra-large48'|'e-
↪double-large16'|'double-large16'|'e-double-large24'|'double-large24'|'e-double-
↪large32'|'double-large32'|'e-double-large48'|'double-large48'|'e-double-large64
↪'|'double-large64'|'e-double-large96'|'double-large96',
        'ListOfRequestTags': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Name': 'string',
        'NodeCount': 123
    }
)
```

Parameters

- **ClusterName** (*string*) – **[REQUIRED]**
- **NodePool** (*dict*) – **[REQUIRED]**
  - **InstanceType** *(string)* – **[REQUIRED]**
  - **ListOfRequestTags** *(list)* –
    - *(dict)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
  - **Name** *(string)* – **[REQUIRED]**
  - **NodeCount** *(integer)* –

Return type dict

Returns

Response Syntax

```
{
    'NodePool': {
        'InitialNodeCount': 123,
        'InstanceType': 'string',
        'Name': 'string',
        'NodeCount': 123,
        'Nodes': [
            {
                'AvailabilityZone': 'string',
                'Name': 'string',
                'PrivateIpAddress': 'string',
                'PublicIpAddress': 'string',
                'Status': 'string'
            },
        ],
        'Nrn': 'string',
        'Status': 'string',
```

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```
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **NodePool** *(dict)* –
    - **InitialNodeCount** *(integer)* –
    - **InstanceType** *(string)* –
    - **Name** *(string)* –
    - **NodeCount** *(integer)* –
    - **Nodes** *(list)* –
      - *(dict)* –
      - **AvailabilityZone** *(string)* –
      - **Name** *(string)* –
      - **PrivateIpAddress** *(string)* –
      - **PublicIpAddress** *(string)* –
      - **Status** *(string)* –
    - **Nrn** *(string)* –
    - **Status** *(string)* –
    - **Tags** *(list)* –
      - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Value** *(string)* –

hatoba / Client / create_snapshot

create_snapshot

`hatoba.Client.`**`create_snapshot`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_snapshot(
    Snapshot={
        'Description': 'string',
        'ExpirationTime': 'string',
        'ListOfRequestTags': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Name': 'string',
        'RequestCluster': {
            'Name': 'string'
```

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```
        }
    }
)
```

Parameters **Snapshot** (*dict*) – **[REQUIRED]**

- **Description** *(string)* –
- **ExpirationTime** *(string)* –
- **ListOfRequestTags** *(list)* –
  - *(dict)* –
    - **Key** *(string)* –
    - **Value** *(string)* –
- **Name** *(string)* – **[REQUIRED]**
- **RequestCluster** *(dict)* – **[REQUIRED]**
  - **Name** *(string)* – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Snapshot': {
        'Cluster': {
            'KubernetesVersion': 'string',
            'Name': 'string',
            'NodePools': [
                {
                    'InstanceType': 'string',
                    'Name': 'string',
                    'NodeCount': 123
                },
            ]
        },
        'CreateTime': 'string',
        'Description': 'string',
        'ExpirationTime': 'string',
        'Name': 'string',
        'Nrn': 'string',
        'ResourceVersion': 'string',
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **Snapshot** *(dict)* –
    - **Cluster** *(dict)* –
      - **KubernetesVersion** *(string)* –
      - **Name** *(string)* –
      - **NodePools** *(list)* –

        - *(dict)* –
        - **InstanceType** *(string)* –
        - **Name** *(string)* –
        - **NodeCount** *(integer)* –
    - **CreateTime** *(string)* –
    - **Description** *(string)* –
    - **ExpirationTime** *(string)* –
    - **Name** *(string)* –
    - **Nrn** *(string)* –
    - **ResourceVersion** *(string)* –
    - **Status** *(string)* –
    - **Tags** *(list)* –
        - *(dict)* –
        - **Id** *(string)* –
        - **Key** *(string)* –
        - **Value** *(string)* –

hatoba / Client / create_tags

create_tags

`hatoba.Client.`**`create_tags`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_tags(
    Tags=[
        {
            'Key': 'string',
            'Nrn': 'string',
            'Value': 'string'
        },
    ]
)
```

Parameters **`Tags`** (*`list`*) – **[REQUIRED]**

- *(dict)* –
    - **Key** *(string)* – **[REQUIRED]**
    - **Nrn** *(string)* – **[REQUIRED]**
    - **Value** *(string)* – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Tags': [
        {
            'Id': 'string',
            'Key': 'string',
            'Nrn': 'string',
            'Value': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **Tags** *(list)* –
    - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Nrn** *(string)* –
      - **Value** *(string)* –

hatoba / Client / delete_cluster

delete_cluster

`hatoba.Client.delete_cluster(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_cluster(
    ClusterName='string'
)
```

Parameters **ClusterName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Cluster': {
        'AddonsConfig': {
            'HttpLoadBalancing': {
                'Disabled': True|False
            }
        },
        'CreateTime': 'string',
        'Description': 'string',
        'FirewallGroup': 'string',
        'InitialKubernetesVersion': 'string',
        'InitialNodeCount': 123,
        'KubernetesVersion': 'string',
        'Locations': [
            'string',
        ],
        'Name': 'string',
        'NetworkConfig': {
            'NetworkId': 'string'
        },
        'NodeCount': 123,
        'NodePools': [
            {
                'InitialNodeCount': 123,
                'InstanceType': 'string',
                'Name': 'string',
                'NodeCount': 123,
                'Nodes': [
                    {
```

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```
                        'AvailabilityZone': 'string',
                        'Name': 'string',
                        'PrivateIpAddress': 'string',
                        'PublicIpAddress': 'string',
                        'Status': 'string'
                    },
                ],
                'Nrn': 'string',
                'Status': 'string',
                'Tags': [
                    {
                        'Id': 'string',
                        'Key': 'string',
                        'Value': 'string'
                    },
                ]
            },
        ],
        'Nrn': 'string',
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **Cluster** *(dict)* –
    - **AddonsConfig** *(dict)* –
      - **HttpLoadBalancing** *(dict)* –
      - **Disabled** *(boolean)* –
    - **CreateTime** *(string)* –
    - **Description** *(string)* –
    - **FirewallGroup** *(string)* –
    - **InitialKubernetesVersion** *(string)* –
    - **InitialNodeCount** *(integer)* –
    - **KubernetesVersion** *(string)* –
    - **Locations** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
    - **NetworkConfig** *(dict)* –
      - **NetworkId** *(string)* –
    - **NodeCount** *(integer)* –
    - **NodePools** *(list)* –
      - *(dict)* –
      - **InitialNodeCount** *(integer)* –
      - **InstanceType** *(string)* –
      - **Name** *(string)* –
      - **NodeCount** *(integer)* –
      - **Nodes** *(list)* –

- *(dict)* –
- **AvailabilityZone** *(string)* –
- **Name** *(string)* –
- **PrivateIpAddress** *(string)* –
- **PublicIpAddress** *(string)* –
- **Status** *(string)* –
- **Nrn** *(string)* –
- **Status** *(string)* –
- **Tags** *(list)* –
- *(dict)* –
- **Id** *(string)* –
- **Key** *(string)* –
- **Value** *(string)* –

* **Nrn** *(string)* –
* **Status** *(string)* –
* **Tags** *(list)* –
  - *(dict)* –
  - **Id** *(string)* –
  - **Key** *(string)* –
  - **Value** *(string)* –

hatoba / Client / delete_clusters

delete_clusters

`hatoba.Client.`**`delete_clusters`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_clusters(
    Names='string'
)
```

Parameters **Names** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Clusters': [
        {
            'AddonsConfig': {
                'HttpLoadBalancing': {
                    'Disabled': True|False
                }
            },
            'CreateTime': 'string',
            'Description': 'string',
            'FirewallGroup': 'string',
            'InitialKubernetesVersion': 'string',
            'InitialNodeCount': 123,
            'KubernetesVersion': 'string',
            'Locations': [
                'string',
```

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```
            ],
            'Name': 'string',
            'NetworkConfig': {
                'NetworkId': 'string'
            },
            'NodeCount': 123,
            'NodePools': [
                {
                    'InitialNodeCount': 123,
                    'InstanceType': 'string',
                    'Name': 'string',
                    'NodeCount': 123,
                    'Nodes': [
                        {
                            'AvailabilityZone': 'string',
                            'Name': 'string',
                            'PrivateIpAddress': 'string',
                            'PublicIpAddress': 'string',
                            'Status': 'string'
                        },
                    ],
                    'Nrn': 'string',
                    'Status': 'string',
                    'Tags': [
                        {
                            'Id': 'string',
                            'Key': 'string',
                            'Value': 'string'
                        },
                    ]
                },
            ],
            'Nrn': 'string',
            'Status': 'string',
            'Tags': [
                {
                    'Id': 'string',
                    'Key': 'string',
                    'Value': 'string'
                },
            ]
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **Clusters** *(list)* –
    - *(dict)* –
      - **AddonsConfig** *(dict)* –
      - **HttpLoadBalancing** *(dict)* –
      - **Disabled** *(boolean)* –
      - **CreateTime** *(string)* –
      - **Description** *(string)* –
      - **FirewallGroup** *(string)* –
      - **InitialKubernetesVersion** *(string)* –

- **InitialNodeCount** *(integer)* –
- **KubernetesVersion** *(string)* –
- **Locations** *(list)* –
- *(string)* –
- **Name** *(string)* –
- **NetworkConfig** *(dict)* –
- **NetworkId** *(string)* –
- **NodeCount** *(integer)* –
- **NodePools** *(list)* –
- *(dict)* –
- **InitialNodeCount** *(integer)* –
- **InstanceType** *(string)* –
- **Name** *(string)* –
- **NodeCount** *(integer)* –
- **Nodes** *(list)* –
- *(dict)* –
- **AvailabilityZone** *(string)* –
- **Name** *(string)* –
- **PrivateIpAddress** *(string)* –
- **PublicIpAddress** *(string)* –
- **Status** *(string)* –
- **Nrn** *(string)* –
- **Status** *(string)* –
- **Tags** *(list)* –
- *(dict)* –
- **Id** *(string)* –
- **Key** *(string)* –
- **Value** *(string)* –
- **Nrn** *(string)* –
- **Status** *(string)* –
- **Tags** *(list)* –
- *(dict)* –
- **Id** *(string)* –
- **Key** *(string)* –
- **Value** *(string)* –

hatoba / Client / delete_disk

delete_disk

`hatoba.Client.`**`delete_disk`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_disk(
    DiskName='string'
)
```

Parameters **`DiskName`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Disk': {
        'Attachments': [
            {
                'AttachTime': 'string',
                'DevicePath': 'string',
                'NodeName': 'string',
                'Status': 'string'
            },
        ],
        'AvailabilityZone': 'string',
        'Cluster': {
            'Name': 'string'
        },
        'CreateTime': 'string',
        'Description': 'string',
        'Name': 'string',
        'Nrn': 'string',
        'Size': 123,
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Type': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **Disk** *(dict)* –
    - **Attachments** *(list)* –
      - *(dict)* –
      - **AttachTime** *(string)* –
      - **DevicePath** *(string)* –
      - **NodeName** *(string)* –
      - **Status** *(string)* –
    - **AvailabilityZone** *(string)* –
    - **Cluster** *(dict)* –
      - **Name** *(string)* –
    - **CreateTime** *(string)* –
    - **Description** *(string)* –
    - **Name** *(string)* –
    - **Nrn** *(string)* –
    - **Size** *(integer)* –
    - **Status** *(string)* –
    - **Tags** *(list)* –
      - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
    - **Type** *(string)* –

hatoba / Client / delete_disks

delete_disks

`hatoba.Client.`**`delete_disks`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_disks(
    Names='string'
)
```

Parameters **Names** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Disks': [
        {
            'Attachments': [
                {
                    'AttachTime': 'string',
                    'DevicePath': 'string',
                    'NodeName': 'string',
                    'Status': 'string'
                },
            ],
            'AvailabilityZone': 'string',
            'Cluster': {
                'Name': 'string'
            },
            'CreateTime': 'string',
            'Description': 'string',
            'Name': 'string',
            'Nrn': 'string',
            'Size': 123,
            'Status': 'string',
            'Tags': [
                {
                    'Id': 'string',
                    'Key': 'string',
                    'Value': 'string'
                },
            ],
            'Type': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **Disks** *(list)* –
    - *(dict)* –
      - **Attachments** *(list)* –
      - *(dict)* –

- **AttachTime** *(string)* –
- **DevicePath** *(string)* –
- **NodeName** *(string)* –
- **Status** *(string)* –
- **AvailabilityZone** *(string)* –
- **Cluster** *(dict)* –
- **Name** *(string)* –
- **CreateTime** *(string)* –
- **Description** *(string)* –
- **Name** *(string)* –
- **Nrn** *(string)* –
- **Size** *(integer)* –
- **Status** *(string)* –
- **Tags** *(list)* –
- *(dict)* –
- **Id** *(string)* –
- **Key** *(string)* –
- **Value** *(string)* –
- **Type** *(string)* –

hatoba / Client / delete_firewall_group

delete_firewall_group

`hatoba.Client.`**`delete_firewall_group`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_firewall_group(
    FirewallGroupName='string'
)
```

Parameters **`FirewallGroupName`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'FirewallGroup': {
        'Description': 'string',
        'Name': 'string',
        'Nrn': 'string',
        'Rules': [
            {
                'CidrIp': 'string',
                'Description': 'string',
                'Direction': 'string',
                'FromPort': 123,
                'Id': 'string',
                'Protocol': 'string',
                'Status': 'string',
                'ToPort': 123
            },
        ],
```

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```
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **FirewallGroup** *(dict)* –
    - **Description** *(string)* –
    - **Name** *(string)* –
    - **Nrn** *(string)* –
    - **Rules** *(list)* –
      - *(dict)* –
      - **CidrIp** *(string)* –
      - **Description** *(string)* –
      - **Direction** *(string)* –
      - **FromPort** *(integer)* –
      - **Id** *(string)* –
      - **Protocol** *(string)* –
      - **Status** *(string)* –
      - **ToPort** *(integer)* –
    - **Tags** *(list)* –
      - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Value** *(string)* –

hatoba / Client / delete_firewall_groups

delete_firewall_groups

`hatoba.Client.`**`delete_firewall_groups`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_firewall_groups(
    Names='string'
)
```

Parameters **Names** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'FirewallGroups': [
        {
```

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```
            'Description': 'string',
            'Name': 'string',
            'Nrn': 'string',
            'Rules': [
                {
                    'CidrIp': 'string',
                    'Description': 'string',
                    'Direction': 'string',
                    'FromPort': 123,
                    'Id': 'string',
                    'Protocol': 'string',
                    'Status': 'string',
                    'ToPort': 123
                },
            ],
            'Tags': [
                {
                    'Id': 'string',
                    'Key': 'string',
                    'Value': 'string'
                },
            ]
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **FirewallGroups** *(list)* –
    - *(dict)* –
      - **Description** *(string)* –
      - **Name** *(string)* –
      - **Nrn** *(string)* –
      - **Rules** *(list)* –
      - *(dict)* –
      - **CidrIp** *(string)* –
      - **Description** *(string)* –
      - **Direction** *(string)* –
      - **FromPort** *(integer)* –
      - **Id** *(string)* –
      - **Protocol** *(string)* –
      - **Status** *(string)* –
      - **ToPort** *(integer)* –
      - **Tags** *(list)* –
      - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Value** *(string)* –

hatoba / Client / delete_node_pool

delete_node_pool

`hatoba.Client.`**`delete_node_pool`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_node_pool(
    ClusterName='string',
    NodePoolName='string'
)
```

Parameters

- **ClusterName** (*string*) – **[REQUIRED]**
- **NodePoolName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NodePool': {
        'InitialNodeCount': 123,
        'InstanceType': 'string',
        'Name': 'string',
        'NodeCount': 123,
        'Nodes': [
            {
                'AvailabilityZone': 'string',
                'Name': 'string',
                'PrivateIpAddress': 'string',
                'PublicIpAddress': 'string',
                'Status': 'string'
            },
        ],
        'Nrn': 'string',
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **NodePool** *(dict)* –
    - **InitialNodeCount** *(integer)* –
    - **InstanceType** *(string)* –
    - **Name** *(string)* –
    - **NodeCount** *(integer)* –
    - **Nodes** *(list)* –
      - *(dict)* –
      - **AvailabilityZone** *(string)* –
      - **Name** *(string)* –
      - **PrivateIpAddress** *(string)* –
      - **PublicIpAddress** *(string)* –
      - **Status** *(string)* –
    - **Nrn** *(string)* –

- **Status** *(string)* –
- **Tags** *(list)* –
  - *(dict)* –
  - **Id** *(string)* –
  - **Key** *(string)* –
  - **Value** *(string)* –

hatoba / Client / delete_node_pools

delete_node_pools

`hatoba.Client.`**`delete_node_pools`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_node_pools(
    ClusterName='string',
    Names='string'
)
```

Parameters

- **`ClusterName`** (*`string`*) – **[REQUIRED]**
- **`Names`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NodePools': [
        {
            'InitialNodeCount': 123,
            'InstanceType': 'string',
            'Name': 'string',
            'NodeCount': 123,
            'Nodes': [
                {
                    'AvailabilityZone': 'string',
                    'Name': 'string',
                    'PrivateIpAddress': 'string',
                    'PublicIpAddress': 'string',
                    'Status': 'string'
                },
            ],
            'Nrn': 'string',
            'Status': 'string',
            'Tags': [
                {
                    'Id': 'string',
                    'Key': 'string',
                    'Value': 'string'
                },
            ]
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **NodePools** *(list)* –
    - *(dict)* –
      - **InitialNodeCount** *(integer)* –
      - **InstanceType** *(string)* –
      - **Name** *(string)* –
      - **NodeCount** *(integer)* –
      - **Nodes** *(list)* –
      - *(dict)* –
      - **AvailabilityZone** *(string)* –
      - **Name** *(string)* –
      - **PrivateIpAddress** *(string)* –
      - **PublicIpAddress** *(string)* –
      - **Status** *(string)* –
      - **Nrn** *(string)* –
      - **Status** *(string)* –
      - **Tags** *(list)* –
      - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Value** *(string)* –

hatoba / Client / delete_snapshot

delete_snapshot

`hatoba.Client.`**`delete_snapshot`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_snapshot(
    SnapshotName='string'
)
```

Parameters **`SnapshotName`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Snapshot': {
        'Cluster': {
            'KubernetesVersion': 'string',
            'Name': 'string',
            'NodePools': [
                {
                    'InstanceType': 'string',
                    'Name': 'string',
                    'NodeCount': 123
                },
            ]
        },
        'CreateTime': 'string',
```

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```
        'Description': 'string',
        'ExpirationTime': 'string',
        'Name': 'string',
        'Nrn': 'string',
        'ResourceVersion': 'string',
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **Snapshot** *(dict)* –
    - **Cluster** *(dict)* –
      - **KubernetesVersion** *(string)* –
      - **Name** *(string)* –
      - **NodePools** *(list)* –
      - *(dict)* –
      - **InstanceType** *(string)* –
      - **Name** *(string)* –
      - **NodeCount** *(integer)* –
    - **CreateTime** *(string)* –
    - **Description** *(string)* –
    - **ExpirationTime** *(string)* –
    - **Name** *(string)* –
    - **Nrn** *(string)* –
    - **ResourceVersion** *(string)* –
    - **Status** *(string)* –
    - **Tags** *(list)* –
      - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Value** *(string)* –

hatoba / Client / delete_snapshots

delete_snapshots

`hatoba.Client.`**`delete_snapshots`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_snapshots(
    Names='string'
)
```

Parameters **Names** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'Snapshots': [
        {
            'Cluster': {
                'KubernetesVersion': 'string',
                'Name': 'string',
                'NodePools': [
                    {
                        'InstanceType': 'string',
                        'Name': 'string',
                        'NodeCount': 123
                    },
                ]
            },
            'CreateTime': 'string',
            'Description': 'string',
            'ExpirationTime': 'string',
            'Name': 'string',
            'Nrn': 'string',
            'ResourceVersion': 'string',
            'Status': 'string',
            'Tags': [
                {
                    'Id': 'string',
                    'Key': 'string',
                    'Value': 'string'
                },
            ]
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **Snapshots** *(list)* –
    - *(dict)* –
      - **Cluster** *(dict)* –
      - **KubernetesVersion** *(string)* –
      - **Name** *(string)* –
      - **NodePools** *(list)* –
      - *(dict)* –
      - **InstanceType** *(string)* –
      - **Name** *(string)* –
      - **NodeCount** *(integer)* –
      - **CreateTime** *(string)* –
      - **Description** *(string)* –
      - **ExpirationTime** *(string)* –
      - **Name** *(string)* –
      - **Nrn** *(string)* –
      - **ResourceVersion** *(string)* –
      - **Status** *(string)* –
      - **Tags** *(list)* –
      - *(dict)* –

- **Id** *(string)* –
- **Key** *(string)* –
- **Value** *(string)* –

hatoba / Client / delete_tags

delete_tags

`hatoba.Client.`**`delete_tags`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_tags(
    Ids='string'
)
```

Parameters **`Ids`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Tags': [
        {
            'Id': 'string',
            'Key': 'string',
            'Nrn': 'string',
            'Value': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **Tags** *(list)* –
    - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Nrn** *(string)* –
      - **Value** *(string)* –

hatoba / Client / detach_disk

detach_disk

`hatoba.Client.`**`detach_disk`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.detach_disk(
    DiskName='string',
    NodeName='string'
)
```

Parameters

- **DiskName** (*string*) – **[REQUIRED]**
- **NodeName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Disk': {
        'Attachments': [
            {
                'AttachTime': 'string',
                'DevicePath': 'string',
                'NodeName': 'string',
                'Status': 'string'
            },
        ],
        'AvailabilityZone': 'string',
        'Cluster': {
            'Name': 'string'
        },
        'CreateTime': 'string',
        'Description': 'string',
        'Name': 'string',
        'Nrn': 'string',
        'Size': 123,
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Type': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **Disk** *(dict)* –
    - **Attachments** *(list)* –
      - *(dict)* –
      - **AttachTime** *(string)* –
      - **DevicePath** *(string)* –
      - **NodeName** *(string)* –
      - **Status** *(string)* –
    - **AvailabilityZone** *(string)* –
    - **Cluster** *(dict)* –
      - **Name** *(string)* –
    - **CreateTime** *(string)* –
    - **Description** *(string)* –
    - **Name** *(string)* –
    - **Nrn** *(string)* –
    - **Size** *(integer)* –
    - **Status** *(string)* –

- **Tags** *(list)* –
  - *(dict)* –
  - **Id** *(string)* –
  - **Key** *(string)* –
  - **Value** *(string)* –
- **Type** *(string)* –

hatoba / Client / get_cluster

get_cluster

`hatoba.Client.get_cluster(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_cluster(
    ClusterName='string'
)
```

Parameters **ClusterName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Cluster': {
        'AddonsConfig': {
            'HttpLoadBalancing': {
                'Disabled': True|False
            }
        },
        'CreateTime': 'string',
        'Description': 'string',
        'FirewallGroup': 'string',
        'InitialKubernetesVersion': 'string',
        'InitialNodeCount': 123,
        'KubernetesVersion': 'string',
        'Locations': [
            'string',
        ],
        'Name': 'string',
        'NetworkConfig': {
            'NetworkId': 'string'
        },
        'NodeCount': 123,
        'NodePools': [
            {
                'InitialNodeCount': 123,
                'InstanceType': 'string',
                'Name': 'string',
                'NodeCount': 123,
                'Nodes': [
                    {
                        'AvailabilityZone': 'string',
                        'Name': 'string',
```

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```
                        'PrivateIpAddress': 'string',
                        'PublicIpAddress': 'string',
                        'Status': 'string'
                    },
                ],
                'Nrn': 'string',
                'Status': 'string',
                'Tags': [
                    {
                        'Id': 'string',
                        'Key': 'string',
                        'Value': 'string'
                    },
                ]
            },
        ],
        'Nrn': 'string',
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **Cluster** *(dict)* –
    - **AddonsConfig** *(dict)* –
      - **HttpLoadBalancing** *(dict)* –
      - **Disabled** *(boolean)* –
    - **CreateTime** *(string)* –
    - **Description** *(string)* –
    - **FirewallGroup** *(string)* –
    - **InitialKubernetesVersion** *(string)* –
    - **InitialNodeCount** *(integer)* –
    - **KubernetesVersion** *(string)* –
    - **Locations** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
    - **NetworkConfig** *(dict)* –
      - **NetworkId** *(string)* –
    - **NodeCount** *(integer)* –
    - **NodePools** *(list)* –
      - *(dict)* –
      - **InitialNodeCount** *(integer)* –
      - **InstanceType** *(string)* –
      - **Name** *(string)* –
      - **NodeCount** *(integer)* –
      - **Nodes** *(list)* –
      - *(dict)* –
      - **AvailabilityZone** *(string)* –

- **Name** *(string)* –
- **PrivateIpAddress** *(string)* –
- **PublicIpAddress** *(string)* –
- **Status** *(string)* –
- **Nrn** *(string)* –
- **Status** *(string)* –
- **Tags** *(list)* –
- *(dict)* –
- **Id** *(string)* –
- **Key** *(string)* –
- **Value** *(string)* –

* **Nrn** *(string)* –
* **Status** *(string)* –
* **Tags** *(list)* –
  - *(dict)* –
  - **Id** *(string)* –
  - **Key** *(string)* –
  - **Value** *(string)* –

hatoba / Client / get_cluster_credentials

get_cluster_credentials

`hatoba.Client.`**`get_cluster_credentials`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_cluster_credentials(
    ClusterName='string'
)
```

Parameters **`ClusterName`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Credentials': 'string'
}
```

Response Structure

- *(dict)* –
  - **Credentials** *(string)* –

hatoba / Client / get_disk

get_disk

`hatoba.Client.`**`get_disk`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_disk(
    DiskName='string'
)
```

Parameters **DiskName** (*string*) – **[REQUIRED]**
Return type dict
Returns

Response Syntax

```
{
    'Disk': {
        'Attachments': [
            {
                'AttachTime': 'string',
                'DevicePath': 'string',
                'NodeName': 'string',
                'Status': 'string'
            },
        ],
        'AvailabilityZone': 'string',
        'Cluster': {
            'Name': 'string'
        },
        'CreateTime': 'string',
        'Description': 'string',
        'Name': 'string',
        'Nrn': 'string',
        'Size': 123,
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Type': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **Disk** *(dict)* –
    - **Attachments** *(list)* –
      - *(dict)* –
      - **AttachTime** *(string)* –
      - **DevicePath** *(string)* –
      - **NodeName** *(string)* –
      - **Status** *(string)* –
    - **AvailabilityZone** *(string)* –
    - **Cluster** *(dict)* –
      - **Name** *(string)* –
    - **CreateTime** *(string)* –
    - **Description** *(string)* –
    - **Name** *(string)* –
    - **Nrn** *(string)* –

* **Size** *(integer)* –
* **Status** *(string)* –
* **Tags** *(list)* –
  - *(dict)* –
  - **Id** *(string)* –
  - **Key** *(string)* –
  - **Value** *(string)* –
* **Type** *(string)* –

hatoba / Client / get_firewall_group

get_firewall_group

`hatoba.Client.`**`get_firewall_group`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_firewall_group(
    FirewallGroupName='string'
)
```

Parameters **`FirewallGroupName`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'FirewallGroup': {
        'Description': 'string',
        'Name': 'string',
        'Nrn': 'string',
        'Rules': [
            {
                'CidrIp': 'string',
                'Description': 'string',
                'Direction': 'string',
                'FromPort': 123,
                'Id': 'string',
                'Protocol': 'string',
                'Status': 'string',
                'ToPort': 123
            },
        ],
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **FirewallGroup** *(dict)* –

- **Description** *(string)* –
- **Name** *(string)* –
- **Nrn** *(string)* –
- **Rules** *(list)* –
  - *(dict)* –
  - **CidrIp** *(string)* –
  - **Description** *(string)* –
  - **Direction** *(string)* –
  - **FromPort** *(integer)* –
  - **Id** *(string)* –
  - **Protocol** *(string)* –
  - **Status** *(string)* –
  - **ToPort** *(integer)* –
- **Tags** *(list)* –
  - *(dict)* –
  - **Id** *(string)* –
  - **Key** *(string)* –
  - **Value** *(string)* –

hatoba / Client / get_load_balancer

get_load_balancer

`hatoba.Client.`**`get_load_balancer`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_load_balancer(
    InstancePort=123,
    LoadBalancerName='string',
    LoadBalancerPort=123
)
```

Parameters

- **`InstancePort`** (*`integer`*) – **[REQUIRED]**
- **`LoadBalancerName`** (*`string`*) – **[REQUIRED]**
- **`LoadBalancerPort`** (*`integer`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'LoadBalancers': {
        'AccountingType': 123,
        'AvailabilityZones': [
            'string',
        ],
        'Clusters': [
            {
                'Name': 'string',
                'NodePools': [
                    {
                        'Name': 'string',
                        'NodeCount': 123,
```

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```
                        'Nodes': [
                            {
                                'AvailabilityZone': 'string',
                                'HealthCheckState': 'string',
                                'Name': 'string',
                                'PublicIpAddress': 'string'
                            },
                        ]
                    },
                ]
            },
        ],
        'CreatedTime': 'string',
        'Description': 'string',
        'DnsName': 'string',
        'Filter': {
            'FilterType': 'string',
            'IpAddresses': 'string'
        },
        'HealthCheck': {
            'HealthyThreshold': 123,
            'Interval': 123,
            'Target': 'string',
            'Timeout': 123,
            'UnhealthyThreshold': 123
        },
        'ListenerDescriptions': [
            {
                'Listener': {
                    'BalancingType': 'string',
                    'InstancePort': 'string',
                    'LoadBalancerPort': 'string',
                    'Protocol': 'string',
                    'SslCertificateId': 'string'
                }
            },
        ],
        'LoadBalancerName': 'string',
        'NetworkVolume': 'string',
        'NextMonthAccountingType': 123,
        'Option': {
            'SessionStickinessPolicy': {
                'Enabled': True|False,
                'ExpirationPeriod': 123
            },
            'SorryPage': {
                'Enabled': True|False,
                'StatusCode': 123
            }
        },
        'PolicyType': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **LoadBalancers** *(dict)* –

- **AccountingType** *(integer)* –
- **AvailabilityZones** *(list)* –
  - *(string)* –
- **Clusters** *(list)* –
  - *(dict)* –
  - **Name** *(string)* –
  - **NodePools** *(list)* –
  - *(dict)* –
  - **Name** *(string)* –
  - **NodeCount** *(integer)* –
  - **Nodes** *(list)* –
  - *(dict)* –
  - **AvailabilityZone** *(string)* –
  - **HealthCheckState** *(string)* –
  - **Name** *(string)* –
  - **PublicIpAddress** *(string)* –
- **CreatedTime** *(string)* –
- **Description** *(string)* –
- **DnsName** *(string)* –
- **Filter** *(dict)* –
  - **FilterType** *(string)* –
  - **IpAddresses** *(string)* –
- **HealthCheck** *(dict)* –
  - **HealthyThreshold** *(integer)* –
  - **Interval** *(integer)* –
  - **Target** *(string)* –
  - **Timeout** *(integer)* –
  - **UnhealthyThreshold** *(integer)* –
- **ListenerDescriptions** *(list)* –
  - *(dict)* –
  - **Listener** *(dict)* –
  - **BalancingType** *(string)* –
  - **InstancePort** *(string)* –
  - **LoadBalancerPort** *(string)* –
  - **Protocol** *(string)* –
  - **SslCertificateId** *(string)* –
- **LoadBalancerName** *(string)* –
- **NetworkVolume** *(string)* –
- **NextMonthAccountingType** *(integer)* –
- **Option** *(dict)* –
  - **SessionStickinessPolicy** *(dict)* –
  - **Enabled** *(boolean)* –
  - **ExpirationPeriod** *(integer)* –
  - **SorryPage** *(dict)* –
  - **Enabled** *(boolean)* –
  - **StatusCode** *(integer)* –
- **PolicyType** *(string)* –

hatoba / Client / get_node_pool

get_node_pool

`hatoba.Client.`**`get_node_pool`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_node_pool(
    ClusterName='string',
    NodePoolName='string'
)
```

Parameters

- **ClusterName** (*string*) – **[REQUIRED]**
- **NodePoolName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NodePool': {
        'InitialNodeCount': 123,
        'InstanceType': 'string',
        'Name': 'string',
        'NodeCount': 123,
        'Nodes': [
            {
                'AvailabilityZone': 'string',
                'Name': 'string',
                'PrivateIpAddress': 'string',
                'PublicIpAddress': 'string',
                'Status': 'string'
            },
        ],
        'Nrn': 'string',
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **NodePool** *(dict)* –
    - **InitialNodeCount** *(integer)* –
    - **InstanceType** *(string)* –
    - **Name** *(string)* –
    - **NodeCount** *(integer)* –
    - **Nodes** *(list)* –
      - *(dict)* –
      - **AvailabilityZone** *(string)* –
      - **Name** *(string)* –
      - **PrivateIpAddress** *(string)* –
      - **PublicIpAddress** *(string)* –
      - **Status** *(string)* –
    - **Nrn** *(string)* –

* **Status** *(string)* –
* **Tags** *(list)* –
  - *(dict)* –
  - **Id** *(string)* –
  - **Key** *(string)* –
  - **Value** *(string)* –

hatoba / Client / get_paginator

get_paginator

`hatoba.Client.`**`get_paginator`**`(`*operation_name*`)`

Create a paginator for an operation.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Raises **OperationNotPageableError** – Raised if the operation is not pageable. You can use the `client.can_paginate` method to check if an operation is pageable.

Return type L{botocore.paginate.Paginator}

Returns A paginator object.

hatoba / Client / get_server_config

get_server_config

`hatoba.Client.`**`get_server_config`**`()`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_server_config()
```

Return type dict

Returns

Response Syntax

```
{
    'ServerConfig': {
        'DefaultKubernetesVersion': 'string',
        'ValidKubernetesVersions': [
            'string',
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **ServerConfig** *(dict)* –
    * **DefaultKubernetesVersion** *(string)* –
    * **ValidKubernetesVersions** *(list)* –
      - *(string)* –

hatoba / Client / get_snapshot

get_snapshot

`hatoba.Client.get_snapshot(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_snapshot(
    SnapshotName='string'
)
```

Parameters **SnapshotName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Snapshot': {
        'Cluster': {
            'KubernetesVersion': 'string',
            'Name': 'string',
            'NodePools': [
                {
                    'InstanceType': 'string',
                    'Name': 'string',
                    'NodeCount': 123
                },
            ]
        },
        'CreateTime': 'string',
        'Description': 'string',
        'ExpirationTime': 'string',
        'Name': 'string',
        'Nrn': 'string',
        'ResourceVersion': 'string',
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **Snapshot** *(dict)* –
    - **Cluster** *(dict)* –
      - **KubernetesVersion** *(string)* –
      - **Name** *(string)* –
      - **NodePools** *(list)* –
      - *(dict)* –
      - **InstanceType** *(string)* –
      - **Name** *(string)* –
      - **NodeCount** *(integer)* –

* **CreateTime** *(string)* –
* **Description** *(string)* –
* **ExpirationTime** *(string)* –
* **Name** *(string)* –
* **Nrn** *(string)* –
* **ResourceVersion** *(string)* –
* **Status** *(string)* –
* **Tags** *(list)* –
  - *(dict)* –
  - **Id** *(string)* –
  - **Key** *(string)* –
  - **Value** *(string)* –

hatoba / Client / get_waiter

get_waiter

`hatoba.Client.`**`get_waiter`**`(`*waiter_name*`)`

Returns an object that can wait for some condition.

Parameters **`waiter_name`** (*`str`*) – The name of the waiter to get. See the waiters section of the service docs for a list of available waiters.

Returns The specified waiter object.

Return type botocore.waiter.Waiter

hatoba / Client / list_clusters

list_clusters

`hatoba.Client.`**`list_clusters`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.list_clusters(
    Filters='string'
)
```

Parameters **`Filters`** (*`string`*) –

Return type dict

Returns

Response Syntax

```
{
    'Clusters': [
        {
            'AddonsConfig': {
                'HttpLoadBalancing': {
                    'Disabled': True|False
                }
            },
            'CreateTime': 'string',
            'Description': 'string',
            'FirewallGroup': 'string',
            'InitialKubernetesVersion': 'string',
```

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```
            'InitialNodeCount': 123,
            'KubernetesVersion': 'string',
            'Locations': [
                'string',
            ],
            'Name': 'string',
            'NetworkConfig': {
                'NetworkId': 'string'
            },
            'NodeCount': 123,
            'NodePools': [
                {
                    'InitialNodeCount': 123,
                    'InstanceType': 'string',
                    'Name': 'string',
                    'NodeCount': 123,
                    'Nodes': [
                        {
                            'AvailabilityZone': 'string',
                            'Name': 'string',
                            'PrivateIpAddress': 'string',
                            'PublicIpAddress': 'string',
                            'Status': 'string'
                        },
                    ],
                    'Nrn': 'string',
                    'Status': 'string',
                    'Tags': [
                        {
                            'Id': 'string',
                            'Key': 'string',
                            'Value': 'string'
                        },
                    ]
                },
            ],
            'Nrn': 'string',
            'Status': 'string',
            'Tags': [
                {
                    'Id': 'string',
                    'Key': 'string',
                    'Value': 'string'
                },
            ]
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **Clusters** *(list)* –
    - *(dict)* –
      - **AddonsConfig** *(dict)* –
      - **HttpLoadBalancing** *(dict)* –
      - **Disabled** *(boolean)* –
      - **CreateTime** *(string)* –

- **Description** *(string)* –
- **FirewallGroup** *(string)* –
- **InitialKubernetesVersion** *(string)* –
- **InitialNodeCount** *(integer)* –
- **KubernetesVersion** *(string)* –
- **Locations** *(list)* –
- *(string)* –
- **Name** *(string)* –
- **NetworkConfig** *(dict)* –
- **NetworkId** *(string)* –
- **NodeCount** *(integer)* –
- **NodePools** *(list)* –
- *(dict)* –
- **InitialNodeCount** *(integer)* –
- **InstanceType** *(string)* –
- **Name** *(string)* –
- **NodeCount** *(integer)* –
- **Nodes** *(list)* –
- *(dict)* –
- **AvailabilityZone** *(string)* –
- **Name** *(string)* –
- **PrivateIpAddress** *(string)* –
- **PublicIpAddress** *(string)* –
- **Status** *(string)* –
- **Nrn** *(string)* –
- **Status** *(string)* –
- **Tags** *(list)* –
- *(dict)* –
- **Id** *(string)* –
- **Key** *(string)* –
- **Value** *(string)* –
- **Nrn** *(string)* –
- **Status** *(string)* –
- **Tags** *(list)* –
- *(dict)* –
- **Id** *(string)* –
- **Key** *(string)* –
- **Value** *(string)* –

hatoba / Client / list_disks

list_disks

`hatoba.Client.`**`list_disks`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.list_disks(
    Filters='string'
)
```

Parameters **`Filters`** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'Disks': [
        {
            'Attachments': [
                {
                    'AttachTime': 'string',
                    'DevicePath': 'string',
                    'NodeName': 'string',
                    'Status': 'string'
                },
            ],
            'AvailabilityZone': 'string',
            'Cluster': {
                'Name': 'string'
            },
            'CreateTime': 'string',
            'Description': 'string',
            'Name': 'string',
            'Nrn': 'string',
            'Size': 123,
            'Status': 'string',
            'Tags': [
                {
                    'Id': 'string',
                    'Key': 'string',
                    'Value': 'string'
                },
            ],
            'Type': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **Disks** *(list)* –
    - *(dict)* –
      - **Attachments** *(list)* –
      - *(dict)* –
      - **AttachTime** *(string)* –
      - **DevicePath** *(string)* –
      - **NodeName** *(string)* –
      - **Status** *(string)* –
      - **AvailabilityZone** *(string)* –
      - **Cluster** *(dict)* –
      - **Name** *(string)* –
      - **CreateTime** *(string)* –
      - **Description** *(string)* –
      - **Name** *(string)* –
      - **Nrn** *(string)* –
      - **Size** *(integer)* –
      - **Status** *(string)* –
      - **Tags** *(list)* –
      - *(dict)* –
      - **Id** *(string)* –

- **Key** *(string)* –
- **Value** *(string)* –
- **Type** *(string)* –

hatoba / Client / list_firewall_groups

list_firewall_groups

`hatoba.Client.`**`list_firewall_groups`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.list_firewall_groups(
    Filters='string'
)
```

Parameters **`Filters`** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'FirewallGroups': [
        {
            'Description': 'string',
            'Name': 'string',
            'Nrn': 'string',
            'Rules': [
                {
                    'CidrIp': 'string',
                    'Description': 'string',
                    'Direction': 'string',
                    'FromPort': 123,
                    'Id': 'string',
                    'Protocol': 'string',
                    'Status': 'string',
                    'ToPort': 123
                },
            ],
            'Tags': [
                {
                    'Id': 'string',
                    'Key': 'string',
                    'Value': 'string'
                },
            ]
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **FirewallGroups** *(list)* –
    - *(dict)* –
      - **Description** *(string)* –
      - **Name** *(string)* –

- **Nrn** *(string)* –
- **Rules** *(list)* –
- *(dict)* –
- **CidrIp** *(string)* –
- **Description** *(string)* –
- **Direction** *(string)* –
- **FromPort** *(integer)* –
- **Id** *(string)* –
- **Protocol** *(string)* –
- **Status** *(string)* –
- **ToPort** *(integer)* –
- **Tags** *(list)* –
- *(dict)* –
- **Id** *(string)* –
- **Key** *(string)* –
- **Value** *(string)* –

hatoba / Client / list_load_balancers

list_load_balancers

`hatoba.Client.list_load_balancers()`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.list_load_balancers()
```

Return type dict

Returns

Response Syntax

```
{
    'LoadBalancers': [
        {
            'AccountingType': 123,
            'AvailabilityZones': [
                'string',
            ],
            'Clusters': [
                {
                    'Name': 'string',
                    'NodePools': [
                        {
                            'Name': 'string',
                            'NodeCount': 123,
                            'Nodes': [
                                {
                                    'AvailabilityZone': 'string',
                                    'HealthCheckState': 'string',
                                    'Name': 'string',
                                    'PublicIpAddress': 'string'
                                },
                            ]
                        },
```

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```
                    ]
                },
            ],
            'CreatedTime': 'string',
            'Description': 'string',
            'DnsName': 'string',
            'Filter': {
                'FilterType': 'string',
                'IpAddresses': 'string'
            },
            'HealthCheck': {
                'HealthyThreshold': 123,
                'Interval': 123,
                'Target': 'string',
                'Timeout': 123,
                'UnhealthyThreshold': 123
            },
            'ListenerDescriptions': [
                {
                    'Listener': {
                        'BalancingType': 'string',
                        'InstancePort': 'string',
                        'LoadBalancerPort': 'string',
                        'Protocol': 'string',
                        'SslCertificateId': 'string'
                    }
                },
            ],
            'LoadBalancerName': 'string',
            'NetworkVolume': 'string',
            'NextMonthAccountingType': 123,
            'Option': {
                'SessionStickinessPolicy': {
                    'Enabled': True|False,
                    'ExpirationPeriod': 123
                },
                'SorryPage': {
                    'Enabled': True|False,
                    'StatusCode': 123
                }
            },
            'PolicyType': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **LoadBalancers** *(list)* –
    - *(dict)* –
      - **AccountingType** *(integer)* –
      - **AvailabilityZones** *(list)* –
      - *(string)* –
      - **Clusters** *(list)* –
      - *(dict)* –
      - **Name** *(string)* –

- **NodePools** *(list)* –
- *(dict)* –
- **Name** *(string)* –
- **NodeCount** *(integer)* –
- **Nodes** *(list)* –
- *(dict)* –
- **AvailabilityZone** *(string)* –
- **HealthCheckState** *(string)* –
- **Name** *(string)* –
- **PublicIpAddress** *(string)* –
- **CreatedTime** *(string)* –
- **Description** *(string)* –
- **DnsName** *(string)* –
- **Filter** *(dict)* –
- **FilterType** *(string)* –
- **IpAddresses** *(string)* –
- **HealthCheck** *(dict)* –
- **HealthyThreshold** *(integer)* –
- **Interval** *(integer)* –
- **Target** *(string)* –
- **Timeout** *(integer)* –
- **UnhealthyThreshold** *(integer)* –
- **ListenerDescriptions** *(list)* –
- *(dict)* –
- **Listener** *(dict)* –
- **BalancingType** *(string)* –
- **InstancePort** *(string)* –
- **LoadBalancerPort** *(string)* –
- **Protocol** *(string)* –
- **SslCertificateId** *(string)* –
- **LoadBalancerName** *(string)* –
- **NetworkVolume** *(string)* –
- **NextMonthAccountingType** *(integer)* –
- **Option** *(dict)* –
- **SessionStickinessPolicy** *(dict)* –
- **Enabled** *(boolean)* –
- **ExpirationPeriod** *(integer)* –
- **SorryPage** *(dict)* –
- **Enabled** *(boolean)* –
- **StatusCode** *(integer)* –
- **PolicyType** *(string)* –

hatoba / Client / list_node_pools

list_node_pools

`hatoba.Client.`**`list_node_pools`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.list_node_pools(
    ClusterName='string',
```

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```
    Filters='string'
)
```

Parameters

- **ClusterName** (*string*) – **[REQUIRED]**
- **Filters** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'NodePools': [
        {
            'InitialNodeCount': 123,
            'InstanceType': 'string',
            'Name': 'string',
            'NodeCount': 123,
            'Nodes': [
                {
                    'AvailabilityZone': 'string',
                    'Name': 'string',
                    'PrivateIpAddress': 'string',
                    'PublicIpAddress': 'string',
                    'Status': 'string'
                },
            ],
            'Nrn': 'string',
            'Status': 'string',
            'Tags': [
                {
                    'Id': 'string',
                    'Key': 'string',
                    'Value': 'string'
                },
            ]
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **NodePools** *(list)* –
    - *(dict)* –
      - **InitialNodeCount** *(integer)* –
      - **InstanceType** *(string)* –
      - **Name** *(string)* –
      - **NodeCount** *(integer)* –
      - **Nodes** *(list)* –
      - *(dict)* –
      - **AvailabilityZone** *(string)* –
      - **Name** *(string)* –
      - **PrivateIpAddress** *(string)* –
      - **PublicIpAddress** *(string)* –
      - **Status** *(string)* –
      - **Nrn** *(string)* –

- **Status** *(string)* –
- **Tags** *(list)* –
- *(dict)* –
- **Id** *(string)* –
- **Key** *(string)* –
- **Value** *(string)* –

hatoba / Client / list_snapshots

list_snapshots

`hatoba.Client.`**`list_snapshots`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.list_snapshots(
    Filters='string'
)
```

Parameters **`Filters`** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'Snapshots': [
        {
            'Cluster': {
                'KubernetesVersion': 'string',
                'Name': 'string',
                'NodePools': [
                    {
                        'InstanceType': 'string',
                        'Name': 'string',
                        'NodeCount': 123
                    },
                ]
            },
            'CreateTime': 'string',
            'Description': 'string',
            'ExpirationTime': 'string',
            'Name': 'string',
            'Nrn': 'string',
            'ResourceVersion': 'string',
            'Status': 'string',
            'Tags': [
                {
                    'Id': 'string',
                    'Key': 'string',
                    'Value': 'string'
                },
            ]
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **Snapshots** *(list)* –
    - *(dict)* –
      - **Cluster** *(dict)* –
      - **KubernetesVersion** *(string)* –
      - **Name** *(string)* –
      - **NodePools** *(list)* –
      - *(dict)* –
      - **InstanceType** *(string)* –
      - **Name** *(string)* –
      - **NodeCount** *(integer)* –
      - **CreateTime** *(string)* –
      - **Description** *(string)* –
      - **ExpirationTime** *(string)* –
      - **Name** *(string)* –
      - **Nrn** *(string)* –
      - **ResourceVersion** *(string)* –
      - **Status** *(string)* –
      - **Tags** *(list)* –
      - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Value** *(string)* –

hatoba / Client / list_tags

list_tags

`hatoba.Client.`**`list_tags`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.list_tags(
    Nrn='string'
)
```

Parameters **Nrn** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'Tags': [
        {
            'Id': 'string',
            'Key': 'string',
            'Nrn': 'string',
            'Value': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **Tags** *(list)* –
    - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Nrn** *(string)* –
      - **Value** *(string)* –

hatoba / Client / reboot_node

reboot_node

`hatoba.Client.reboot_node(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.reboot_node(
    ClusterName='string',
    Force=True|False,
    NodeName='string',
    NodePoolName='string'
)
```

Parameters

- **ClusterName** (*string*) – **[REQUIRED]**
- **Force** (*boolean*) –
- **NodeName** (*string*) – **[REQUIRED]**
- **NodePoolName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Node': {
        'AvailabilityZone': 'string',
        'Name': 'string',
        'PrivateIpAddress': 'string',
        'PublicIpAddress': 'string',
        'Status': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **Node** *(dict)* –
    - **AvailabilityZone** *(string)* –
    - **Name** *(string)* –
    - **PrivateIpAddress** *(string)* –
    - **PublicIpAddress** *(string)* –
    - **Status** *(string)* –

hatoba / Client / restore_cluster_from_snapshot

restore_cluster_from_snapshot

`hatoba.Client.restore_cluster_from_snapshot(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.restore_cluster_from_snapshot(
    Cluster={
        'Description': 'string',
        'FirewallGroup': 'string',
        'ListOfRequestLocations': [
            'string',
        ],
        'ListOfRequestTags': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Name': 'string',
        'RequestAddonsConfig': {
            'RequestHttpLoadBalancing': {
                'Disabled': True|False
            }
        },
        'RequestNetworkConfig': {
            'NetworkId': 'string'
        }
    },
    SnapshotName='string'
)
```

Parameters

- **Cluster** (*dict*) – **[REQUIRED]**
  - **Description** *(string)* –
  - **FirewallGroup** *(string)* – **[REQUIRED]**
  - **ListOfRequestLocations** *(list)* – **[REQUIRED]**
    - *(string)* –
  - **ListOfRequestTags** *(list)* –
    - *(dict)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
  - **Name** *(string)* – **[REQUIRED]**
  - **RequestAddonsConfig** *(dict)* –
    - **RequestHttpLoadBalancing** *(dict)* –
      - **Disabled** *(boolean)* –
  - **RequestNetworkConfig** *(dict)* –
    - **NetworkId** *(string)* –
- **SnapshotName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Cluster': {
```

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```
        'AddonsConfig': {
            'HttpLoadBalancing': {
                'Disabled': True|False
            }
        },
        'CreateTime': 'string',
        'Description': 'string',
        'FirewallGroup': 'string',
        'InitialKubernetesVersion': 'string',
        'InitialNodeCount': 123,
        'KubernetesVersion': 'string',
        'Locations': [
            'string',
        ],
        'Name': 'string',
        'NetworkConfig': {
            'NetworkId': 'string'
        },
        'NodeCount': 123,
        'NodePools': [
            {
                'InitialNodeCount': 123,
                'InstanceType': 'string',
                'Name': 'string',
                'NodeCount': 123,
                'Nodes': [
                    {
                        'AvailabilityZone': 'string',
                        'Name': 'string',
                        'PrivateIpAddress': 'string',
                        'PublicIpAddress': 'string',
                        'Status': 'string'
                    },
                ],
                'Nrn': 'string',
                'Status': 'string',
                'Tags': [
                    {
                        'Id': 'string',
                        'Key': 'string',
                        'Value': 'string'
                    },
                ]
            },
        ],
        'Nrn': 'string',
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **Cluster** *(dict)* –
    - **AddonsConfig** *(dict)* –
      - **HttpLoadBalancing** *(dict)* –
      - **Disabled** *(boolean)* –
    - **CreateTime** *(string)* –
    - **Description** *(string)* –
    - **FirewallGroup** *(string)* –
    - **InitialKubernetesVersion** *(string)* –
    - **InitialNodeCount** *(integer)* –
    - **KubernetesVersion** *(string)* –
    - **Locations** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
    - **NetworkConfig** *(dict)* –
      - **NetworkId** *(string)* –
    - **NodeCount** *(integer)* –
    - **NodePools** *(list)* –
      - *(dict)* –
      - **InitialNodeCount** *(integer)* –
      - **InstanceType** *(string)* –
      - **Name** *(string)* –
      - **NodeCount** *(integer)* –
      - **Nodes** *(list)* –
      - *(dict)* –
      - **AvailabilityZone** *(string)* –
      - **Name** *(string)* –
      - **PrivateIpAddress** *(string)* –
      - **PublicIpAddress** *(string)* –
      - **Status** *(string)* –
      - **Nrn** *(string)* –
      - **Status** *(string)* –
      - **Tags** *(list)* –
      - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
    - **Nrn** *(string)* –
    - **Status** *(string)* –
    - **Tags** *(list)* –
      - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Value** *(string)* –

hatoba / Client / revoke_firewall_group

revoke_firewall_group

`hatoba.Client.`**`revoke_firewall_group`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.revoke_firewall_group(
    FirewallGroupName='string',
    Ids='string'
)
```

Parameters

- **FirewallGroupName** (*string*) – **[REQUIRED]**
- **Ids** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'FirewallGroup': {
        'Description': 'string',
        'Name': 'string',
        'Nrn': 'string',
        'Rules': [
            {
                'CidrIp': 'string',
                'Description': 'string',
                'Direction': 'string',
                'FromPort': 123,
                'Id': 'string',
                'Protocol': 'string',
                'Status': 'string',
                'ToPort': 123
            },
        ],
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **FirewallGroup** *(dict)* –
    - **Description** *(string)* –
    - **Name** *(string)* –
    - **Nrn** *(string)* –
    - **Rules** *(list)* –
      - *(dict)* –
      - **CidrIp** *(string)* –
      - **Description** *(string)* –
      - **Direction** *(string)* –
      - **FromPort** *(integer)* –
      - **Id** *(string)* –
      - **Protocol** *(string)* –
      - **Status** *(string)* –
      - **ToPort** *(integer)* –
    - **Tags** *(list)* –

- *(dict)* –
- **Id** *(string)* –
- **Key** *(string)* –
- **Value** *(string)* –

hatoba / Client / set_node_pool_size

set_node_pool_size

`hatoba.Client.set_node_pool_size(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.set_node_pool_size(
    ClusterName='string',
    NodeCount=123,
    NodePoolName='string'
)
```

Parameters

- **ClusterName** (*string*) – **[REQUIRED]**
- **NodeCount** (*integer*) – **[REQUIRED]**
- **NodePoolName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NodePool': {
        'InitialNodeCount': 123,
        'InstanceType': 'string',
        'Name': 'string',
        'NodeCount': 123,
        'Nodes': [
            {
                'AvailabilityZone': 'string',
                'Name': 'string',
                'PrivateIpAddress': 'string',
                'PublicIpAddress': 'string',
                'Status': 'string'
            },
        ],
        'Nrn': 'string',
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –

- **NodePool** *(dict)* –
  - **InitialNodeCount** *(integer)* –
  - **InstanceType** *(string)* –
  - **Name** *(string)* –
  - **NodeCount** *(integer)* –
  - **Nodes** *(list)* –
    - *(dict)* –
    - **AvailabilityZone** *(string)* –
    - **Name** *(string)* –
    - **PrivateIpAddress** *(string)* –
    - **PublicIpAddress** *(string)* –
    - **Status** *(string)* –
  - **Nrn** *(string)* –
  - **Status** *(string)* –
  - **Tags** *(list)* –
    - *(dict)* –
    - **Id** *(string)* –
    - **Key** *(string)* –
    - **Value** *(string)* –

hatoba / Client / update_cluster

update_cluster

`hatoba.Client.`**`update_cluster`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.update_cluster(
    Cluster={
        'Description': 'string',
        'KubernetesVersion': 'v1.23.3'|'v1.23.9'|'v1.24.3',
        'ListOfRequestTags': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Name': 'string',
        'RequestAddonsConfig': {
            'RequestHttpLoadBalancing': {
                'Disabled': True|False
            }
        }
    },
    ClusterName='string'
)
```

Parameters

- **`Cluster`** *(dict)* –
  - **Description** *(string)* –
  - **KubernetesVersion** *(string)* –
  - **ListOfRequestTags** *(list)* –
    - *(dict)* –
    - **Key** *(string)* –

· **Value** *(string)* –
– **Name** *(string)* –
– **RequestAddonsConfig** *(dict)* –
∗ **RequestHttpLoadBalancing** *(dict)* –
· **Disabled** *(boolean)* –
• **ClusterName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Cluster': {
        'AddonsConfig': {
            'HttpLoadBalancing': {
                'Disabled': True|False
            }
        },
        'CreateTime': 'string',
        'Description': 'string',
        'FirewallGroup': 'string',
        'InitialKubernetesVersion': 'string',
        'InitialNodeCount': 123,
        'KubernetesVersion': 'string',
        'Locations': [
            'string',
        ],
        'Name': 'string',
        'NetworkConfig': {
            'NetworkId': 'string'
        },
        'NodeCount': 123,
        'NodePools': [
            {
                'InitialNodeCount': 123,
                'InstanceType': 'string',
                'Name': 'string',
                'NodeCount': 123,
                'Nodes': [
                    {
                        'AvailabilityZone': 'string',
                        'Name': 'string',
                        'PrivateIpAddress': 'string',
                        'PublicIpAddress': 'string',
                        'Status': 'string'
                    },
                ],
                'Nrn': 'string',
                'Status': 'string',
                'Tags': [
                    {
                        'Id': 'string',
                        'Key': 'string',
                        'Value': 'string'
                    },
                ]
            },
        ],
```

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```
        'Nrn': 'string',
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **Cluster** *(dict)* –
    - **AddonsConfig** *(dict)* –
      - **HttpLoadBalancing** *(dict)* –
      - **Disabled** *(boolean)* –
    - **CreateTime** *(string)* –
    - **Description** *(string)* –
    - **FirewallGroup** *(string)* –
    - **InitialKubernetesVersion** *(string)* –
    - **InitialNodeCount** *(integer)* –
    - **KubernetesVersion** *(string)* –
    - **Locations** *(list)* –
      - *(string)* –
    - **Name** *(string)* –
    - **NetworkConfig** *(dict)* –
      - **NetworkId** *(string)* –
    - **NodeCount** *(integer)* –
    - **NodePools** *(list)* –
      - *(dict)* –
      - **InitialNodeCount** *(integer)* –
      - **InstanceType** *(string)* –
      - **Name** *(string)* –
      - **NodeCount** *(integer)* –
      - **Nodes** *(list)* –
      - *(dict)* –
      - **AvailabilityZone** *(string)* –
      - **Name** *(string)* –
      - **PrivateIpAddress** *(string)* –
      - **PublicIpAddress** *(string)* –
      - **Status** *(string)* –
      - **Nrn** *(string)* –
      - **Status** *(string)* –
      - **Tags** *(list)* –
      - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
    - **Nrn** *(string)* –
    - **Status** *(string)* –
    - **Tags** *(list)* –
      - *(dict)* –

- **Id** *(string)* –
- **Key** *(string)* –
- **Value** *(string)* –

hatoba / Client / update_disk

update_disk

`hatoba.Client.update_disk(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.update_disk(
    Disk={
        'Description': 'string',
        'ListOfRequestTags': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Name': 'string',
        'Size': 123
    },
    DiskName='string'
)
```

Parameters

- **Disk** *(dict)* –
  - **Description** *(string)* –
  - **ListOfRequestTags** *(list)* –
    - *(dict)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
  - **Name** *(string)* –
  - **Size** *(integer)* –
- **DiskName** *(string)* – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Disk': {
        'Attachments': [
            {
                'AttachTime': 'string',
                'DevicePath': 'string',
                'NodeName': 'string',
                'Status': 'string'
            },
        ],
        'AvailabilityZone': 'string',
        'Cluster': {
            'Name': 'string'
        },
```

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```
        'CreateTime': 'string',
        'Description': 'string',
        'Name': 'string',
        'Nrn': 'string',
        'Size': 123,
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Type': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **Disk** *(dict)* –
    - **Attachments** *(list)* –
      - *(dict)* –
      - **AttachTime** *(string)* –
      - **DevicePath** *(string)* –
      - **NodeName** *(string)* –
      - **Status** *(string)* –
    - **AvailabilityZone** *(string)* –
    - **Cluster** *(dict)* –
      - **Name** *(string)* –
    - **CreateTime** *(string)* –
    - **Description** *(string)* –
    - **Name** *(string)* –
    - **Nrn** *(string)* –
    - **Size** *(integer)* –
    - **Status** *(string)* –
    - **Tags** *(list)* –
      - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
    - **Type** *(string)* –

hatoba / Client / update_firewall_group

update_firewall_group

`hatoba.Client.`**`update_firewall_group`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.update_firewall_group(
    FirewallGroup={
        'Description': 'string',
```

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```
        'ListOfRequestTags': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Name': 'string'
    },
    FirewallGroupName='string'
)
```

Parameters

- **FirewallGroup** (*dict*) –
  - **Description** *(string)* –
  - **ListOfRequestTags** *(list)* –
    - *(dict)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
  - **Name** *(string)* –
- **FirewallGroupName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'FirewallGroup': {
        'Description': 'string',
        'Name': 'string',
        'Nrn': 'string',
        'Rules': [
            {
                'CidrIp': 'string',
                'Description': 'string',
                'Direction': 'string',
                'FromPort': 123,
                'Id': 'string',
                'Protocol': 'string',
                'Status': 'string',
                'ToPort': 123
            },
        ],
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **FirewallGroup** *(dict)* –
    - **Description** *(string)* –

- **Name** *(string)* –
- **Nrn** *(string)* –
- **Rules** *(list)* –
  - *(dict)* –
  - **CidrIp** *(string)* –
  - **Description** *(string)* –
  - **Direction** *(string)* –
  - **FromPort** *(integer)* –
  - **Id** *(string)* –
  - **Protocol** *(string)* –
  - **Status** *(string)* –
  - **ToPort** *(integer)* –
- **Tags** *(list)* –
  - *(dict)* –
  - **Id** *(string)* –
  - **Key** *(string)* –
  - **Value** *(string)* –

hatoba / Client / update_node_pool

update_node_pool

`hatoba.Client.`**`update_node_pool`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.update_node_pool(
    ClusterName='string',
    NodePool={
        'ListOfRequestTags': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ]
    },
    NodePoolName='string'
)
```

Parameters

- **`ClusterName`** (*`string`*) – **[REQUIRED]**
- **`NodePool`** (*`dict`*) –
  - **ListOfRequestTags** *(list)* –
    - *(dict)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
- **`NodePoolName`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NodePool': {
        'InitialNodeCount': 123,
```

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```
        'InstanceType': 'string',
        'Name': 'string',
        'NodeCount': 123,
        'Nodes': [
            {
                'AvailabilityZone': 'string',
                'Name': 'string',
                'PrivateIpAddress': 'string',
                'PublicIpAddress': 'string',
                'Status': 'string'
            },
        ],
        'Nrn': 'string',
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
    }
}
```

Response Structure

- *(dict)* –
  - **NodePool** *(dict)* –
    - **InitialNodeCount** *(integer)* –
    - **InstanceType** *(string)* –
    - **Name** *(string)* –
    - **NodeCount** *(integer)* –
    - **Nodes** *(list)* –
      - *(dict)* –
      - **AvailabilityZone** *(string)* –
      - **Name** *(string)* –
      - **PrivateIpAddress** *(string)* –
      - **PublicIpAddress** *(string)* –
      - **Status** *(string)* –
    - **Nrn** *(string)* –
    - **Status** *(string)* –
    - **Tags** *(list)* –
      - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Value** *(string)* –

hatoba / Client / update_snapshot

update_snapshot

`hatoba.Client.`**`update_snapshot`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.update_snapshot(
    Snapshot={
        'Description': 'string',
        'ExpirationTime': 'string',
        'ListOfRequestTags': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Name': 'string'
    },
    SnapshotName='string'
)
```

Parameters

- **Snapshot** (*dict*) –
  - **Description** *(string)* –
  - **ExpirationTime** *(string)* –
  - **ListOfRequestTags** *(list)* –
    - *(dict)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
  - **Name** *(string)* –
- **SnapshotName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Snapshot': {
        'Cluster': {
            'KubernetesVersion': 'string',
            'Name': 'string',
            'NodePools': [
                {
                    'InstanceType': 'string',
                    'Name': 'string',
                    'NodeCount': 123
                },
            ]
        },
        'CreateTime': 'string',
        'Description': 'string',
        'ExpirationTime': 'string',
        'Name': 'string',
        'Nrn': 'string',
        'ResourceVersion': 'string',
        'Status': 'string',
        'Tags': [
            {
                'Id': 'string',
                'Key': 'string',
                'Value': 'string'
            },
        ]
```

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```
    }
}
```

Response Structure

- *(dict)* –
  - **Snapshot** *(dict)* –
    - **Cluster** *(dict)* –
      - **KubernetesVersion** *(string)* –
      - **Name** *(string)* –
      - **NodePools** *(list)* –
      - *(dict)* –
      - **InstanceType** *(string)* –
      - **Name** *(string)* –
      - **NodeCount** *(integer)* –
    - **CreateTime** *(string)* –
    - **Description** *(string)* –
    - **ExpirationTime** *(string)* –
    - **Name** *(string)* –
    - **Nrn** *(string)* –
    - **ResourceVersion** *(string)* –
    - **Status** *(string)* –
    - **Tags** *(list)* –
      - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Value** *(string)* –

hatoba / Client / update_tags

update_tags

`hatoba.Client.`**`update_tags`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.update_tags(
    Tags=[
        {
            'Key': 'string',
            'Nrn': 'string',
            'Value': 'string'
        },
    ]
)
```

Parameters **`Tags`** (*`list`*) – **[REQUIRED]**

- *(dict)* –
  - **Key** *(string)* – **[REQUIRED]**
  - **Nrn** *(string)* – **[REQUIRED]**
  - **Value** *(string)* – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Tags': [
        {
            'Id': 'string',
            'Key': 'string',
            'Nrn': 'string',
            'Value': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **Tags** *(list)* –
    - *(dict)* –
      - **Id** *(string)* –
      - **Key** *(string)* –
      - **Nrn** *(string)* –
      - **Value** *(string)* –

1.4.2 Client Exceptions

Client exceptions are available on a client instance via the `exceptions` property. For more detailed instructions and examples on the exact usage of client exceptions, see the error handling user guide.

This client has no modeled exception classes.

1.4.3 Waiters

Waiters are available on a client instance via the `get_waiter` method. For more detailed instructions and examples on the usage or waiters, see the waiters user guide.

The available waiters are:

hatoba / Waiter / ClusterDeleted

ClusterDeleted

class hatoba.Waiter.**ClusterDeleted**

```
waiter = client.get_waiter('cluster_deleted')
```

wait(***kwargs*)

Polls `hatoba.Client.get_cluster()` every 30 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    ClusterName='string',
    WaiterConfig={
```

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```
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **ClusterName** (*string*) – **[REQUIRED]**
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 30
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

hatoba / Waiter / ClusterRunning

ClusterRunning

class hatoba.Waiter.**ClusterRunning**

```
waiter = client.get_waiter('cluster_running')
```

wait (***kwargs*)

Polls *hatoba.Client.get_cluster()* every 60 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    ClusterName='string',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **ClusterName** (*string*) – **[REQUIRED]**
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 60
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

hatoba / Waiter / FirewallRuleAuthorized

FirewallRuleAuthorized

class hatoba.Waiter.**FirewallRuleAuthorized**

```
waiter = client.get_waiter('firewall_rule_authorized')
```

wait (***kwargs*)

Polls *hatoba.Client.get_firewall_group()* every 20 seconds until a successful state is reached. An error is returned after 20 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    FirewallGroupName='string',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **FirewallGroupName** (*string*) – **[REQUIRED]**
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 20

Returns None

hatoba / Waiter / SnapshotAvailable

SnapshotAvailable

class hatoba.Waiter.**SnapshotAvailable**

```
waiter = client.get_waiter('snapshot_available')
```

wait (***kwargs*)

Polls *hatoba.Client.get_snapshot()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    SnapshotName='string',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **SnapshotName** (*string*) – **[REQUIRED]**
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

1.5 nas

1.5.1 Client

class nas.**Client**

A low-level client representing NIFCLOUD NAS

```
client = session.create_client('nas')
```

These are the available methods:

nas / Client / authorize_nas_security_group_ingress

authorize_nas_security_group_ingress

nas.Client.**authorize_nas_security_group_ingress**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.authorize_nas_security_group_ingress(
    CIDRIP='string',
    NASSecurityGroupName='string',
    SecurityGroupName='string'
)
```

Parameters

- **CIDRIP** (*string*) –
- **NASSecurityGroupName** (*string*) – **[REQUIRED]**
- **SecurityGroupName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'NASSecurityGroup': {
        'AvailabilityZone': 'string',
        'IPRanges': [
            {
                'CIDRIP': 'string',
                'Status': 'string'
            },
```

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```
        ],
        'NASSecurityGroupDescription': 'string',
        'NASSecurityGroupName': 'string',
        'OwnerId': 'string',
        'SecurityGroups': [
            {
                'SecurityGroupName': 'string',
                'SecurityGroupOwnerId': 'string',
                'Status': 'string'
            },
        ]
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NASSecurityGroup** *(dict)* –
    - **AvailabilityZone** *(string)* –
    - **IPRanges** *(list)* –
      - *(dict)* –
      - **CIDRIP** *(string)* –
      - **Status** *(string)* –
    - **NASSecurityGroupDescription** *(string)* –
    - **NASSecurityGroupName** *(string)* –
    - **OwnerId** *(string)* –
    - **SecurityGroups** *(list)* –
      - *(dict)* –
      - **SecurityGroupName** *(string)* –
      - **SecurityGroupOwnerId** *(string)* –
      - **Status** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

nas / Client / can_paginate

can_paginate

`nas.Client.`**`can_paginate`**`(`*operation_name*`)`

Check if an operation can be paginated.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Returns `True` if the operation can be paginated, `False` otherwise.

nas / Client / clear_nas_session

clear_nas_session

`nas.Client.clear_nas_session(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.clear_nas_session(
    NASInstanceIdentifier='string',
    SessionClearType='0'|'1'
)
```

Parameters

- **NASInstanceIdentifier** (*string*) – **[REQUIRED]**
- **SessionClearType** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'NASInstance': {
        'AllocatedStorage': 123,
        'AuthenticationType': 123,
        'AvailabilityZone': 'string',
        'DirectoryServiceDomainName': 'string',
        'DomainControllers': [
            {
                'Hostname': 'string',
                'IPAddress': 'string'
            },
        ],
        'Endpoint': {
            'Address': 'string',
            'PrivateAddress': 'string'
        },
        'MasterUsername': 'string',
        'NASInstanceClass': 'string',
        'NASInstanceDescription': 'string',
        'NASInstanceErrorInfo': {
            'NASInstanceErrorCode': 'string',
            'NASInstanceErrorMessage': 'string'
        },
        'NASInstanceIdentifier': 'string',
        'NASInstanceStatus': 'string',
        'NASInstanceType': 123,
        'NASSecurityGroups': [
            {
                'NASSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'NetworkId': 'string',
        'NoRootSquash': True|False,
        'Protocol': 'string',
        'StorageType': 123,
        'UpgradeRequired': True|False
    },
```

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```
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NASInstance** *(dict)* –
    - **AllocatedStorage** *(integer)* –
    - **AuthenticationType** *(integer)* –
    - **AvailabilityZone** *(string)* –
    - **DirectoryServiceDomainName** *(string)* –
    - **DomainControllers** *(list)* –
      - *(dict)* –
      - **Hostname** *(string)* –
      - **IPAddress** *(string)* –
    - **Endpoint** *(dict)* –
      - **Address** *(string)* –
      - **PrivateAddress** *(string)* –
    - **MasterUsername** *(string)* –
    - **NASInstanceClass** *(string)* –
    - **NASInstanceDescription** *(string)* –
    - **NASInstanceErrorInfo** *(dict)* –
      - **NASInstanceErrorCode** *(string)* –
      - **NASInstanceErrorMessage** *(string)* –
    - **NASInstanceIdentifier** *(string)* –
    - **NASInstanceStatus** *(string)* –
    - **NASInstanceType** *(integer)* –
    - **NASSecurityGroups** *(list)* –
      - *(dict)* –
      - **NASSecurityGroupName** *(string)* –
      - **Status** *(string)* –
    - **NetworkId** *(string)* –
    - **NoRootSquash** *(boolean)* –
    - **Protocol** *(string)* –
    - **StorageType** *(integer)* –
    - **UpgradeRequired** *(boolean)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

nas / Client / close

close

`nas.Client.`**`close`**`()`

Closes underlying endpoint connections.

nas / Client / create_nas_instance

create_nas_instance

`nas.Client.`**`create_nas_instance`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_nas_instance(
    AllocatedStorage=123,
    AvailabilityZone='string',
    MasterPrivateAddress='string',
    MasterUserPassword='string',
    MasterUsername='string',
    NASInstanceDescription='string',
    NASInstanceIdentifier='string',
    NASInstanceType=123,
    NASSecurityGroups=[
        'string',
    ],
    NetworkId='string',
    Protocol='nfs'|'cifs'
)
```

Parameters

- **AllocatedStorage** (*integer*) – **[REQUIRED]**
- **AvailabilityZone** (*string*) –
- **MasterPrivateAddress** (*string*) –
- **MasterUserPassword** (*string*) –
- **MasterUsername** (*string*) –
- **NASInstanceDescription** (*string*) –
- **NASInstanceIdentifier** (*string*) – **[REQUIRED]**
- **NASInstanceType** (*integer*) –
- **NASSecurityGroups** (*list*) –
  - *(string)* –
- **NetworkId** (*string*) –
- **Protocol** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NASInstance': {
        'AllocatedStorage': 123,
        'AuthenticationType': 123,
        'AvailabilityZone': 'string',
        'DirectoryServiceDomainName': 'string',
        'DomainControllers': [
            {
                'Hostname': 'string',
                'IPAddress': 'string'
            },
        ],
        'Endpoint': {
            'Address': 'string',
            'PrivateAddress': 'string'
        },
        'MasterUsername': 'string',
        'NASInstanceClass': 'string',
        'NASInstanceDescription': 'string',
        'NASInstanceErrorInfo': {
            'NASInstanceErrorCode': 'string',
```

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```
            'NASInstanceErrorMessage': 'string'
        },
        'NASInstanceIdentifier': 'string',
        'NASInstanceStatus': 'string',
        'NASInstanceType': 123,
        'NASSecurityGroups': [
            {
                'NASSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'NetworkId': 'string',
        'NoRootSquash': True|False,
        'Protocol': 'string',
        'StorageType': 123,
        'UpgradeRequired': True|False
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NASInstance** *(dict)* –
    - **AllocatedStorage** *(integer)* –
    - **AuthenticationType** *(integer)* –
    - **AvailabilityZone** *(string)* –
    - **DirectoryServiceDomainName** *(string)* –
    - **DomainControllers** *(list)* –
      - *(dict)* –
      - **Hostname** *(string)* –
      - **IPAddress** *(string)* –
    - **Endpoint** *(dict)* –
      - **Address** *(string)* –
      - **PrivateAddress** *(string)* –
    - **MasterUsername** *(string)* –
    - **NASInstanceClass** *(string)* –
    - **NASInstanceDescription** *(string)* –
    - **NASInstanceErrorInfo** *(dict)* –
      - **NASInstanceErrorCode** *(string)* –
      - **NASInstanceErrorMessage** *(string)* –
    - **NASInstanceIdentifier** *(string)* –
    - **NASInstanceStatus** *(string)* –
    - **NASInstanceType** *(integer)* –
    - **NASSecurityGroups** *(list)* –
      - *(dict)* –
      - **NASSecurityGroupName** *(string)* –
      - **Status** *(string)* –
    - **NetworkId** *(string)* –
    - **NoRootSquash** *(boolean)* –
    - **Protocol** *(string)* –
    - **StorageType** *(integer)* –
    - **UpgradeRequired** *(boolean)* –

- **ResponseMetadata** *(dict)* –
  - **RequestId** *(string)* –

nas / Client / create_nas_security_group

create_nas_security_group

`nas.Client.create_nas_security_group(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_nas_security_group(
    AvailabilityZone='string',
    NASSecurityGroupDescription='string',
    NASSecurityGroupName='string'
)
```

Parameters

- **AvailabilityZone** (*string*) – **[REQUIRED]**
- **NASSecurityGroupDescription** (*string*) –
- **NASSecurityGroupName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NASSecurityGroup': {
        'AvailabilityZone': 'string',
        'IPRanges': [
            {
                'CIDRIP': 'string',
                'Status': 'string'
            },
        ],
        'NASSecurityGroupDescription': 'string',
        'NASSecurityGroupName': 'string',
        'OwnerId': 'string',
        'SecurityGroups': [
            {
                'SecurityGroupName': 'string',
                'SecurityGroupOwnerId': 'string',
                'Status': 'string'
            },
        ]
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NASSecurityGroup** *(dict)* –
    - **AvailabilityZone** *(string)* –
    - **IPRanges** *(list)* –
      - *(dict)* –

- · **CIDRIP** *(string)* –
- · **Status** *(string)* –
- ∗ **NASSecurityGroupDescription** *(string)* –
- ∗ **NASSecurityGroupName** *(string)* –
- ∗ **OwnerId** *(string)* –
- ∗ **SecurityGroups** *(list)* –
  - · *(dict)* –
  - · **SecurityGroupName** *(string)* –
  - · **SecurityGroupOwnerId** *(string)* –
  - · **Status** *(string)* –
- – **ResponseMetadata** *(dict)* –
  - ∗ **RequestId** *(string)* –

nas / Client / delete_nas_instance

delete_nas_instance

`nas.Client.`**`delete_nas_instance`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_nas_instance(
    DirectoryServiceAdministratorName='string',
    DirectoryServiceAdministratorPassword='string',
    NASInstanceIdentifier='string'
)
```

Parameters

- **DirectoryServiceAdministratorName** (*string*) –
- **DirectoryServiceAdministratorPassword** (*string*) –
- **NASInstanceIdentifier** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NASInstance': {
        'AllocatedStorage': 123,
        'AuthenticationType': 123,
        'AvailabilityZone': 'string',
        'DirectoryServiceDomainName': 'string',
        'DomainControllers': [
            {
                'Hostname': 'string',
                'IPAddress': 'string'
            },
        ],
        'Endpoint': {
            'Address': 'string',
            'PrivateAddress': 'string'
        },
        'MasterUsername': 'string',
        'NASInstanceClass': 'string',
        'NASInstanceDescription': 'string',
```

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```
        'NASInstanceErrorInfo': {
            'NASInstanceErrorCode': 'string',
            'NASInstanceErrorMessage': 'string'
        },
        'NASInstanceIdentifier': 'string',
        'NASInstanceStatus': 'string',
        'NASInstanceType': 123,
        'NASSecurityGroups': [
            {
                'NASSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'NetworkId': 'string',
        'NoRootSquash': True|False,
        'Protocol': 'string',
        'StorageType': 123,
        'UpgradeRequired': True|False
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NASInstance** *(dict)* –
    - **AllocatedStorage** *(integer)* –
    - **AuthenticationType** *(integer)* –
    - **AvailabilityZone** *(string)* –
    - **DirectoryServiceDomainName** *(string)* –
    - **DomainControllers** *(list)* –
      - *(dict)* –
      - **Hostname** *(string)* –
      - **IPAddress** *(string)* –
    - **Endpoint** *(dict)* –
      - **Address** *(string)* –
      - **PrivateAddress** *(string)* –
    - **MasterUsername** *(string)* –
    - **NASInstanceClass** *(string)* –
    - **NASInstanceDescription** *(string)* –
    - **NASInstanceErrorInfo** *(dict)* –
      - **NASInstanceErrorCode** *(string)* –
      - **NASInstanceErrorMessage** *(string)* –
    - **NASInstanceIdentifier** *(string)* –
    - **NASInstanceStatus** *(string)* –
    - **NASInstanceType** *(integer)* –
    - **NASSecurityGroups** *(list)* –
      - *(dict)* –
      - **NASSecurityGroupName** *(string)* –
      - **Status** *(string)* –
    - **NetworkId** *(string)* –
    - **NoRootSquash** *(boolean)* –
    - **Protocol** *(string)* –
    - **StorageType** *(integer)* –

* **UpgradeRequired** *(boolean)* –
- **ResponseMetadata** *(dict)* –
  * **RequestId** *(string)* –

nas / Client / delete_nas_security_group

delete_nas_security_group

`nas.Client.`**`delete_nas_security_group`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_nas_security_group(
    NASSecurityGroupName='string'
)
```

Parameters **`NASSecurityGroupName`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **ResponseMetadata** *(dict)* –
    * **RequestId** *(string)* –

nas / Client / describe_nas_instances

describe_nas_instances

`nas.Client.`**`describe_nas_instances`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_nas_instances(
    NASInstanceIdentifier='string'
)
```

Parameters **`NASInstanceIdentifier`** (*`string`*) –

Return type dict

Returns

Response Syntax

```
{
    'NASInstances': [
        {
            'AllocatedStorage': 123,
```

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```
            'AuthenticationType': 123,
            'AvailabilityZone': 'string',
            'DirectoryServiceDomainName': 'string',
            'DomainControllers': [
                {
                    'Hostname': 'string',
                    'IPAddress': 'string'
                },
            ],
            'Endpoint': {
                'Address': 'string',
                'PrivateAddress': 'string'
            },
            'MasterUsername': 'string',
            'NASInstanceClass': 'string',
            'NASInstanceDescription': 'string',
            'NASInstanceErrorInfo': {
                'NASInstanceErrorCode': 'string',
                'NASInstanceErrorMessage': 'string'
            },
            'NASInstanceIdentifier': 'string',
            'NASInstanceStatus': 'string',
            'NASInstanceType': 123,
            'NASSecurityGroups': [
                {
                    'NASSecurityGroupName': 'string',
                    'Status': 'string'
                },
            ],
            'NetworkId': 'string',
            'NoRootSquash': True|False,
            'Protocol': 'string',
            'StorageType': 123,
            'UpgradeRequired': True|False
        },
    ],
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NASInstances** *(list)* –
    - *(dict)* –
      - **AllocatedStorage** *(integer)* –
      - **AuthenticationType** *(integer)* –
      - **AvailabilityZone** *(string)* –
      - **DirectoryServiceDomainName** *(string)* –
      - **DomainControllers** *(list)* –
      - *(dict)* –
      - **Hostname** *(string)* –
      - **IPAddress** *(string)* –
      - **Endpoint** *(dict)* –
      - **Address** *(string)* –
      - **PrivateAddress** *(string)* –

- **MasterUsername** *(string)* –
- **NASInstanceClass** *(string)* –
- **NASInstanceDescription** *(string)* –
- **NASInstanceErrorInfo** *(dict)* –
- **NASInstanceErrorCode** *(string)* –
- **NASInstanceErrorMessage** *(string)* –
- **NASInstanceIdentifier** *(string)* –
- **NASInstanceStatus** *(string)* –
- **NASInstanceType** *(integer)* –
- **NASSecurityGroups** *(list)* –
- *(dict)* –
- **NASSecurityGroupName** *(string)* –
- **Status** *(string)* –
- **NetworkId** *(string)* –
- **NoRootSquash** *(boolean)* –
- **Protocol** *(string)* –
- **StorageType** *(integer)* –
- **UpgradeRequired** *(boolean)* –

– **ResponseMetadata** *(dict)* –

* **RequestId** *(string)* –

nas / Client / describe_nas_security_groups

describe_nas_security_groups

`nas.Client.`**`describe_nas_security_groups`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_nas_security_groups(
    NASSecurityGroupName='string'
)
```

Parameters **NASSecurityGroupName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'NASSecurityGroups': [
        {
            'AvailabilityZone': 'string',
            'IPRanges': [
                {
                    'CIDRIP': 'string',
                    'Status': 'string'
                },
            ],
            'NASSecurityGroupDescription': 'string',
            'NASSecurityGroupName': 'string',
            'OwnerId': 'string',
            'SecurityGroups': [
                {
                    'SecurityGroupName': 'string',
```

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```
                    'SecurityGroupOwnerId': 'string',
                    'Status': 'string'
                },
            ]
        },
    ],
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NASSecurityGroups** *(list)* –
    - *(dict)* –
      - **AvailabilityZone** *(string)* –
      - **IPRanges** *(list)* –
      - *(dict)* –
      - **CIDRIP** *(string)* –
      - **Status** *(string)* –
      - **NASSecurityGroupDescription** *(string)* –
      - **NASSecurityGroupName** *(string)* –
      - **OwnerId** *(string)* –
      - **SecurityGroups** *(list)* –
      - *(dict)* –
      - **SecurityGroupName** *(string)* –
      - **SecurityGroupOwnerId** *(string)* –
      - **Status** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

nas / Client / get_metric_statistics

get_metric_statistics

`nas.Client.`**`get_metric_statistics`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_metric_statistics(
    Dimensions=[
        {
            'Name': 'string',
            'Value': 'string'
        },
    ],
    EndTime=datetime(2015, 1, 1),
    MetricName='FreeStorageSpace'|'UsedStorageSpace'|'ReadIOPS'|'WriteIOPS'|
↪'ReadThroughput'|'WriteThroughput'|'ActiveConnections'|'GlobalReadTraffic'|
↪'PrivateReadTraffic'|'GlobalWriteTraffic'|'PrivateWriteTraffic',
    StartTime=datetime(2015, 1, 1)
)
```

Parameters

- **Dimensions** (*list*) – **[REQUIRED]**
  - *(dict)* –
    - **Name** *(string)* – **[REQUIRED]**
    - **Value** *(string)* – **[REQUIRED]**
- **EndTime** (*datetime*) –
- **MetricName** (*string*) – **[REQUIRED]**
- **StartTime** (*datetime*) –

Return type dict

Returns

Response Syntax

```
{
    'Datapoints': [
        {
            'SampleCount': 123,
            'Sum': 123.0,
            'TargetName': 'string',
            'Timestamp': datetime(2015, 1, 1)
        },
    ],
    'Label': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **Datapoints** *(list)* –
    - *(dict)* –
      - **SampleCount** *(integer)* –
      - **Sum** *(float)* –
      - **TargetName** *(string)* –
      - **Timestamp** *(datetime)* –
  - **Label** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

nas / Client / get_paginator

get_paginator

`nas.Client.`**`get_paginator`**(*operation_name*)

Create a paginator for an operation.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Raises **OperationNotPageableError** – Raised if the operation is not pageable. You can use the `client.can_paginate` method to check if an operation is pageable.

Return type L{botocore.paginate.Paginator}

Returns A paginator object.

nas / Client / get_waiter

get_waiter

nas.Client.**get_waiter**(*waiter_name*)

Returns an object that can wait for some condition.

Parameters **waiter_name** (*str*) – The name of the waiter to get. See the waiters section of the service docs for a list of available waiters.

Returns The specified waiter object.

Return type botocore.waiter.Waiter

nas / Client / modify_nas_instance

modify_nas_instance

nas.Client.**modify_nas_instance**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.modify_nas_instance(
    AllocatedStorage=123,
    AuthenticationType=123,
    DirectoryServiceAdministratorName='string',
    DirectoryServiceAdministratorPassword='string',
    DirectoryServiceDomainName='string',
    DomainControllers=[
        {
            'Hostname': 'string',
            'IPAddress': 'string'
        },
    ],
    MasterPrivateAddress='string',
    MasterUserPassword='string',
    NASInstanceDescription='string',
    NASInstanceIdentifier='string',
    NASSecurityGroups=[
        'string',
    ],
    NetworkId='string',
    NewNASInstanceIdentifier='string',
    NoRootSquash=True|False
)
```

Parameters

- **AllocatedStorage** (*integer*) –
- **AuthenticationType** (*integer*) –
- **DirectoryServiceAdministratorName** (*string*) –
- **DirectoryServiceAdministratorPassword** (*string*) –
- **DirectoryServiceDomainName** (*string*) –
- **DomainControllers** (*list*) –
  - *(dict)* –
    - **Hostname** *(string)* –
    - **IPAddress** *(string)* –
- **MasterPrivateAddress** (*string*) –
- **MasterUserPassword** (*string*) –
- **NASInstanceDescription** (*string*) –
- **NASInstanceIdentifier** (*string*) – **[REQUIRED]**

- **NASSecurityGroups** (*list*) –
  - *(string)* –
- **NetworkId** (*string*) –
- **NewNASInstanceIdentifier** (*string*) –
- **NoRootSquash** (*boolean*) –

Return type dict

Returns

Response Syntax

```
{
    'NASInstance': {
        'AllocatedStorage': 123,
        'AuthenticationType': 123,
        'AvailabilityZone': 'string',
        'DirectoryServiceDomainName': 'string',
        'DomainControllers': [
            {
                'Hostname': 'string',
                'IPAddress': 'string'
            },
        ],
        'Endpoint': {
            'Address': 'string',
            'PrivateAddress': 'string'
        },
        'MasterUsername': 'string',
        'NASInstanceClass': 'string',
        'NASInstanceDescription': 'string',
        'NASInstanceErrorInfo': {
            'NASInstanceErrorCode': 'string',
            'NASInstanceErrorMessage': 'string'
        },
        'NASInstanceIdentifier': 'string',
        'NASInstanceStatus': 'string',
        'NASInstanceType': 123,
        'NASSecurityGroups': [
            {
                'NASSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'NetworkId': 'string',
        'NoRootSquash': True|False,
        'Protocol': 'string',
        'StorageType': 123,
        'UpgradeRequired': True|False
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NASInstance** *(dict)* –
    - **AllocatedStorage** *(integer)* –
    - **AuthenticationType** *(integer)* –

- **AvailabilityZone** *(string)* –
- **DirectoryServiceDomainName** *(string)* –
- **DomainControllers** *(list)* –
  - *(dict)* –
  - **Hostname** *(string)* –
  - **IPAddress** *(string)* –
- **Endpoint** *(dict)* –
  - **Address** *(string)* –
  - **PrivateAddress** *(string)* –
- **MasterUsername** *(string)* –
- **NASInstanceClass** *(string)* –
- **NASInstanceDescription** *(string)* –
- **NASInstanceErrorInfo** *(dict)* –
  - **NASInstanceErrorCode** *(string)* –
  - **NASInstanceErrorMessage** *(string)* –
- **NASInstanceIdentifier** *(string)* –
- **NASInstanceStatus** *(string)* –
- **NASInstanceType** *(integer)* –
- **NASSecurityGroups** *(list)* –
  - *(dict)* –
  - **NASSecurityGroupName** *(string)* –
  - **Status** *(string)* –
- **NetworkId** *(string)* –
- **NoRootSquash** *(boolean)* –
- **Protocol** *(string)* –
- **StorageType** *(integer)* –
- **UpgradeRequired** *(boolean)* –

– **ResponseMetadata** *(dict)* –
- **RequestId** *(string)* –

nas / Client / modify_nas_security_group

modify_nas_security_group

`nas.Client.`**`modify_nas_security_group`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.modify_nas_security_group(
    NASSecurityGroupDescription='string',
    NASSecurityGroupName='string',
    NewNASSecurityGroupName='string'
)
```

Parameters

- **NASSecurityGroupDescription** (*string*) –
- **NASSecurityGroupName** (*string*) – **[REQUIRED]**
- **NewNASSecurityGroupName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'NASSecurityGroup': {
        'AvailabilityZone': 'string',
        'IPRanges': [
            {
                'CIDRIP': 'string',
                'Status': 'string'
            },
        ],
        'NASSecurityGroupDescription': 'string',
        'NASSecurityGroupName': 'string',
        'OwnerId': 'string',
        'SecurityGroups': [
            {
                'SecurityGroupName': 'string',
                'SecurityGroupOwnerId': 'string',
                'Status': 'string'
            },
        ]
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NASSecurityGroup** *(dict)* –
    - **AvailabilityZone** *(string)* –
    - **IPRanges** *(list)* –
      - *(dict)* –
      - **CIDRIP** *(string)* –
      - **Status** *(string)* –
    - **NASSecurityGroupDescription** *(string)* –
    - **NASSecurityGroupName** *(string)* –
    - **OwnerId** *(string)* –
    - **SecurityGroups** *(list)* –
      - *(dict)* –
      - **SecurityGroupName** *(string)* –
      - **SecurityGroupOwnerId** *(string)* –
      - **Status** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

nas / Client / revoke_nas_security_group_ingress

revoke_nas_security_group_ingress

`nas.Client.`**`revoke_nas_security_group_ingress`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.revoke_nas_security_group_ingress(
    CIDRIP='string',
```

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```
    NASSecurityGroupName='string',
    SecurityGroupName='string'
)
```

Parameters

- **CIDRIP** (*string*) –
- **NASSecurityGroupName** (*string*) – **[REQUIRED]**
- **SecurityGroupName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'NASSecurityGroup': {
        'AvailabilityZone': 'string',
        'IPRanges': [
            {
                'CIDRIP': 'string',
                'Status': 'string'
            },
        ],
        'NASSecurityGroupDescription': 'string',
        'NASSecurityGroupName': 'string',
        'OwnerId': 'string',
        'SecurityGroups': [
            {
                'SecurityGroupName': 'string',
                'SecurityGroupOwnerId': 'string',
                'Status': 'string'
            },
        ]
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NASSecurityGroup** *(dict)* –
    - **AvailabilityZone** *(string)* –
    - **IPRanges** *(list)* –
      - *(dict)* –
      - **CIDRIP** *(string)* –
      - **Status** *(string)* –
    - **NASSecurityGroupDescription** *(string)* –
    - **NASSecurityGroupName** *(string)* –
    - **OwnerId** *(string)* –
    - **SecurityGroups** *(list)* –
      - *(dict)* –
      - **SecurityGroupName** *(string)* –
      - **SecurityGroupOwnerId** *(string)* –
      - **Status** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

nas / Client / upgrade_nas_instance

upgrade_nas_instance

nas.Client.**upgrade_nas_instance**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.upgrade_nas_instance(
    NASInstanceIdentifier='string'
)
```

Parameters **NASInstanceIdentifier** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'NASInstance': {
        'AllocatedStorage': 123,
        'AuthenticationType': 123,
        'AvailabilityZone': 'string',
        'DirectoryServiceDomainName': 'string',
        'DomainControllers': [
            {
                'Hostname': 'string',
                'IPAddress': 'string'
            },
        ],
        'Endpoint': {
            'Address': 'string',
            'PrivateAddress': 'string'
        },
        'MasterUsername': 'string',
        'NASInstanceClass': 'string',
        'NASInstanceDescription': 'string',
        'NASInstanceErrorInfo': {
            'NASInstanceErrorCode': 'string',
            'NASInstanceErrorMessage': 'string'
        },
        'NASInstanceIdentifier': 'string',
        'NASInstanceStatus': 'string',
        'NASInstanceType': 123,
        'NASSecurityGroups': [
            {
                'NASSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'NetworkId': 'string',
        'NoRootSquash': True|False,
        'Protocol': 'string',
        'StorageType': 123,
        'UpgradeRequired': True|False
    },
```

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```
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **NASInstance** *(dict)* –
    - **AllocatedStorage** *(integer)* –
    - **AuthenticationType** *(integer)* –
    - **AvailabilityZone** *(string)* –
    - **DirectoryServiceDomainName** *(string)* –
    - **DomainControllers** *(list)* –
      - *(dict)* –
      - **Hostname** *(string)* –
      - **IPAddress** *(string)* –
    - **Endpoint** *(dict)* –
      - **Address** *(string)* –
      - **PrivateAddress** *(string)* –
    - **MasterUsername** *(string)* –
    - **NASInstanceClass** *(string)* –
    - **NASInstanceDescription** *(string)* –
    - **NASInstanceErrorInfo** *(dict)* –
      - **NASInstanceErrorCode** *(string)* –
      - **NASInstanceErrorMessage** *(string)* –
    - **NASInstanceIdentifier** *(string)* –
    - **NASInstanceStatus** *(string)* –
    - **NASInstanceType** *(integer)* –
    - **NASSecurityGroups** *(list)* –
      - *(dict)* –
      - **NASSecurityGroupName** *(string)* –
      - **Status** *(string)* –
    - **NetworkId** *(string)* –
    - **NoRootSquash** *(boolean)* –
    - **Protocol** *(string)* –
    - **StorageType** *(integer)* –
    - **UpgradeRequired** *(boolean)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

1.5.2 Client Exceptions

Client exceptions are available on a client instance via the `exceptions` property. For more detailed instructions and examples on the exact usage of client exceptions, see the error handling user guide.

This client has no modeled exception classes.

1.5.3 Waiters

Waiters are available on a client instance via the `get_waiter` method. For more detailed instructions and examples on the usage or waiters, see the waiters user guide.

The available waiters are:

nas / Waiter / NASInstanceAvailable

NASInstanceAvailable

class nas.Waiter.**NASInstanceAvailable**

```
waiter = client.get_waiter('nas_instance_available')
```

wait(***kwargs*)

Polls *nas.Client.describe_nas_instances()* every 40 seconds until a successful state is reached. An error is returned after 80 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    NASInstanceIdentifier='string',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **NASInstanceIdentifier** (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 40
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 80

Returns None

nas / Waiter / NASInstanceDeleted

NASInstanceDeleted

class nas.Waiter.**NASInstanceDeleted**

```
waiter = client.get_waiter('nas_instance_deleted')
```

wait(***kwargs*)

Polls *nas.Client.describe_nas_instances()* every 40 seconds until a successful state is reached. An error is returned after 80 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    NASInstanceIdentifier='string',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **NASInstanceIdentifier** (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 40
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 80

Returns None

nas / Waiter / NASInstanceExists

NASInstanceExists

class nas.Waiter.**NASInstanceExists**

```
waiter = client.get_waiter('nas_instance_exists')
```

wait(***kwargs*)

Polls `nas.Client.describe_nas_instances()` every 40 seconds until a successful state is reached. An error is returned after 80 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    NASInstanceIdentifier='string',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **NASInstanceIdentifier** (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 40
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 80

Returns None

nas / Waiter / NASInstanceFailed

NASInstanceFailed

class nas.Waiter.**NASInstanceFailed**

```
waiter = client.get_waiter('nas_instance_failed')
```

wait(***kwargs*)

Polls *nas.Client.describe_nas_instances()* every 40 seconds until a successful state is reached. An error is returned after 80 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    NASInstanceIdentifier='string',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **NASInstanceIdentifier** (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 40
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 80

Returns None

nas / Waiter / NASInstanceStorageFull

NASInstanceStorageFull

class nas.Waiter.**NASInstanceStorageFull**

```
waiter = client.get_waiter('nas_instance_storage_full')
```

wait(***kwargs*)

Polls *nas.Client.describe_nas_instances()* every 40 seconds until a successful state is reached. An error is returned after 80 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    NASInstanceIdentifier='string',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **NASInstanceIdentifier** (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 40
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 80

Returns None

nas / Waiter / NASSecurityGroupDeleted

NASSecurityGroupDeleted

class nas.Waiter.**NASSecurityGroupDeleted**

```
waiter = client.get_waiter('nas_security_group_deleted')
```

wait (***kwargs*)

Polls *nas.Client.describe_nas_security_groups()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    NASSecurityGroupName='string',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **NASSecurityGroupName** (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

nas / Waiter / NASSecurityGroupExists

NASSecurityGroupExists

class nas.Waiter.**NASSecurityGroupExists**

```
waiter = client.get_waiter('nas_security_group_exists')
```

wait (***kwargs*)

Polls `nas.Client.describe_nas_security_groups()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    NASSecurityGroupName='string',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **NASSecurityGroupName** (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

nas / Waiter / NASSecurityGroupIPRangesAuthFailed

NASSecurityGroupIPRangesAuthFailed

class nas.Waiter.**NASSecurityGroupIPRangesAuthFailed**

```
waiter = client.get_waiter('nas_security_group_ip_ranges_auth_failed')
```

wait (***kwargs*)

Polls `nas.Client.describe_nas_security_groups()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    NASSecurityGroupName='string',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **NASSecurityGroupName** (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.

- **Delay** *(integer)* –

  The amount of time in seconds to wait between attempts. Default: 20
- **MaxAttempts** *(integer)* –

  The maximum number of attempts to be made. Default: 40

Returns None

nas / Waiter / NASSecurityGroupIPRangesAuthorized

NASSecurityGroupIPRangesAuthorized

class nas.Waiter.**NASSecurityGroupIPRangesAuthorized**

```
waiter = client.get_waiter('nas_security_group_ip_ranges_authorized')
```

wait (***kwargs*)

Polls *nas.Client.describe_nas_security_groups()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    NASSecurityGroupName='string',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **NASSecurityGroupName** (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

nas / Waiter / NASSecurityGroupIPRangesEmptied

NASSecurityGroupIPRangesEmptied

class nas.Waiter.**NASSecurityGroupIPRangesEmptied**

```
waiter = client.get_waiter('nas_security_group_ip_ranges_emptied')
```

wait (***kwargs*)

Polls *nas.Client.describe_nas_security_groups()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    NASSecurityGroupName='string',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **NASSecurityGroupName** (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

nas / Waiter / NASSecurityGroupIPRangesRevokeFailed

NASSecurityGroupIPRangesRevokeFailed

class nas.Waiter.**NASSecurityGroupIPRangesRevokeFailed**

```
waiter = client.get_waiter('nas_security_group_ip_ranges_revoke_failed')
```

wait(***kwargs*)

Polls `nas.Client.describe_nas_security_groups()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    NASSecurityGroupName='string',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **NASSecurityGroupName** (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

nas / Waiter / NASSecurityGroupSecurityGroupsAuthFailed

NASSecurityGroupSecurityGroupsAuthFailed

class nas.Waiter.**NASSecurityGroupSecurityGroupsAuthFailed**

```
waiter = client.get_waiter('nas_security_group_security_groups_auth_failed')
```

wait(***kwargs*)

Polls *nas.Client.describe_nas_security_groups()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    NASSecurityGroupName='string',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **NASSecurityGroupName** (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

nas / Waiter / NASSecurityGroupSecurityGroupsAuthorized

NASSecurityGroupSecurityGroupsAuthorized

class nas.Waiter.**NASSecurityGroupSecurityGroupsAuthorized**

```
waiter = client.get_waiter('nas_security_group_security_groups_authorized')
```

wait(***kwargs*)

Polls *nas.Client.describe_nas_security_groups()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    NASSecurityGroupName='string',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **NASSecurityGroupName** (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

nas / Waiter / NASSecurityGroupSecurityGroupsEmptied

NASSecurityGroupSecurityGroupsEmptied

class nas.Waiter.**NASSecurityGroupSecurityGroupsEmptied**

```
waiter = client.get_waiter('nas_security_group_security_groups_emptied')
```

wait(***kwargs*)

Polls `nas.Client.describe_nas_security_groups()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    NASSecurityGroupName='string',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **NASSecurityGroupName** (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

nas / Waiter / NASSecurityGroupSecurityGroupsRevokeFailed

NASSecurityGroupSecurityGroupsRevokeFailed

class nas.Waiter.**NASSecurityGroupSecurityGroupsRevokeFailed**

```
waiter = client.get_waiter('nas_security_group_security_groups_revoke_failed')
```

wait(***kwargs*)

Polls *nas.Client.describe_nas_security_groups()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    NASSecurityGroupName='string',
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **NASSecurityGroupName** (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

1.6 rdb

1.6.1 Client

class rdb.**Client**

A low-level client representing NIFCLOUD RDB

```
client = session.create_client('rdb')
```

These are the available methods:

rdb / Client / add_source_identifier_to_subscription

add_source_identifier_to_subscription

rdb.Client.**add_source_identifier_to_subscription**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.add_source_identifier_to_subscription(
    SourceIdentifier='string',
    SubscriptionName='string'
)
```

Parameters

- **SourceIdentifier** (*string*) – **[REQUIRED]**
- **SubscriptionName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'EventSubscription': {
        'CustSubscriptionId': 'string',
        'Enabled': True|False,
        'EventCategoriesList': [
            'string',
        ],
        'NiftyDescription': 'string',
        'NiftyEmailAddressesList': [
            'string',
        ],
        'SourceIdsList': [
            'string',
        ],
        'SourceType': 'string',
        'Status': 'string',
        'SubscriptionCreationTime': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **EventSubscription** *(dict)* –
    - **CustSubscriptionId** *(string)* –
    - **Enabled** *(boolean)* –
    - **EventCategoriesList** *(list)* –
      - *(string)* –
    - **NiftyDescription** *(string)* –
    - **NiftyEmailAddressesList** *(list)* –
      - *(string)* –
    - **SourceIdsList** *(list)* –
      - *(string)* –
    - **SourceType** *(string)* –
    - **Status** *(string)* –
    - **SubscriptionCreationTime** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / authorize_db_security_group_ingress

authorize_db_security_group_ingress

`rdb.Client.`**`authorize_db_security_group_ingress`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.authorize_db_security_group_ingress(
    CIDRIP='string',
    DBSecurityGroupName='string',
    EC2SecurityGroupId='string',
    EC2SecurityGroupName='string',
    EC2SecurityGroupOwnerId='string'
)
```

Parameters

- **CIDRIP** (*string*) –
- **DBSecurityGroupName** (*string*) – **[REQUIRED]**
- **EC2SecurityGroupId** (*string*) –
- **EC2SecurityGroupName** (*string*) –
- **EC2SecurityGroupOwnerId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'DBSecurityGroup': {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
            {
                'EC2SecurityGroupName': 'string',
                'EC2SecurityGroupOwnerId': 'string',
                'Status': 'string'
            },
        ],
        'IPRanges': [
            {
                'CIDRIP': 'string',
                'Status': 'string'
            },
        ],
        'NiftyAvailabilityZone': 'string',
        'OwnerId': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBSecurityGroup** *(dict)* –
    - **DBSecurityGroupDescription** *(string)* –
    - **DBSecurityGroupName** *(string)* –
    - **EC2SecurityGroups** *(list)* –
      - *(dict)* –

- · **EC2SecurityGroupName** *(string)* –
- · **EC2SecurityGroupOwnerId** *(string)* –
- · **Status** *(string)* –
- ∗ **IPRanges** *(list)* –
  - · *(dict)* –
  - · **CIDRIP** *(string)* –
  - · **Status** *(string)* –
- ∗ **NiftyAvailabilityZone** *(string)* –
- ∗ **OwnerId** *(string)* –

– **ResponseMetadata** *(dict)* –

- ∗ **RequestId** *(string)* –

rdb / Client / can_paginate

can_paginate

`rdb.Client.`**`can_paginate`**`(`*operation_name*`)`

Check if an operation can be paginated.

Parameters **`operation_name`** (*`string`*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Returns `True` if the operation can be paginated, `False` otherwise.

rdb / Client / close

close

`rdb.Client.`**`close`**`()`

Closes underlying endpoint connections.

rdb / Client / copy_db_snapshot

copy_db_snapshot

`rdb.Client.`**`copy_db_snapshot`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.copy_db_snapshot(
    SourceDBSnapshotIdentifier='string',
    TargetDBSnapshotIdentifier='string'
)
```

Parameters

- **`SourceDBSnapshotIdentifier`** (*`string`*) – **[REQUIRED]**
- **`TargetDBSnapshotIdentifier`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'DBSnapshot': {
        'AllocatedStorage': 123,
        'AvailabilityZone': 'string',
        'DBInstanceIdentifier': 'string',
        'DBSnapshotIdentifier': 'string',
        'Engine': 'string',
        'EngineVersion': 'string',
        'InstanceCreateTime': datetime(2015, 1, 1),
        'LicenseModel': 'string',
        'MasterUsername': 'string',
        'OptionGroupName': 'string',
        'Port': 123,
        'SnapshotCreateTime': datetime(2015, 1, 1),
        'SnapshotType': 'string',
        'Status': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBSnapshot** *(dict)* –
    - **AllocatedStorage** *(integer)* –
    - **AvailabilityZone** *(string)* –
    - **DBInstanceIdentifier** *(string)* –
    - **DBSnapshotIdentifier** *(string)* –
    - **Engine** *(string)* –
    - **EngineVersion** *(string)* –
    - **InstanceCreateTime** *(datetime)* –
    - **LicenseModel** *(string)* –
    - **MasterUsername** *(string)* –
    - **OptionGroupName** *(string)* –
    - **Port** *(integer)* –
    - **SnapshotCreateTime** *(datetime)* –
    - **SnapshotType** *(string)* –
    - **Status** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / create_db_instance

create_db_instance

`rdb.Client.`**`create_db_instance`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_db_instance(
    AccountingType='1'|'2',
    AllocatedStorage=123,
    AutoMinorVersionUpgrade=True|False,
```

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```
    AvailabilityZone='string',
    BackupRetentionPeriod=123,
    CharacterSetName='string',
    DBInstanceClass='db.mini'|'db.e-small'|'db.small'|'db.e-small2'|'db.small2'|
↪'db.e-small4'|'db.small4'|'db.e-small8'|'db.small8'|'db.e-small16'|'db.small16'|
↪'db.e-medium'|'db.medium'|'db.e-medium4'|'db.medium4'|'db.e-medium8'|'db.medium8
↪'|'db.e-medium16'|'db.medium16'|'db.e-medium24'|'db.medium24'|'db.e-large'|'db.
↪large'|'db.e-large8'|'db.large8'|'db.e-large16'|'db.large16'|'db.e-large24'|'db.
↪large24'|'db.e-large32'|'db.large32'|'db.e-extra-large8'|'db.extra-large8'|'db.
↪e-extra-large16'|'db.extra-large16'|'db.e-extra-large24'|'db.extra-large24'|'db.
↪e-extra-large32'|'db.extra-large32'|'db.e-extra-large48'|'db.extra-large48'|'db.
↪e-double-large16'|'db.double-large16'|'db.e-double-large24'|'db.double-large24'|
↪'db.e-double-large32'|'db.double-large32'|'db.e-double-large48'|'db.double-
↪large48'|'db.e-double-large64'|'db.double-large64'|'db.e-double-large96'|'db.
↪double-large96'|'db.triple-large32'|'db.triple-large48'|'db.triple-large64'|'db.
↪triple-large96'|'db.triple-large128'|'db.quad-large64'|'db.quad-large96'|'db.
↪quad-large128'|'db.septa-large128',
    DBInstanceIdentifier='string',
    DBName='string',
    DBParameterGroupName='string',
    DBSecurityGroups=[
        'string',
    ],
    DBSubnetGroupName='string',
    Engine='MySQL'|'postgres',
    EngineVersion='string',
    Iops=123,
    LicenseModel='string',
    MasterUserPassword='string',
    MasterUsername='string',
    MultiAZ=True|False,
    NiftyMasterPrivateAddress='string',
    NiftyMultiAZType=123,
    NiftyNetworkId='string',
    NiftySlavePrivateAddress='string',
    NiftyStorageType=123,
    NiftyVirtualPrivateAddress='string',
    OptionGroupName='string',
    Port=123,
    PreferredBackupWindow='string',
    PreferredMaintenanceWindow='string',
    PubliclyAccessible=True|False,
    VpcSecurityGroupIds=[
        'string',
    ]
)
```

Parameters

- **AccountingType** (*string*) –
- **AllocatedStorage** (*integer*) – **[REQUIRED]**
- **AutoMinorVersionUpgrade** (*boolean*) –
- **AvailabilityZone** (*string*) –
- **BackupRetentionPeriod** (*integer*) –
- **CharacterSetName** (*string*) –
- **DBInstanceClass** (*string*) – **[REQUIRED]**
- **DBInstanceIdentifier** (*string*) – **[REQUIRED]**

- **DBName** (*string*) –
- **DBParameterGroupName** (*string*) –
- **DBSecurityGroups** (*list*) –
  - *(string)* –
- **DBSubnetGroupName** (*string*) –
- **Engine** (*string*) – **[REQUIRED]**
- **EngineVersion** (*string*) –
- **Iops** (*integer*) –
- **LicenseModel** (*string*) –
- **MasterUserPassword** (*string*) – **[REQUIRED]**
- **MasterUsername** (*string*) – **[REQUIRED]**
- **MultiAZ** (*boolean*) –
- **NiftyMasterPrivateAddress** (*string*) –
- **NiftyMultiAZType** (*integer*) –
- **NiftyNetworkId** (*string*) –
- **NiftySlavePrivateAddress** (*string*) –
- **NiftyStorageType** (*integer*) –
- **NiftyVirtualPrivateAddress** (*string*) –
- **OptionGroupName** (*string*) –
- **Port** (*integer*) –
- **PreferredBackupWindow** (*string*) –
- **PreferredMaintenanceWindow** (*string*) –
- **PubliclyAccessible** (*boolean*) –
- **VpcSecurityGroupIds** (*list*) –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'DBInstance': {
        'AccountingType': 'string',
        'AllocatedStorage': 123,
        'AutoMinorVersionUpgrade': True|False,
        'AvailabilityZone': 'string',
        'BackupRetentionPeriod': 123,
        'BinlogRetentionPeriod': 123,
        'CACertificateIdentifier': 'string',
        'DBInstanceClass': 'string',
        'DBInstanceIdentifier': 'string',
        'DBInstanceStatus': 'string',
        'DBName': 'string',
        'DBParameterGroups': [
            {
                'DBParameterGroupName': 'string',
                'ParameterApplyStatus': 'string'
            },
        ],
        'DBSecurityGroups': [
            {
                'DBSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'Endpoint': {
```

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```
            'Address': 'string',
            'NiftyPrivateAddress': 'string',
            'Port': 123
        },
        'Engine': 'string',
        'EngineVersion': 'string',
        'ExternalReplicationInfo': {
            'ExternalMasterAddress': 'string',
            'ExternalReplicationMessage': 'string',
            'ExternalReplicationStatus': 'string',
            'ReplicationAddresses': [
                'string',
            ],
            'ReplicationPrivateAddresses': [
                'string',
            ]
        },
        'InstanceCreateTime': datetime(2015, 1, 1),
        'LatestRestorableTime': datetime(2015, 1, 1),
        'LicenseModel': 'string',
        'MasterUsername': 'string',
        'MultiAZ': True|False,
        'NextMonthAccountingType': 'string',
        'NiftyMasterPrivateAddress': 'string',
        'NiftyMultiAZType': 'string',
        'NiftyNetworkId': 'string',
        'NiftySlavePrivateAddress': 'string',
        'NiftyStorageType': 123,
        'OptionGroupMemberships': [
            {
                'OptionGroupName': 'string',
                'Status': 'string'
            },
        ],
        'PendingModifiedValues': {
            'AllocatedStorage': 123,
            'BackupRetentionPeriod': 123,
            'DBInstanceClass': 'string',
            'DBInstanceIdentifier': 'string',
            'EngineVersion': 'string',
            'MasterUserPassword': 'string',
            'MultiAZ': True|False,
            'Port': 123
        },
        'PreferredBackupWindow': 'string',
        'PreferredMaintenanceWindow': 'string',
        'PubliclyAccessible': True|False,
        'ReadReplicaDBInstanceIdentifiers': [
            'string',
        ],
        'ReadReplicaSourceDBInstanceIdentifier': 'string',
        'SecondaryAvailabilityZone': 'string',
        'StatusInfos': [
            {
                'Message': 'string',
                'Normal': True|False,
                'Status': 'string',
```

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```
                'StatusType': 'string'
            },
        ],
        'VpcSecurityGroups': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBInstance** *(dict)* –
    - **AccountingType** *(string)* –
    - **AllocatedStorage** *(integer)* –
    - **AutoMinorVersionUpgrade** *(boolean)* –
    - **AvailabilityZone** *(string)* –
    - **BackupRetentionPeriod** *(integer)* –
    - **BinlogRetentionPeriod** *(integer)* –
    - **CACertificateIdentifier** *(string)* –
    - **DBInstanceClass** *(string)* –
    - **DBInstanceIdentifier** *(string)* –
    - **DBInstanceStatus** *(string)* –
    - **DBName** *(string)* –
    - **DBParameterGroups** *(list)* –
      - *(dict)* –
      - **DBParameterGroupName** *(string)* –
      - **ParameterApplyStatus** *(string)* –
    - **DBSecurityGroups** *(list)* –
      - *(dict)* –
      - **DBSecurityGroupName** *(string)* –
      - **Status** *(string)* –
    - **Endpoint** *(dict)* –
      - **Address** *(string)* –
      - **NiftyPrivateAddress** *(string)* –
      - **Port** *(integer)* –
    - **Engine** *(string)* –
    - **EngineVersion** *(string)* –
    - **ExternalReplicationInfo** *(dict)* –
      - **ExternalMasterAddress** *(string)* –
      - **ExternalReplicationMessage** *(string)* –
      - **ExternalReplicationStatus** *(string)* –
      - **ReplicationAddresses** *(list)* –
      - *(string)* –
      - **ReplicationPrivateAddresses** *(list)* –
      - *(string)* –
    - **InstanceCreateTime** *(datetime)* –
    - **LatestRestorableTime** *(datetime)* –
    - **LicenseModel** *(string)* –
    - **MasterUsername** *(string)* –
    - **MultiAZ** *(boolean)* –
    - **NextMonthAccountingType** *(string)* –
    - **NiftyMasterPrivateAddress** *(string)* –

- **NiftyMultiAZType** *(string)* –
- **NiftyNetworkId** *(string)* –
- **NiftySlavePrivateAddress** *(string)* –
- **NiftyStorageType** *(integer)* –
- **OptionGroupMemberships** *(list)* –
  - *(dict)* –
  - **OptionGroupName** *(string)* –
  - **Status** *(string)* –
- **PendingModifiedValues** *(dict)* –
  - **AllocatedStorage** *(integer)* –
  - **BackupRetentionPeriod** *(integer)* –
  - **DBInstanceClass** *(string)* –
  - **DBInstanceIdentifier** *(string)* –
  - **EngineVersion** *(string)* –
  - **MasterUserPassword** *(string)* –
  - **MultiAZ** *(boolean)* –
  - **Port** *(integer)* –
- **PreferredBackupWindow** *(string)* –
- **PreferredMaintenanceWindow** *(string)* –
- **PubliclyAccessible** *(boolean)* –
- **ReadReplicaDBInstanceIdentifiers** *(list)* –
  - *(string)* –
- **ReadReplicaSourceDBInstanceIdentifier** *(string)* –
- **SecondaryAvailabilityZone** *(string)* –
- **StatusInfos** *(list)* –
  - *(dict)* –
  - **Message** *(string)* –
  - **Normal** *(boolean)* –
  - **Status** *(string)* –
  - **StatusType** *(string)* –
- **VpcSecurityGroups** *(string)* –

– **ResponseMetadata** *(dict)* –
- **RequestId** *(string)* –

rdb / Client / create_db_instance_read_replica

create_db_instance_read_replica

`rdb.Client.`**`create_db_instance_read_replica`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_db_instance_read_replica(
    AccountingType='1'|'2',
    AutoMinorVersionUpgrade=True|False,
    AvailabilityZone='string',
    DBInstanceClass='db.mini'|'db.e-small'|'db.small'|'db.e-small2'|'db.small2'|
↪'db.e-small4'|'db.small4'|'db.e-small8'|'db.small8'|'db.e-small16'|'db.small16'|
↪'db.e-medium'|'db.medium'|'db.e-medium4'|'db.medium4'|'db.e-medium8'|'db.medium8
↪'|'db.e-medium16'|'db.medium16'|'db.e-medium24'|'db.medium24'|'db.e-large'|'db.
↪large'|'db.e-large8'|'db.large8'|'db.e-large16'|'db.large16'|'db.e-large24'|'db.
↪large24'|'db.e-large32'|'db.large32'|'db.e-extra-large8'|'db.extra-large8'|'db.
↪e-extra-large16'|'db.extra-large16'|'db.e-extra-large24'|'db.extra-large24'|'db.
↪e-extra-large32'|'db.extra-large32'|'db.e-extra-large48'|'db.extra-large48'|'db.
↪e-double-large16'|'db.double-large16'|'db.e-double-large24'|'db.double-large24'|
↪'db.e-double-large32'|'db.double-large32'|'db.e-double-large48'|'db.double-
↪large48'|'db.e-double-large64'|'db.double-large64'|'db.e-double-large96'|'db.
↪double-large96'|'db.triple-large32'|'db.triple-large48'|'db.triple-large64'|'db.
↪triple-large96'|'db.triple-large128'|'db.quad-large64'|'db.quad-large96'|'db.
↪quad-large128'|'db.septa-large128',
```

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```
    DBInstanceIdentifier='string',
    Iops=123,
    NiftyReadReplicaPrivateAddress='string',
    NiftyStorageType=123,
    OptionGroupName='string',
    Port=123,
    PubliclyAccessible=True|False,
    SourceDBInstanceIdentifier='string'
)
```

Parameters

- **AccountingType** (*string*) –
- **AutoMinorVersionUpgrade** (*boolean*) –
- **AvailabilityZone** (*string*) –
- **DBInstanceClass** (*string*) –
- **DBInstanceIdentifier** (*string*) – **[REQUIRED]**
- **Iops** (*integer*) –
- **NiftyReadReplicaPrivateAddress** (*string*) –
- **NiftyStorageType** (*integer*) –
- **OptionGroupName** (*string*) –
- **Port** (*integer*) –
- **PubliclyAccessible** (*boolean*) –
- **SourceDBInstanceIdentifier** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'DBInstance': {
        'AccountingType': 'string',
        'AllocatedStorage': 123,
        'AutoMinorVersionUpgrade': True|False,
        'AvailabilityZone': 'string',
        'BackupRetentionPeriod': 123,
        'BinlogRetentionPeriod': 123,
        'CACertificateIdentifier': 'string',
        'DBInstanceClass': 'string',
        'DBInstanceIdentifier': 'string',
        'DBInstanceStatus': 'string',
        'DBName': 'string',
        'DBParameterGroups': [
            {
                'DBParameterGroupName': 'string',
                'ParameterApplyStatus': 'string'
            },
        ],
        'DBSecurityGroups': [
            {
                'DBSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'Endpoint': {
            'Address': 'string',
            'NiftyPrivateAddress': 'string',
```

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```
            'Port': 123
        },
        'Engine': 'string',
        'EngineVersion': 'string',
        'ExternalReplicationInfo': {
            'ExternalMasterAddress': 'string',
            'ExternalReplicationMessage': 'string',
            'ExternalReplicationStatus': 'string',
            'ReplicationAddresses': [
                'string',
            ],
            'ReplicationPrivateAddresses': [
                'string',
            ]
        },
        'InstanceCreateTime': datetime(2015, 1, 1),
        'LatestRestorableTime': datetime(2015, 1, 1),
        'LicenseModel': 'string',
        'MasterUsername': 'string',
        'MultiAZ': True|False,
        'NextMonthAccountingType': 'string',
        'NiftyMasterPrivateAddress': 'string',
        'NiftyMultiAZType': 'string',
        'NiftyNetworkId': 'string',
        'NiftySlavePrivateAddress': 'string',
        'NiftyStorageType': 123,
        'OptionGroupMemberships': [
            {
                'OptionGroupName': 'string',
                'Status': 'string'
            },
        ],
        'PendingModifiedValues': {
            'AllocatedStorage': 123,
            'BackupRetentionPeriod': 123,
            'DBInstanceClass': 'string',
            'DBInstanceIdentifier': 'string',
            'EngineVersion': 'string',
            'MasterUserPassword': 'string',
            'MultiAZ': True|False,
            'Port': 123
        },
        'PreferredBackupWindow': 'string',
        'PreferredMaintenanceWindow': 'string',
        'PubliclyAccessible': True|False,
        'ReadReplicaDBInstanceIdentifiers': [
            'string',
        ],
        'ReadReplicaSourceDBInstanceIdentifier': 'string',
        'SecondaryAvailabilityZone': 'string',
        'StatusInfos': [
            {
                'Message': 'string',
                'Normal': True|False,
                'Status': 'string',
                'StatusType': 'string'
            },
```

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```
        ],
        'VpcSecurityGroups': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBInstance** *(dict)* –
    - **AccountingType** *(string)* –
    - **AllocatedStorage** *(integer)* –
    - **AutoMinorVersionUpgrade** *(boolean)* –
    - **AvailabilityZone** *(string)* –
    - **BackupRetentionPeriod** *(integer)* –
    - **BinlogRetentionPeriod** *(integer)* –
    - **CACertificateIdentifier** *(string)* –
    - **DBInstanceClass** *(string)* –
    - **DBInstanceIdentifier** *(string)* –
    - **DBInstanceStatus** *(string)* –
    - **DBName** *(string)* –
    - **DBParameterGroups** *(list)* –
      - *(dict)* –
      - **DBParameterGroupName** *(string)* –
      - **ParameterApplyStatus** *(string)* –
    - **DBSecurityGroups** *(list)* –
      - *(dict)* –
      - **DBSecurityGroupName** *(string)* –
      - **Status** *(string)* –
    - **Endpoint** *(dict)* –
      - **Address** *(string)* –
      - **NiftyPrivateAddress** *(string)* –
      - **Port** *(integer)* –
    - **Engine** *(string)* –
    - **EngineVersion** *(string)* –
    - **ExternalReplicationInfo** *(dict)* –
      - **ExternalMasterAddress** *(string)* –
      - **ExternalReplicationMessage** *(string)* –
      - **ExternalReplicationStatus** *(string)* –
      - **ReplicationAddresses** *(list)* –
      - *(string)* –
      - **ReplicationPrivateAddresses** *(list)* –
      - *(string)* –
    - **InstanceCreateTime** *(datetime)* –
    - **LatestRestorableTime** *(datetime)* –
    - **LicenseModel** *(string)* –
    - **MasterUsername** *(string)* –
    - **MultiAZ** *(boolean)* –
    - **NextMonthAccountingType** *(string)* –
    - **NiftyMasterPrivateAddress** *(string)* –
    - **NiftyMultiAZType** *(string)* –
    - **NiftyNetworkId** *(string)* –

- NiftySlavePrivateAddress *(string)* –
- NiftyStorageType *(integer)* –
- OptionGroupMemberships *(list)* –
  - *(dict)* –
  - OptionGroupName *(string)* –
  - Status *(string)* –
- PendingModifiedValues *(dict)* –
  - AllocatedStorage *(integer)* –
  - BackupRetentionPeriod *(integer)* –
  - DBInstanceClass *(string)* –
  - DBInstanceIdentifier *(string)* –
  - EngineVersion *(string)* –
  - MasterUserPassword *(string)* –
  - MultiAZ *(boolean)* –
  - Port *(integer)* –
- PreferredBackupWindow *(string)* –
- PreferredMaintenanceWindow *(string)* –
- PubliclyAccessible *(boolean)* –
- ReadReplicaDBInstanceIdentifiers *(list)* –
  - *(string)* –
- ReadReplicaSourceDBInstanceIdentifier *(string)* –
- SecondaryAvailabilityZone *(string)* –
- StatusInfos *(list)* –
  - *(dict)* –
  - Message *(string)* –
  - Normal *(boolean)* –
  - Status *(string)* –
  - StatusType *(string)* –
- VpcSecurityGroups *(string)* –

– ResponseMetadata *(dict)* –
- RequestId *(string)* –

rdb / Client / create_db_parameter_group

create_db_parameter_group

`rdb.Client.`**`create_db_parameter_group`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_db_parameter_group(
    DBParameterGroupFamily='string',
    DBParameterGroupName='string',
    Description='string'
)
```

Parameters

- **DBParameterGroupFamily** (*string*) – **[REQUIRED]**
- **DBParameterGroupName** (*string*) – **[REQUIRED]**
- **Description** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'DBParameterGroup': {
        'DBParameterGroupFamily': 'string',
        'DBParameterGroupName': 'string',
        'Description': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBParameterGroup** *(dict)* –
    - **DBParameterGroupFamily** *(string)* –
    - **DBParameterGroupName** *(string)* –
    - **Description** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / create_db_security_group

create_db_security_group

`rdb.Client.`**`create_db_security_group`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_db_security_group(
    DBSecurityGroupDescription='string',
    DBSecurityGroupName='string',
    NiftyAvailabilityZone='string'
)
```

Parameters

- **DBSecurityGroupDescription** (*string*) – **[REQUIRED]**
- **DBSecurityGroupName** (*string*) – **[REQUIRED]**
- **NiftyAvailabilityZone** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'DBSecurityGroup': {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
            {
                'EC2SecurityGroupName': 'string',
                'EC2SecurityGroupOwnerId': 'string',
                'Status': 'string'
            },
        ],
        'IPRanges': [
```

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```
            {
                'CIDRIP': 'string',
                'Status': 'string'
            },
        ],
        'NiftyAvailabilityZone': 'string',
        'OwnerId': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBSecurityGroup** *(dict)* –
    - **DBSecurityGroupDescription** *(string)* –
    - **DBSecurityGroupName** *(string)* –
    - **EC2SecurityGroups** *(list)* –
      - *(dict)* –
      - **EC2SecurityGroupName** *(string)* –
      - **EC2SecurityGroupOwnerId** *(string)* –
      - **Status** *(string)* –
    - **IPRanges** *(list)* –
      - *(dict)* –
      - **CIDRIP** *(string)* –
      - **Status** *(string)* –
    - **NiftyAvailabilityZone** *(string)* –
    - **OwnerId** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / create_db_snapshot

create_db_snapshot

`rdb.Client.`**`create_db_snapshot`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_db_snapshot(
    DBInstanceIdentifier='string',
    DBSnapshotIdentifier='string'
)
```

Parameters

- **`DBInstanceIdentifier`** (*`string`*) – **[REQUIRED]**
- **`DBSnapshotIdentifier`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'DBSnapshot': {
        'AllocatedStorage': 123,
        'AvailabilityZone': 'string',
        'DBInstanceIdentifier': 'string',
        'DBSnapshotIdentifier': 'string',
        'Engine': 'string',
        'EngineVersion': 'string',
        'InstanceCreateTime': datetime(2015, 1, 1),
        'LicenseModel': 'string',
        'MasterUsername': 'string',
        'OptionGroupName': 'string',
        'Port': 123,
        'SnapshotCreateTime': datetime(2015, 1, 1),
        'SnapshotType': 'string',
        'Status': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBSnapshot** *(dict)* –
    - **AllocatedStorage** *(integer)* –
    - **AvailabilityZone** *(string)* –
    - **DBInstanceIdentifier** *(string)* –
    - **DBSnapshotIdentifier** *(string)* –
    - **Engine** *(string)* –
    - **EngineVersion** *(string)* –
    - **InstanceCreateTime** *(datetime)* –
    - **LicenseModel** *(string)* –
    - **MasterUsername** *(string)* –
    - **OptionGroupName** *(string)* –
    - **Port** *(integer)* –
    - **SnapshotCreateTime** *(datetime)* –
    - **SnapshotType** *(string)* –
    - **Status** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / create_event_subscription

create_event_subscription

`rdb.Client.`**`create_event_subscription`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.create_event_subscription(
    Enabled=True|False,
    EventCategories=[
        'string',
```

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```
    ],
    NiftyDescription='string',
    NiftyEmailAddresses=[
        'string',
    ],
    SourceIds=[
        'string',
    ],
    SourceType='db-instance'|'db-parameter-group'|'db-security-group'|'db-snapshot
↪',
    SubscriptionName='string'
)
```

Parameters

- **Enabled** (*boolean*) –
- **EventCategories** (*list*) –
  - *(string)* –
- **NiftyDescription** (*string*) –
- **NiftyEmailAddresses** (*list*) – **[REQUIRED]**
  - *(string)* –
- **SourceIds** (*list*) –
  - *(string)* –
- **SourceType** (*string*) –
- **SubscriptionName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'EventSubscription': {
        'CustSubscriptionId': 'string',
        'Enabled': True|False,
        'EventCategoriesList': [
            'string',
        ],
        'NiftyDescription': 'string',
        'NiftyEmailAddressesList': [
            'string',
        ],
        'SourceIdsList': [
            'string',
        ],
        'SourceType': 'string',
        'Status': 'string',
        'SubscriptionCreationTime': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **EventSubscription** *(dict)* –
    - **CustSubscriptionId** *(string)* –

* **Enabled** *(boolean)* –
* **EventCategoriesList** *(list)* –
  · *(string)* –
* **NiftyDescription** *(string)* –
* **NiftyEmailAddressesList** *(list)* –
  · *(string)* –
* **SourceIdsList** *(list)* –
  · *(string)* –
* **SourceType** *(string)* –
* **Status** *(string)* –
* **SubscriptionCreationTime** *(string)* –

– **ResponseMetadata** *(dict)* –
* **RequestId** *(string)* –

rdb / Client / delete_db_instance

delete_db_instance

`rdb.Client.`**`delete_db_instance`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_db_instance(
    DBInstanceIdentifier='string',
    FinalDBSnapshotIdentifier='string',
    SkipFinalSnapshot=True|False
)
```

Parameters

- **`DBInstanceIdentifier`** (*`string`*) – **[REQUIRED]**
- **`FinalDBSnapshotIdentifier`** (*`string`*) –
- **`SkipFinalSnapshot`** (*`boolean`*) –

Return type dict

Returns

Response Syntax

```
{
    'DBInstance': {
        'AccountingType': 'string',
        'AllocatedStorage': 123,
        'AutoMinorVersionUpgrade': True|False,
        'AvailabilityZone': 'string',
        'BackupRetentionPeriod': 123,
        'BinlogRetentionPeriod': 123,
        'CACertificateIdentifier': 'string',
        'DBInstanceClass': 'string',
        'DBInstanceIdentifier': 'string',
        'DBInstanceStatus': 'string',
        'DBName': 'string',
        'DBParameterGroups': [
            {
                'DBParameterGroupName': 'string',
                'ParameterApplyStatus': 'string'
            },
```

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```
        ],
        'DBSecurityGroups': [
            {
                'DBSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'Endpoint': {
            'Address': 'string',
            'NiftyPrivateAddress': 'string',
            'Port': 123
        },
        'Engine': 'string',
        'EngineVersion': 'string',
        'ExternalReplicationInfo': {
            'ExternalMasterAddress': 'string',
            'ExternalReplicationMessage': 'string',
            'ExternalReplicationStatus': 'string',
            'ReplicationAddresses': [
                'string',
            ],
            'ReplicationPrivateAddresses': [
                'string',
            ]
        },
        'InstanceCreateTime': datetime(2015, 1, 1),
        'LatestRestorableTime': datetime(2015, 1, 1),
        'LicenseModel': 'string',
        'MasterUsername': 'string',
        'MultiAZ': True|False,
        'NextMonthAccountingType': 'string',
        'NiftyMasterPrivateAddress': 'string',
        'NiftyMultiAZType': 'string',
        'NiftyNetworkId': 'string',
        'NiftySlavePrivateAddress': 'string',
        'NiftyStorageType': 123,
        'OptionGroupMemberships': [
            {
                'OptionGroupName': 'string',
                'Status': 'string'
            },
        ],
        'PendingModifiedValues': {
            'AllocatedStorage': 123,
            'BackupRetentionPeriod': 123,
            'DBInstanceClass': 'string',
            'DBInstanceIdentifier': 'string',
            'EngineVersion': 'string',
            'MasterUserPassword': 'string',
            'MultiAZ': True|False,
            'Port': 123
        },
        'PreferredBackupWindow': 'string',
        'PreferredMaintenanceWindow': 'string',
        'PubliclyAccessible': True|False,
        'ReadReplicaDBInstanceIdentifiers': [
            'string',
```

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```
        ],
        'ReadReplicaSourceDBInstanceIdentifier': 'string',
        'SecondaryAvailabilityZone': 'string',
        'StatusInfos': [
            {
                'Message': 'string',
                'Normal': True|False,
                'Status': 'string',
                'StatusType': 'string'
            },
        ],
        'VpcSecurityGroups': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBInstance** *(dict)* –
    - **AccountingType** *(string)* –
    - **AllocatedStorage** *(integer)* –
    - **AutoMinorVersionUpgrade** *(boolean)* –
    - **AvailabilityZone** *(string)* –
    - **BackupRetentionPeriod** *(integer)* –
    - **BinlogRetentionPeriod** *(integer)* –
    - **CACertificateIdentifier** *(string)* –
    - **DBInstanceClass** *(string)* –
    - **DBInstanceIdentifier** *(string)* –
    - **DBInstanceStatus** *(string)* –
    - **DBName** *(string)* –
    - **DBParameterGroups** *(list)* –
      - *(dict)* –
      - **DBParameterGroupName** *(string)* –
      - **ParameterApplyStatus** *(string)* –
    - **DBSecurityGroups** *(list)* –
      - *(dict)* –
      - **DBSecurityGroupName** *(string)* –
      - **Status** *(string)* –
    - **Endpoint** *(dict)* –
      - **Address** *(string)* –
      - **NiftyPrivateAddress** *(string)* –
      - **Port** *(integer)* –
    - **Engine** *(string)* –
    - **EngineVersion** *(string)* –
    - **ExternalReplicationInfo** *(dict)* –
      - **ExternalMasterAddress** *(string)* –
      - **ExternalReplicationMessage** *(string)* –
      - **ExternalReplicationStatus** *(string)* –
      - **ReplicationAddresses** *(list)* –
      - *(string)* –
      - **ReplicationPrivateAddresses** *(list)* –
      - *(string)* –

- **InstanceCreateTime** *(datetime)* –
- **LatestRestorableTime** *(datetime)* –
- **LicenseModel** *(string)* –
- **MasterUsername** *(string)* –
- **MultiAZ** *(boolean)* –
- **NextMonthAccountingType** *(string)* –
- **NiftyMasterPrivateAddress** *(string)* –
- **NiftyMultiAZType** *(string)* –
- **NiftyNetworkId** *(string)* –
- **NiftySlavePrivateAddress** *(string)* –
- **NiftyStorageType** *(integer)* –
- **OptionGroupMemberships** *(list)* –
  - *(dict)* –
  - **OptionGroupName** *(string)* –
  - **Status** *(string)* –
- **PendingModifiedValues** *(dict)* –
  - **AllocatedStorage** *(integer)* –
  - **BackupRetentionPeriod** *(integer)* –
  - **DBInstanceClass** *(string)* –
  - **DBInstanceIdentifier** *(string)* –
  - **EngineVersion** *(string)* –
  - **MasterUserPassword** *(string)* –
  - **MultiAZ** *(boolean)* –
  - **Port** *(integer)* –
- **PreferredBackupWindow** *(string)* –
- **PreferredMaintenanceWindow** *(string)* –
- **PubliclyAccessible** *(boolean)* –
- **ReadReplicaDBInstanceIdentifiers** *(list)* –
  - *(string)* –
- **ReadReplicaSourceDBInstanceIdentifier** *(string)* –
- **SecondaryAvailabilityZone** *(string)* –
- **StatusInfos** *(list)* –
  - *(dict)* –
  - **Message** *(string)* –
  - **Normal** *(boolean)* –
  - **Status** *(string)* –
  - **StatusType** *(string)* –
- **VpcSecurityGroups** *(string)* –

– **ResponseMetadata** *(dict)* –
- **RequestId** *(string)* –

rdb / Client / delete_db_parameter_group

delete_db_parameter_group

`rdb.Client.`**`delete_db_parameter_group`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_db_parameter_group(
    DBParameterGroupName='string'
)
```

Parameters **`DBParameterGroupName`** (*`string`*) – **[REQUIRED]**

Return type dict
Returns

Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure
- *(dict)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / delete_db_security_group

delete_db_security_group

`rdb.Client.`**`delete_db_security_group`**`(`***kwargs*`)`
See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_db_security_group(
    DBSecurityGroupName='string'
)
```

Parameters **`DBSecurityGroupName`** (*`string`*) – **[REQUIRED]**
Return type dict
Returns

Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure
- *(dict)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / delete_db_snapshot

delete_db_snapshot

`rdb.Client.`**`delete_db_snapshot`**`(`***kwargs*`)`
See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_db_snapshot(
    DBSnapshotIdentifier='string'
)
```

Parameters **DBSnapshotIdentifier** (*string*) – **[REQUIRED]**
Return type dict
Returns

Response Syntax

```
{
    'DBSnapshot': {
        'AllocatedStorage': 123,
        'AvailabilityZone': 'string',
        'DBInstanceIdentifier': 'string',
        'DBSnapshotIdentifier': 'string',
        'Engine': 'string',
        'EngineVersion': 'string',
        'InstanceCreateTime': datetime(2015, 1, 1),
        'LicenseModel': 'string',
        'MasterUsername': 'string',
        'OptionGroupName': 'string',
        'Port': 123,
        'SnapshotCreateTime': datetime(2015, 1, 1),
        'SnapshotType': 'string',
        'Status': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBSnapshot** *(dict)* –
    - **AllocatedStorage** *(integer)* –
    - **AvailabilityZone** *(string)* –
    - **DBInstanceIdentifier** *(string)* –
    - **DBSnapshotIdentifier** *(string)* –
    - **Engine** *(string)* –
    - **EngineVersion** *(string)* –
    - **InstanceCreateTime** *(datetime)* –
    - **LicenseModel** *(string)* –
    - **MasterUsername** *(string)* –
    - **OptionGroupName** *(string)* –
    - **Port** *(integer)* –
    - **SnapshotCreateTime** *(datetime)* –
    - **SnapshotType** *(string)* –
    - **Status** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / delete_event_subscription

delete_event_subscription

`rdb.Client.delete_event_subscription(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_event_subscription(
    SubscriptionName='string'
)
```

Parameters **SubscriptionName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'EventSubscription': {
        'CustSubscriptionId': 'string',
        'Enabled': True|False,
        'EventCategoriesList': [
            'string',
        ],
        'NiftyDescription': 'string',
        'NiftyEmailAddressesList': [
            'string',
        ],
        'SourceIdsList': [
            'string',
        ],
        'SourceType': 'string',
        'Status': 'string',
        'SubscriptionCreationTime': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **EventSubscription** *(dict)* –
    - **CustSubscriptionId** *(string)* –
    - **Enabled** *(boolean)* –
    - **EventCategoriesList** *(list)* –
      - *(string)* –
    - **NiftyDescription** *(string)* –
    - **NiftyEmailAddressesList** *(list)* –
      - *(string)* –
    - **SourceIdsList** *(list)* –
      - *(string)* –
    - **SourceType** *(string)* –
    - **Status** *(string)* –
    - **SubscriptionCreationTime** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / describe_certificates

describe_certificates

`rdb.Client.`**`describe_certificates`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_certificates(
    CertificateIdentifier='string',
    Filter='string',
    FilterName='string',
    FilterValue='string',
    Filters=[
        'string',
    ],
    Marker='string',
    MaxRecords=123
)
```

Parameters

- **CertificateIdentifier** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –
  - *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'Certificates': [
        {
            'CertificateIdentifier': 'string',
            'CertificateType': 'string',
            'Thumbprint': 'string',
            'ValidFrom': datetime(2015, 1, 1),
            'ValidTill': datetime(2015, 1, 1)
        },
    ],
    'Marker': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **Certificates** *(list)* –
    - *(dict)* –
      - **CertificateIdentifier** *(string)* –
      - **CertificateType** *(string)* –

- · **Thumbprint** *(string)* –
- · **ValidFrom** *(datetime)* –
- · **ValidTill** *(datetime)* –

– **Marker** *(string)* –

– **ResponseMetadata** *(dict)* –

∗ **RequestId** *(string)* –

rdb / Client / describe_db_engine_versions

describe_db_engine_versions

`rdb.Client.`**`describe_db_engine_versions`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_db_engine_versions(
    DBParameterGroupFamily='mysql5.6'|'mysql5.7'|'postgres9.3'|'postgres9.6'|
↪'postgres11'|'mariadb10.1',
    DefaultOnly=True|False,
    Engine='MySQL'|'postgres'|'MariaDB',
    EngineVersion='string',
    IncludeAll=True|False,
    ListSupportedCharacterSets=True|False,
    Marker='string',
    MaxRecords=123
)
```

Parameters

- **DBParameterGroupFamily** *(string)* –
- **DefaultOnly** *(boolean)* –
- **Engine** *(string)* –
- **EngineVersion** *(string)* –
- **IncludeAll** *(boolean)* –
- **ListSupportedCharacterSets** *(boolean)* –
- **Marker** *(string)* –
- **MaxRecords** *(integer)* –

Return type dict

Returns

Response Syntax

```
{
    'DBEngineVersions': [
        {
            'DBEngineDescription': 'string',
            'DBEngineVersionDescription': 'string',
            'DBParameterGroupFamily': 'string',
            'Engine': 'string',
            'EngineVersion': 'string',
            'Status': 'string',
            'ValidUpgradeTarget': [
                {
                    'AutoUpgrade': True|False,
                    'DBParameterGroupFamily': 'string',
                    'Description': 'string',
```

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```
                    'Engine': 'string',
                    'EngineVersion': 'string',
                    'IsMajorVersionUpgrade': True|False
                },
            ]
        },
    ],
    'Marker': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBEngineVersions** *(list)* –
    - *(dict)* –
      - **DBEngineDescription** *(string)* –
      - **DBEngineVersionDescription** *(string)* –
      - **DBParameterGroupFamily** *(string)* –
      - **Engine** *(string)* –
      - **EngineVersion** *(string)* –
      - **Status** *(string)* –
      - **ValidUpgradeTarget** *(list)* –
      - *(dict)* –
      - **AutoUpgrade** *(boolean)* –
      - **DBParameterGroupFamily** *(string)* –
      - **Description** *(string)* –
      - **Engine** *(string)* –
      - **EngineVersion** *(string)* –
      - **IsMajorVersionUpgrade** *(boolean)* –
  - **Marker** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / describe_db_instances

describe_db_instances

`rdb.Client.`**`describe_db_instances`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_db_instances(
    DBInstanceIdentifier='string',
    Filter='string',
    FilterName='string',
    FilterValue='string',
    Filters=[
        'string',
    ],
    Marker='string',
    MaxRecords=123
)
```

Parameters

- **DBInstanceIdentifier** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –
  - *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'DBInstances': [
        {
            'AccountingType': 'string',
            'AllocatedStorage': 123,
            'AutoMinorVersionUpgrade': True|False,
            'AvailabilityZone': 'string',
            'BackupRetentionPeriod': 123,
            'BinlogRetentionPeriod': 123,
            'CACertificateIdentifier': 'string',
            'DBInstanceClass': 'string',
            'DBInstanceIdentifier': 'string',
            'DBInstanceStatus': 'string',
            'DBName': 'string',
            'DBParameterGroups': [
                {
                    'DBParameterGroupName': 'string',
                    'ParameterApplyStatus': 'string'
                },
            ],
            'DBSecurityGroups': [
                {
                    'DBSecurityGroupName': 'string',
                    'Status': 'string'
                },
            ],
            'Endpoint': {
                'Address': 'string',
                'NiftyPrivateAddress': 'string',
                'Port': 123
            },
            'Engine': 'string',
            'EngineVersion': 'string',
            'ExternalReplicationInfo': {
                'ExternalMasterAddress': 'string',
                'ExternalReplicationMessage': 'string',
                'ExternalReplicationStatus': 'string',
                'ReplicationAddresses': [
                    'string',
                ],
                'ReplicationPrivateAddresses': [
                    'string',
                ]
```

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```
            },
            'InstanceCreateTime': datetime(2015, 1, 1),
            'LatestRestorableTime': datetime(2015, 1, 1),
            'LicenseModel': 'string',
            'MasterUsername': 'string',
            'MultiAZ': True|False,
            'NextMonthAccountingType': 'string',
            'NiftyMasterPrivateAddress': 'string',
            'NiftyMultiAZType': 'string',
            'NiftyNetworkId': 'string',
            'NiftySlavePrivateAddress': 'string',
            'NiftyStorageType': 123,
            'OptionGroupMemberships': [
                {
                    'OptionGroupName': 'string',
                    'Status': 'string'
                },
            ],
            'PendingModifiedValues': {
                'AllocatedStorage': 123,
                'BackupRetentionPeriod': 123,
                'DBInstanceClass': 'string',
                'DBInstanceIdentifier': 'string',
                'EngineVersion': 'string',
                'MasterUserPassword': 'string',
                'MultiAZ': True|False,
                'Port': 123
            },
            'PreferredBackupWindow': 'string',
            'PreferredMaintenanceWindow': 'string',
            'PubliclyAccessible': True|False,
            'ReadReplicaDBInstanceIdentifiers': [
                'string',
            ],
            'ReadReplicaSourceDBInstanceIdentifier': 'string',
            'SecondaryAvailabilityZone': 'string',
            'StatusInfos': [
                {
                    'Message': 'string',
                    'Normal': True|False,
                    'Status': 'string',
                    'StatusType': 'string'
                },
            ],
            'VpcSecurityGroups': 'string'
        },
    ],
    'Marker': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBInstances** *(list)* –
    - *(dict)* –

- **AccountingType** *(string)* –
- **AllocatedStorage** *(integer)* –
- **AutoMinorVersionUpgrade** *(boolean)* –
- **AvailabilityZone** *(string)* –
- **BackupRetentionPeriod** *(integer)* –
- **BinlogRetentionPeriod** *(integer)* –
- **CACertificateIdentifier** *(string)* –
- **DBInstanceClass** *(string)* –
- **DBInstanceIdentifier** *(string)* –
- **DBInstanceStatus** *(string)* –
- **DBName** *(string)* –
- **DBParameterGroups** *(list)* –
- *(dict)* –
- **DBParameterGroupName** *(string)* –
- **ParameterApplyStatus** *(string)* –
- **DBSecurityGroups** *(list)* –
- *(dict)* –
- **DBSecurityGroupName** *(string)* –
- **Status** *(string)* –
- **Endpoint** *(dict)* –
- **Address** *(string)* –
- **NiftyPrivateAddress** *(string)* –
- **Port** *(integer)* –
- **Engine** *(string)* –
- **EngineVersion** *(string)* –
- **ExternalReplicationInfo** *(dict)* –
- **ExternalMasterAddress** *(string)* –
- **ExternalReplicationMessage** *(string)* –
- **ExternalReplicationStatus** *(string)* –
- **ReplicationAddresses** *(list)* –
- *(string)* –
- **ReplicationPrivateAddresses** *(list)* –
- *(string)* –
- **InstanceCreateTime** *(datetime)* –
- **LatestRestorableTime** *(datetime)* –
- **LicenseModel** *(string)* –
- **MasterUsername** *(string)* –
- **MultiAZ** *(boolean)* –
- **NextMonthAccountingType** *(string)* –
- **NiftyMasterPrivateAddress** *(string)* –
- **NiftyMultiAZType** *(string)* –
- **NiftyNetworkId** *(string)* –
- **NiftySlavePrivateAddress** *(string)* –
- **NiftyStorageType** *(integer)* –
- **OptionGroupMemberships** *(list)* –
- *(dict)* –
- **OptionGroupName** *(string)* –
- **Status** *(string)* –
- **PendingModifiedValues** *(dict)* –
- **AllocatedStorage** *(integer)* –
- **BackupRetentionPeriod** *(integer)* –
- **DBInstanceClass** *(string)* –
- **DBInstanceIdentifier** *(string)* –
- **EngineVersion** *(string)* –

- **MasterUserPassword** *(string)* –
- **MultiAZ** *(boolean)* –
- **Port** *(integer)* –
- **PreferredBackupWindow** *(string)* –
- **PreferredMaintenanceWindow** *(string)* –
- **PubliclyAccessible** *(boolean)* –
- **ReadReplicaDBInstanceIdentifiers** *(list)* –
- *(string)* –
- **ReadReplicaSourceDBInstanceIdentifier** *(string)* –
- **SecondaryAvailabilityZone** *(string)* –
- **StatusInfos** *(list)* –
- *(dict)* –
- **Message** *(string)* –
- **Normal** *(boolean)* –
- **Status** *(string)* –
- **StatusType** *(string)* –
- **VpcSecurityGroups** *(string)* –

– **Marker** *(string)* –
– **ResponseMetadata** *(dict)* –
* **RequestId** *(string)* –

rdb / Client / describe_db_log_files

describe_db_log_files

`rdb.Client.`**`describe_db_log_files`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_db_log_files(
    DBInstanceIdentifier='string',
    FileLastWritten=123,
    FileSize=123,
    FilenameContains='string',
    Marker='string',
    MaxRecords=123
)
```

Parameters

- **DBInstanceIdentifier** (*string*) – **[REQUIRED]**
- **FileLastWritten** (*integer*) –
- **FileSize** (*integer*) –
- **FilenameContains** (*string*) –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'DescribeDBLogFiles': [
        {
            'LastWritten': 123,
```

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```
            'LogFileName': 'string',
            'Size': 123
        },
    ],
    'Marker': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DescribeDBLogFiles** *(list)* –
    - *(dict)* –
      - **LastWritten** *(integer)* –
      - **LogFileName** *(string)* –
      - **Size** *(integer)* –
  - **Marker** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / describe_db_parameter_groups

describe_db_parameter_groups

`rdb.Client.`**`describe_db_parameter_groups`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_db_parameter_groups(
    DBParameterGroupName='string',
    Filter='string',
    FilterName='string',
    FilterValue='string',
    Filters=[
        'string',
    ],
    Marker='string',
    MaxRecords=123
)
```

Parameters

- **DBParameterGroupName** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –
  - *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'DBParameterGroups': [
        {
            'DBParameterGroupFamily': 'string',
            'DBParameterGroupName': 'string',
            'Description': 'string'
        },
    ],
    'Marker': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBParameterGroups** *(list)* –
    - *(dict)* –
      - **DBParameterGroupFamily** *(string)* –
      - **DBParameterGroupName** *(string)* –
      - **Description** *(string)* –
  - **Marker** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / describe_db_parameters

describe_db_parameters

`rdb.Client.`**`describe_db_parameters`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_db_parameters(
    DBParameterGroupName='string',
    Marker='string',
    MaxRecords=123,
    Source='user'|'system'|'engine-default'
)
```

Parameters

- **DBParameterGroupName** (*string*) – **[REQUIRED]**
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **Source** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'Marker': 'string',
    'Parameters': [
        {
            'AllowedValues': 'string',
```

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```
            'ApplyMethod': 'string',
            'ApplyType': 'string',
            'DataType': 'string',
            'Description': 'string',
            'IsModifiable': True|False,
            'MinimumEngineVersion': 'string',
            'ParameterName': 'string',
            'ParameterValue': 'string',
            'Source': 'string'
        },
    ],
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **Marker** *(string)* –
  - **Parameters** *(list)* –
    - *(dict)* –
      - **AllowedValues** *(string)* –
      - **ApplyMethod** *(string)* –
      - **ApplyType** *(string)* –
      - **DataType** *(string)* –
      - **Description** *(string)* –
      - **IsModifiable** *(boolean)* –
      - **MinimumEngineVersion** *(string)* –
      - **ParameterName** *(string)* –
      - **ParameterValue** *(string)* –
      - **Source** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / describe_db_security_groups

describe_db_security_groups

`rdb.Client.`**`describe_db_security_groups`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_db_security_groups(
    DBSecurityGroupName='string',
    Filter='string',
    FilterName='string',
    FilterValue='string',
    Filters=[
        'string',
    ],
    Marker='string',
    MaxRecords=123
)
```

Parameters

- **DBSecurityGroupName** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –
  - *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'DBSecurityGroups': [
        {
            'DBSecurityGroupDescription': 'string',
            'DBSecurityGroupName': 'string',
            'EC2SecurityGroups': [
                {
                    'EC2SecurityGroupName': 'string',
                    'EC2SecurityGroupOwnerId': 'string',
                    'Status': 'string'
                },
            ],
            'IPRanges': [
                {
                    'CIDRIP': 'string',
                    'Status': 'string'
                },
            ],
            'NiftyAvailabilityZone': 'string',
            'OwnerId': 'string'
        },
    ],
    'Marker': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBSecurityGroups** *(list)* –
    - *(dict)* –
      - **DBSecurityGroupDescription** *(string)* –
      - **DBSecurityGroupName** *(string)* –
      - **EC2SecurityGroups** *(list)* –
      - *(dict)* –
      - **EC2SecurityGroupName** *(string)* –
      - **EC2SecurityGroupOwnerId** *(string)* –
      - **Status** *(string)* –
      - **IPRanges** *(list)* –
      - *(dict)* –
      - **CIDRIP** *(string)* –
      - **Status** *(string)* –

- NiftyAvailabilityZone *(string)* –
- OwnerId *(string)* –

– **Marker** *(string)* –
– **ResponseMetadata** *(dict)* –
  * **RequestId** *(string)* –

rdb / Client / describe_db_snapshots

describe_db_snapshots

`rdb.Client.describe_db_snapshots(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_db_snapshots(
    DBInstanceIdentifier='string',
    DBSnapshotIdentifier='string',
    Filter='string',
    FilterName='string',
    FilterValue='string',
    Filters=[
        'string',
    ],
    Marker='string',
    MaxRecords=123,
    SnapshotType='automated'|'manual'
)
```

Parameters

- **DBInstanceIdentifier** *(string)* –
- **DBSnapshotIdentifier** *(string)* –
- **Filter** *(string)* –
- **FilterName** *(string)* –
- **FilterValue** *(string)* –
- **Filters** *(list)* –
  – *(string)* –
- **Marker** *(string)* –
- **MaxRecords** *(integer)* –
- **SnapshotType** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'DBSnapshots': [
        {
            'AllocatedStorage': 123,
            'AvailabilityZone': 'string',
            'DBInstanceIdentifier': 'string',
            'DBSnapshotIdentifier': 'string',
            'Engine': 'string',
            'EngineVersion': 'string',
            'InstanceCreateTime': datetime(2015, 1, 1),
            'LicenseModel': 'string',
```

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```
            'MasterUsername': 'string',
            'OptionGroupName': 'string',
            'Port': 123,
            'SnapshotCreateTime': datetime(2015, 1, 1),
            'SnapshotType': 'string',
            'Status': 'string'
        },
    ],
    'Marker': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBSnapshots** *(list)* –
    - *(dict)* –
      - **AllocatedStorage** *(integer)* –
      - **AvailabilityZone** *(string)* –
      - **DBInstanceIdentifier** *(string)* –
      - **DBSnapshotIdentifier** *(string)* –
      - **Engine** *(string)* –
      - **EngineVersion** *(string)* –
      - **InstanceCreateTime** *(datetime)* –
      - **LicenseModel** *(string)* –
      - **MasterUsername** *(string)* –
      - **OptionGroupName** *(string)* –
      - **Port** *(integer)* –
      - **SnapshotCreateTime** *(datetime)* –
      - **SnapshotType** *(string)* –
      - **Status** *(string)* –
  - **Marker** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / describe_engine_default_parameters

describe_engine_default_parameters

`rdb.Client.`**`describe_engine_default_parameters`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_engine_default_parameters(
    DBParameterGroupFamily='string',
    Marker='string',
    MaxRecords=123
)
```

Parameters

- **DBParameterGroupFamily** (*string*) – **[REQUIRED]**
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –

Return type dict
Returns

Response Syntax

```
{
    'EngineDefaults': {
        'DBParameterGroupFamily': 'string',
        'Marker': 'string',
        'Parameters': [
            {
                'AllowedValues': 'string',
                'ApplyMethod': 'string',
                'ApplyType': 'string',
                'DataType': 'string',
                'Description': 'string',
                'IsModifiable': True|False,
                'MinimumEngineVersion': 'string',
                'ParameterName': 'string',
                'ParameterValue': 'string',
                'Source': 'string'
            },
        ]
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **EngineDefaults** *(dict)* –
    - **DBParameterGroupFamily** *(string)* –
    - **Marker** *(string)* –
    - **Parameters** *(list)* –
      - *(dict)* –
      - **AllowedValues** *(string)* –
      - **ApplyMethod** *(string)* –
      - **ApplyType** *(string)* –
      - **DataType** *(string)* –
      - **Description** *(string)* –
      - **IsModifiable** *(boolean)* –
      - **MinimumEngineVersion** *(string)* –
      - **ParameterName** *(string)* –
      - **ParameterValue** *(string)* –
      - **Source** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / describe_event_categories

describe_event_categories

`rdb.Client.`**`describe_event_categories`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_event_categories(
    SourceType='db-instance'|'db-parameter-group'|'db-security-group'|'db-snapshot
↪'
)
```

Parameters **SourceType** (*string*) –
Return type dict
Returns

Response Syntax

```
{
    'EventCategoriesMapList': [
        {
            'EventCategories': [
                'string',
            ],
            'SourceType': 'string'
        },
    ],
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **EventCategoriesMapList** *(list)* –
    - *(dict)* –
      - **EventCategories** *(list)* –
      - *(string)* –
      - **SourceType** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / describe_event_subscriptions

describe_event_subscriptions

rdb.Client.**describe_event_subscriptions**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_event_subscriptions(
    Marker='string',
    MaxRecords=123,
    NIftySortKey='SubscriptionName'|'SourceType'|'Enabled'|
↪'SubscriptionCreationTime',
    NiftyFilters={
        'ListOfRequestFilter': [
            {
                'FilterName': 'SubscriptionName'|'SourceType'|'Enabled'|
↪'NiftyDescription',
                'FilterValue': 'string'
            },
```

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```
        ]
    },
    NiftySortDesc=123,
    SubscriptionName='string'
)
```

Parameters

- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **NIftySortKey** (*string*) –
- **NiftyFilters** (*dict*) –
  - **ListOfRequestFilter** *(list)* –
    - *(dict)* –
      - **FilterName** *(string)* –
      - **FilterValue** *(string)* –
- **NiftySortDesc** (*integer*) –
- **SubscriptionName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'EventSubscriptionsList': [
        {
            'CustSubscriptionId': 'string',
            'Enabled': True|False,
            'EventCategoriesList': [
                'string',
            ],
            'NiftyDescription': 'string',
            'NiftyEmailAddressesList': [
                'string',
            ],
            'SourceIdsList': [
                'string',
            ],
            'SourceType': 'string',
            'Status': 'string',
            'SubscriptionCreationTime': 'string'
        },
    ],
    'Marker': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **EventSubscriptionsList** *(list)* –
    - *(dict)* –
      - **CustSubscriptionId** *(string)* –
      - **Enabled** *(boolean)* –
      - **EventCategoriesList** *(list)* –
      - *(string)* –

- **NiftyDescription** *(string)* –
- **NiftyEmailAddressesList** *(list)* –
- *(string)* –
- **SourceIdsList** *(list)* –
- *(string)* –
- **SourceType** *(string)* –
- **Status** *(string)* –
- **SubscriptionCreationTime** *(string)* –

– **Marker** *(string)* –
– **ResponseMetadata** *(dict)* –
* **RequestId** *(string)* –

rdb / Client / describe_events

describe_events

`rdb.Client.describe_events(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_events(
    Duration=123,
    EndTime=datetime(2015, 1, 1),
    EventCategories=[
        'string',
    ],
    Marker='string',
    MaxRecords=123,
    SourceIdentifier='string',
    SourceType='db-instance'|'db-parameter-group'|'db-security-group'|'db-snapshot
↪',
    StartTime=datetime(2015, 1, 1)
)
```

Parameters

- **Duration** *(integer)* –
- **EndTime** *(datetime)* –
- **EventCategories** *(list)* –
  – *(string)* –
- **Marker** *(string)* –
- **MaxRecords** *(integer)* –
- **SourceIdentifier** *(string)* –
- **SourceType** *(string)* –
- **StartTime** *(datetime)* –

Return type dict

Returns

Response Syntax

```
{
    'Events': [
        {
            'Date': datetime(2015, 1, 1),
            'EventCategories': [
                'string',
```

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```
            ],
            'Message': 'string',
            'SourceIdentifier': 'string',
            'SourceType': 'string'
        },
    ],
    'Marker': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **Events** *(list)* –
    - *(dict)* –
      - **Date** *(datetime)* –
      - **EventCategories** *(list)* –
      - *(string)* –
      - **Message** *(string)* –
      - **SourceIdentifier** *(string)* –
      - **SourceType** *(string)* –
  - **Marker** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / describe_orderable_db_instance_options

describe_orderable_db_instance_options

`rdb.Client.`**`describe_orderable_db_instance_options`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_orderable_db_instance_options(
    DBInstanceClass='db.mini'|'db.e-small'|'db.small'|'db.e-small2'|'db.small2'|
↪'db.e-small4'|'db.small4'|'db.e-small8'|'db.small8'|'db.e-small16'|'db.small16'|
↪'db.e-medium'|'db.medium'|'db.e-medium4'|'db.medium4'|'db.e-medium8'|'db.medium8
↪'|'db.e-medium16'|'db.medium16'|'db.e-medium24'|'db.medium24'|'db.e-large'|'db.
↪large'|'db.e-large8'|'db.large8'|'db.e-large16'|'db.large16'|'db.e-large24'|'db.
↪large24'|'db.e-large32'|'db.large32'|'db.e-extra-large8'|'db.extra-large8'|'db.
↪e-extra-large16'|'db.extra-large16'|'db.e-extra-large24'|'db.extra-large24'|'db.
↪e-extra-large32'|'db.extra-large32'|'db.e-extra-large48'|'db.extra-large48'|'db.
↪e-double-large16'|'db.double-large16'|'db.e-double-large24'|'db.double-large24'|
↪'db.e-double-large32'|'db.double-large32'|'db.e-double-large48'|'db.double-
↪large48'|'db.e-double-large64'|'db.double-large64'|'db.e-double-large96'|'db.
↪double-large96'|'db.triple-large32'|'db.triple-large48'|'db.triple-large64'|'db.
↪triple-large96'|'db.triple-large128'|'db.quad-large64'|'db.quad-large96'|'db.
↪quad-large128'|'db.septa-large128',
    Engine='MySQL'|'postgres'|'MariaDB',
    EngineVersion='string',
    LicenseModel='string',
    Marker='string',
    MaxRecords=123,
```

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```
    Vpc=True|False
)
```

Parameters

- **DBInstanceClass** (*string*) –
- **Engine** (*string*) –
- **EngineVersion** (*string*) –
- **LicenseModel** (*string*) –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **Vpc** (*boolean*) –

Return type dict

Returns

Response Syntax

```
{
    'Marker': 'string',
    'OrderableDBInstanceOptions': [
        {
            'AvailabilityZones': [
                {
                    'Name': 'string',
                    'NiftyStorageTypes': [
                        123,
                    ],
                    'ProvisionedIopsCapable': True|False
                },
            ],
            'DBInstanceClass': 'string',
            'Engine': 'string',
            'EngineVersion': 'string',
            'LicenseModel': 'string',
            'MultiAZCapable': True|False,
            'ReadReplicaCapable': True|False,
            'Vpc': True|False
        },
    ],
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **Marker** *(string)* –
  - **OrderableDBInstanceOptions** *(list)* –
    - *(dict)* –
      - **AvailabilityZones** *(list)* –
      - *(dict)* –
      - **Name** *(string)* –
      - **NiftyStorageTypes** *(list)* –
      - *(integer)* –
      - **ProvisionedIopsCapable** *(boolean)* –
      - **DBInstanceClass** *(string)* –
      - **Engine** *(string)* –

- **EngineVersion** *(string)* –
- **LicenseModel** *(string)* –
- **MultiAZCapable** *(boolean)* –
- **ReadReplicaCapable** *(boolean)* –
- **Vpc** *(boolean)* –

– **ResponseMetadata** *(dict)* –

* **RequestId** *(string)* –

rdb / Client / download_db_log_file_portion

download_db_log_file_portion

`rdb.Client.`**`download_db_log_file_portion`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.download_db_log_file_portion(
    DBInstanceIdentifier='string',
    LogFileName='string',
    Marker='string',
    NumberOfLines=123
)
```

Parameters

- **DBInstanceIdentifier** (*string*) – **[REQUIRED]**
- **LogFileName** (*string*) –
- **Marker** (*string*) –
- **NumberOfLines** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'AdditionalDataPending': True|False,
    'LogFileData': 'string',
    'Marker': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **AdditionalDataPending** *(boolean)* –
  - **LogFileData** *(string)* –
  - **Marker** *(string)* –
  - **ResponseMetadata** *(dict)* –
    * **RequestId** *(string)* –

rdb / Client / get_paginator

get_paginator

`rdb.Client.`**`get_paginator`**(*operation_name*)

Create a paginator for an operation.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Raises **OperationNotPageableError** – Raised if the operation is not pageable. You can use the `client.can_paginate` method to check if an operation is pageable.

Return type L{botocore.paginate.Paginator}

Returns A paginator object.

rdb / Client / get_waiter

get_waiter

`rdb.Client.`**`get_waiter`**(*waiter_name*)

Returns an object that can wait for some condition.

Parameters **waiter_name** (*str*) – The name of the waiter to get. See the waiters section of the service docs for a list of available waiters.

Returns The specified waiter object.

Return type botocore.waiter.Waiter

rdb / Client / modify_db_instance

modify_db_instance

`rdb.Client.`**`modify_db_instance`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.modify_db_instance(
    AccountingType='1'|'2',
    AllocatedStorage=123,
    AllowMajorVersionUpgrade=True|False,
    ApplyImmediately=True|False,
    AutoMinorVersionUpgrade=True|False,
    BackupRetentionPeriod=123,
    BinlogRetentionPeriod=123,
    CACertificateIdentifier='string',
    CustomBinlogRetentionPeriod=True|False,
    DBInstanceClass='db.mini'|'db.e-small'|'db.small'|'db.e-small2'|'db.small2'|
↪'db.e-small4'|'db.small4'|'db.e-small8'|'db.small8'|'db.e-small16'|'db.small16'|
↪'db.e-medium'|'db.medium'|'db.e-medium4'|'db.medium4'|'db.e-medium8'|'db.medium8
↪'|'db.e-medium16'|'db.medium16'|'db.e-medium24'|'db.medium24'|'db.e-large'|'db.
↪large'|'db.e-large8'|'db.large8'|'db.e-large16'|'db.large16'|'db.e-large24'|'db.
↪large24'|'db.e-large32'|'db.large32'|'db.e-extra-large8'|'db.extra-large8'|'db.
↪e-extra-large16'|'db.extra-large16'|'db.e-extra-large24'|'db.extra-large24'|'db.
↪e-extra-large32'|'db.extra-large32'|'db.e-extra-large48'|'db.extra-large48'|'db.
↪e-double-large16'|'db.double-large16'|'db.e-double-large24'|'db.double-large24'|
↪'db.e-double-large32'|'db.double-large32'|'db.e-double-large48'|'db.double-
↪large48'|'db.e-double-large64'|'db.double-large64'|'db.e-double-large96'|'db.
↪double-large96'|'db.triple-large32'|'db.triple-large48'|'db.triple-large64'|'db.
↪triple-large96'|'db.triple-large128'|'db.quad-large64'|'db.quad-large96'|'db.
↪quad-large128'|'db.septa-large128',
```

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```
    DBInstanceIdentifier='string',
    DBParameterGroupName='string',
    DBSecurityGroups=[
        'string',
    ],
    EngineVersion='string',
    Iops=123,
    MasterUserPassword='string',
    MultiAZ=True|False,
    NewDBInstanceIdentifier='string',
    NiftyMultiAZType=123,
    NiftySlavePrivateAddress='string',
    OptionGroupName='string',
    PreferredBackupWindow='string',
    PreferredMaintenanceWindow='string',
    VpcSecurityGroupIds=[
        'string',
    ]
)
```

Parameters

- **AccountingType** (*string*) –
- **AllocatedStorage** (*integer*) –
- **AllowMajorVersionUpgrade** (*boolean*) –
- **ApplyImmediately** (*boolean*) –
- **AutoMinorVersionUpgrade** (*boolean*) –
- **BackupRetentionPeriod** (*integer*) –
- **BinlogRetentionPeriod** (*integer*) –
- **CACertificateIdentifier** (*string*) –
- **CustomBinlogRetentionPeriod** (*boolean*) –
- **DBInstanceClass** (*string*) –
- **DBInstanceIdentifier** (*string*) – **[REQUIRED]**
- **DBParameterGroupName** (*string*) –
- **DBSecurityGroups** (*list*) –
  - *(string)* –
- **EngineVersion** (*string*) –
- **Iops** (*integer*) –
- **MasterUserPassword** (*string*) –
- **MultiAZ** (*boolean*) –
- **NewDBInstanceIdentifier** (*string*) –
- **NiftyMultiAZType** (*integer*) –
- **NiftySlavePrivateAddress** (*string*) –
- **OptionGroupName** (*string*) –
- **PreferredBackupWindow** (*string*) –
- **PreferredMaintenanceWindow** (*string*) –
- **VpcSecurityGroupIds** (*list*) –
  - *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'DBInstance': {
```

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```
        'AccountingType': 'string',
        'AllocatedStorage': 123,
        'AutoMinorVersionUpgrade': True|False,
        'AvailabilityZone': 'string',
        'BackupRetentionPeriod': 123,
        'BinlogRetentionPeriod': 123,
        'CACertificateIdentifier': 'string',
        'DBInstanceClass': 'string',
        'DBInstanceIdentifier': 'string',
        'DBInstanceStatus': 'string',
        'DBName': 'string',
        'DBParameterGroups': [
            {
                'DBParameterGroupName': 'string',
                'ParameterApplyStatus': 'string'
            },
        ],
        'DBSecurityGroups': [
            {
                'DBSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'Endpoint': {
            'Address': 'string',
            'NiftyPrivateAddress': 'string',
            'Port': 123
        },
        'Engine': 'string',
        'EngineVersion': 'string',
        'ExternalReplicationInfo': {
            'ExternalMasterAddress': 'string',
            'ExternalReplicationMessage': 'string',
            'ExternalReplicationStatus': 'string',
            'ReplicationAddresses': [
                'string',
            ],
            'ReplicationPrivateAddresses': [
                'string',
            ]
        },
        'InstanceCreateTime': datetime(2015, 1, 1),
        'LatestRestorableTime': datetime(2015, 1, 1),
        'LicenseModel': 'string',
        'MasterUsername': 'string',
        'MultiAZ': True|False,
        'NextMonthAccountingType': 'string',
        'NiftyMasterPrivateAddress': 'string',
        'NiftyMultiAZType': 'string',
        'NiftyNetworkId': 'string',
        'NiftySlavePrivateAddress': 'string',
        'NiftyStorageType': 123,
        'OptionGroupMemberships': [
            {
                'OptionGroupName': 'string',
                'Status': 'string'
            },
```

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```
        ],
        'PendingModifiedValues': {
            'AllocatedStorage': 123,
            'BackupRetentionPeriod': 123,
            'DBInstanceClass': 'string',
            'DBInstanceIdentifier': 'string',
            'EngineVersion': 'string',
            'MasterUserPassword': 'string',
            'MultiAZ': True|False,
            'Port': 123
        },
        'PreferredBackupWindow': 'string',
        'PreferredMaintenanceWindow': 'string',
        'PubliclyAccessible': True|False,
        'ReadReplicaDBInstanceIdentifiers': [
            'string',
        ],
        'ReadReplicaSourceDBInstanceIdentifier': 'string',
        'SecondaryAvailabilityZone': 'string',
        'StatusInfos': [
            {
                'Message': 'string',
                'Normal': True|False,
                'Status': 'string',
                'StatusType': 'string'
            },
        ],
        'VpcSecurityGroups': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBInstance** *(dict)* –
    - **AccountingType** *(string)* –
    - **AllocatedStorage** *(integer)* –
    - **AutoMinorVersionUpgrade** *(boolean)* –
    - **AvailabilityZone** *(string)* –
    - **BackupRetentionPeriod** *(integer)* –
    - **BinlogRetentionPeriod** *(integer)* –
    - **CACertificateIdentifier** *(string)* –
    - **DBInstanceClass** *(string)* –
    - **DBInstanceIdentifier** *(string)* –
    - **DBInstanceStatus** *(string)* –
    - **DBName** *(string)* –
    - **DBParameterGroups** *(list)* –
      - *(dict)* –
      - **DBParameterGroupName** *(string)* –
      - **ParameterApplyStatus** *(string)* –
    - **DBSecurityGroups** *(list)* –
      - *(dict)* –
      - **DBSecurityGroupName** *(string)* –

        - **Status** *(string)* –
    - **Endpoint** *(dict)* –
        - **Address** *(string)* –
        - **NiftyPrivateAddress** *(string)* –
        - **Port** *(integer)* –
    - **Engine** *(string)* –
    - **EngineVersion** *(string)* –
    - **ExternalReplicationInfo** *(dict)* –
        - **ExternalMasterAddress** *(string)* –
        - **ExternalReplicationMessage** *(string)* –
        - **ExternalReplicationStatus** *(string)* –
        - **ReplicationAddresses** *(list)* –
        - *(string)* –
        - **ReplicationPrivateAddresses** *(list)* –
        - *(string)* –
    - **InstanceCreateTime** *(datetime)* –
    - **LatestRestorableTime** *(datetime)* –
    - **LicenseModel** *(string)* –
    - **MasterUsername** *(string)* –
    - **MultiAZ** *(boolean)* –
    - **NextMonthAccountingType** *(string)* –
    - **NiftyMasterPrivateAddress** *(string)* –
    - **NiftyMultiAZType** *(string)* –
    - **NiftyNetworkId** *(string)* –
    - **NiftySlavePrivateAddress** *(string)* –
    - **NiftyStorageType** *(integer)* –
    - **OptionGroupMemberships** *(list)* –
        - *(dict)* –
        - **OptionGroupName** *(string)* –
        - **Status** *(string)* –
    - **PendingModifiedValues** *(dict)* –
        - **AllocatedStorage** *(integer)* –
        - **BackupRetentionPeriod** *(integer)* –
        - **DBInstanceClass** *(string)* –
        - **DBInstanceIdentifier** *(string)* –
        - **EngineVersion** *(string)* –
        - **MasterUserPassword** *(string)* –
        - **MultiAZ** *(boolean)* –
        - **Port** *(integer)* –
    - **PreferredBackupWindow** *(string)* –
    - **PreferredMaintenanceWindow** *(string)* –
    - **PubliclyAccessible** *(boolean)* –
    - **ReadReplicaDBInstanceIdentifiers** *(list)* –
        - *(string)* –
    - **ReadReplicaSourceDBInstanceIdentifier** *(string)* –
    - **SecondaryAvailabilityZone** *(string)* –
    - **StatusInfos** *(list)* –
        - *(dict)* –
        - **Message** *(string)* –
        - **Normal** *(boolean)* –
        - **Status** *(string)* –
        - **StatusType** *(string)* –
    - **VpcSecurityGroups** *(string)* –
- **ResponseMetadata** *(dict)* –

* **RequestId** *(string)* –

rdb / Client / modify_db_instance_network

modify_db_instance_network

`rdb.Client.`**`modify_db_instance_network`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.modify_db_instance_network(
    DBInstanceIdentifier='string',
    NiftyMasterPrivateAddress='string',
    NiftyNetworkId='string',
    NiftySlavePrivateAddress='string',
    NiftyVirtualPrivateAddress='string'
)
```

Parameters

- **DBInstanceIdentifier** *(string)* – **[REQUIRED]**
- **NiftyMasterPrivateAddress** *(string)* –
- **NiftyNetworkId** *(string)* –
- **NiftySlavePrivateAddress** *(string)* –
- **NiftyVirtualPrivateAddress** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'DBInstance': {
        'AccountingType': 'string',
        'AllocatedStorage': 123,
        'AutoMinorVersionUpgrade': True|False,
        'AvailabilityZone': 'string',
        'BackupRetentionPeriod': 123,
        'BinlogRetentionPeriod': 123,
        'CACertificateIdentifier': 'string',
        'DBInstanceClass': 'string',
        'DBInstanceIdentifier': 'string',
        'DBInstanceStatus': 'string',
        'DBName': 'string',
        'DBParameterGroups': [
            {
                'DBParameterGroupName': 'string',
                'ParameterApplyStatus': 'string'
            },
        ],
        'DBSecurityGroups': [
            {
                'DBSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'Endpoint': {
            'Address': 'string',
```

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```
            'NiftyPrivateAddress': 'string',
            'Port': 123
        },
        'Engine': 'string',
        'EngineVersion': 'string',
        'ExternalReplicationInfo': {
            'ExternalMasterAddress': 'string',
            'ExternalReplicationMessage': 'string',
            'ExternalReplicationStatus': 'string',
            'ReplicationAddresses': [
                'string',
            ],
            'ReplicationPrivateAddresses': [
                'string',
            ]
        },
        'InstanceCreateTime': datetime(2015, 1, 1),
        'LatestRestorableTime': datetime(2015, 1, 1),
        'LicenseModel': 'string',
        'MasterUsername': 'string',
        'MultiAZ': True|False,
        'NextMonthAccountingType': 'string',
        'NiftyMasterPrivateAddress': 'string',
        'NiftyMultiAZType': 'string',
        'NiftyNetworkId': 'string',
        'NiftySlavePrivateAddress': 'string',
        'NiftyStorageType': 123,
        'OptionGroupMemberships': [
            {
                'OptionGroupName': 'string',
                'Status': 'string'
            },
        ],
        'PendingModifiedValues': {
            'AllocatedStorage': 123,
            'BackupRetentionPeriod': 123,
            'DBInstanceClass': 'string',
            'DBInstanceIdentifier': 'string',
            'EngineVersion': 'string',
            'MasterUserPassword': 'string',
            'MultiAZ': True|False,
            'Port': 123
        },
        'PreferredBackupWindow': 'string',
        'PreferredMaintenanceWindow': 'string',
        'PubliclyAccessible': True|False,
        'ReadReplicaDBInstanceIdentifiers': [
            'string',
        ],
        'ReadReplicaSourceDBInstanceIdentifier': 'string',
        'SecondaryAvailabilityZone': 'string',
        'StatusInfos': [
            {
                'Message': 'string',
                'Normal': True|False,
                'Status': 'string',
                'StatusType': 'string'
```

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```
            },
        ],
        'VpcSecurityGroups': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBInstance** *(dict)* –
    - **AccountingType** *(string)* –
    - **AllocatedStorage** *(integer)* –
    - **AutoMinorVersionUpgrade** *(boolean)* –
    - **AvailabilityZone** *(string)* –
    - **BackupRetentionPeriod** *(integer)* –
    - **BinlogRetentionPeriod** *(integer)* –
    - **CACertificateIdentifier** *(string)* –
    - **DBInstanceClass** *(string)* –
    - **DBInstanceIdentifier** *(string)* –
    - **DBInstanceStatus** *(string)* –
    - **DBName** *(string)* –
    - **DBParameterGroups** *(list)* –
      - *(dict)* –
      - **DBParameterGroupName** *(string)* –
      - **ParameterApplyStatus** *(string)* –
    - **DBSecurityGroups** *(list)* –
      - *(dict)* –
      - **DBSecurityGroupName** *(string)* –
      - **Status** *(string)* –
    - **Endpoint** *(dict)* –
      - **Address** *(string)* –
      - **NiftyPrivateAddress** *(string)* –
      - **Port** *(integer)* –
    - **Engine** *(string)* –
    - **EngineVersion** *(string)* –
    - **ExternalReplicationInfo** *(dict)* –
      - **ExternalMasterAddress** *(string)* –
      - **ExternalReplicationMessage** *(string)* –
      - **ExternalReplicationStatus** *(string)* –
      - **ReplicationAddresses** *(list)* –
      - *(string)* –
      - **ReplicationPrivateAddresses** *(list)* –
      - *(string)* –
    - **InstanceCreateTime** *(datetime)* –
    - **LatestRestorableTime** *(datetime)* –
    - **LicenseModel** *(string)* –
    - **MasterUsername** *(string)* –
    - **MultiAZ** *(boolean)* –
    - **NextMonthAccountingType** *(string)* –
    - **NiftyMasterPrivateAddress** *(string)* –
    - **NiftyMultiAZType** *(string)* –

- **NiftyNetworkId** *(string)* –
- **NiftySlavePrivateAddress** *(string)* –
- **NiftyStorageType** *(integer)* –
- **OptionGroupMemberships** *(list)* –
  - *(dict)* –
  - **OptionGroupName** *(string)* –
  - **Status** *(string)* –
- **PendingModifiedValues** *(dict)* –
  - **AllocatedStorage** *(integer)* –
  - **BackupRetentionPeriod** *(integer)* –
  - **DBInstanceClass** *(string)* –
  - **DBInstanceIdentifier** *(string)* –
  - **EngineVersion** *(string)* –
  - **MasterUserPassword** *(string)* –
  - **MultiAZ** *(boolean)* –
  - **Port** *(integer)* –
- **PreferredBackupWindow** *(string)* –
- **PreferredMaintenanceWindow** *(string)* –
- **PubliclyAccessible** *(boolean)* –
- **ReadReplicaDBInstanceIdentifiers** *(list)* –
  - *(string)* –
- **ReadReplicaSourceDBInstanceIdentifier** *(string)* –
- **SecondaryAvailabilityZone** *(string)* –
- **StatusInfos** *(list)* –
  - *(dict)* –
  - **Message** *(string)* –
  - **Normal** *(boolean)* –
  - **Status** *(string)* –
  - **StatusType** *(string)* –
- **VpcSecurityGroups** *(string)* –

– **ResponseMetadata** *(dict)* –
- **RequestId** *(string)* –

rdb / Client / modify_db_parameter_group

modify_db_parameter_group

`rdb.Client.`**`modify_db_parameter_group`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.modify_db_parameter_group(
    DBParameterGroupName='string',
    Parameters=[
        {
            'ApplyMethod': 'immediate'|'pending-reboot',
            'ParameterName': 'string',
            'ParameterValue': 'string'
        },
    ]
)
```

Parameters

- **`DBParameterGroupName`** (*`string`*) – **[REQUIRED]**

- **Parameters** (*list*) – **[REQUIRED]**
  - *(dict)* –
    - **ApplyMethod** *(string)* – **[REQUIRED]**
    - **ParameterName** *(string)* – **[REQUIRED]**
    - **ParameterValue** *(string)* – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'DBParameterGroupName': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBParameterGroupName** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / modify_event_subscription

modify_event_subscription

`rdb.Client.`**`modify_event_subscription`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.modify_event_subscription(
    Enabled=True|False,
    EventCategories=[
        'string',
    ],
    NiftyDescription='string',
    NiftyEmailAddresses=[
        'string',
    ],
    NiftySourceIds=[
        'string',
    ],
    SourceType='string',
    SubscriptionName='string'
)
```

Parameters

- **Enabled** (*boolean*) –
- **EventCategories** (*list*) –
  - *(string)* –
- **NiftyDescription** (*string*) –
- **NiftyEmailAddresses** (*list*) –
  - *(string)* –
- **NiftySourceIds** (*list*) –
  - *(string)* –

- **SourceType** (*string*) –
- **SubscriptionName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'EventSubscription': {
        'CustSubscriptionId': 'string',
        'Enabled': True|False,
        'EventCategoriesList': [
            'string',
        ],
        'NiftyDescription': 'string',
        'NiftyEmailAddressesList': [
            'string',
        ],
        'SourceIdsList': [
            'string',
        ],
        'SourceType': 'string',
        'Status': 'string',
        'SubscriptionCreationTime': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **EventSubscription** *(dict)* –
    - **CustSubscriptionId** *(string)* –
    - **Enabled** *(boolean)* –
    - **EventCategoriesList** *(list)* –
      - *(string)* –
    - **NiftyDescription** *(string)* –
    - **NiftyEmailAddressesList** *(list)* –
      - *(string)* –
    - **SourceIdsList** *(list)* –
      - *(string)* –
    - **SourceType** *(string)* –
    - **Status** *(string)* –
    - **SubscriptionCreationTime** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / nifty_failover_db_instance

nifty_failover_db_instance

`rdb.Client.`**`nifty_failover_db_instance`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_failover_db_instance(
    DBInstanceIdentifier='string'
)
```

Parameters **DBInstanceIdentifier** (*string*) – **[REQUIRED]**
Return type dict
Returns

Response Syntax

```
{
    'DBInstance': {
        'AccountingType': 'string',
        'AllocatedStorage': 123,
        'AutoMinorVersionUpgrade': True|False,
        'AvailabilityZone': 'string',
        'BackupRetentionPeriod': 123,
        'BinlogRetentionPeriod': 123,
        'CACertificateIdentifier': 'string',
        'DBInstanceClass': 'string',
        'DBInstanceIdentifier': 'string',
        'DBInstanceStatus': 'string',
        'DBName': 'string',
        'DBParameterGroups': [
            {
                'DBParameterGroupName': 'string',
                'ParameterApplyStatus': 'string'
            },
        ],
        'DBSecurityGroups': [
            {
                'DBSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'Endpoint': {
            'Address': 'string',
            'NiftyPrivateAddress': 'string',
            'Port': 123
        },
        'Engine': 'string',
        'EngineVersion': 'string',
        'ExternalReplicationInfo': {
            'ExternalMasterAddress': 'string',
            'ExternalReplicationMessage': 'string',
            'ExternalReplicationStatus': 'string',
            'ReplicationAddresses': [
                'string',
            ],
            'ReplicationPrivateAddresses': [
                'string',
            ]
        },
        'InstanceCreateTime': datetime(2015, 1, 1),
        'LatestRestorableTime': datetime(2015, 1, 1),
        'LicenseModel': 'string',
        'MasterUsername': 'string',
```

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```
        'MultiAZ': True|False,
        'NextMonthAccountingType': 'string',
        'NiftyMasterPrivateAddress': 'string',
        'NiftyMultiAZType': 'string',
        'NiftyNetworkId': 'string',
        'NiftySlavePrivateAddress': 'string',
        'NiftyStorageType': 123,
        'OptionGroupMemberships': [
            {
                'OptionGroupName': 'string',
                'Status': 'string'
            },
        ],
        'PendingModifiedValues': {
            'AllocatedStorage': 123,
            'BackupRetentionPeriod': 123,
            'DBInstanceClass': 'string',
            'DBInstanceIdentifier': 'string',
            'EngineVersion': 'string',
            'MasterUserPassword': 'string',
            'MultiAZ': True|False,
            'Port': 123
        },
        'PreferredBackupWindow': 'string',
        'PreferredMaintenanceWindow': 'string',
        'PubliclyAccessible': True|False,
        'ReadReplicaDBInstanceIdentifiers': [
            'string',
        ],
        'ReadReplicaSourceDBInstanceIdentifier': 'string',
        'SecondaryAvailabilityZone': 'string',
        'StatusInfos': [
            {
                'Message': 'string',
                'Normal': True|False,
                'Status': 'string',
                'StatusType': 'string'
            },
        ],
        'VpcSecurityGroups': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBInstance** *(dict)* –
    - **AccountingType** *(string)* –
    - **AllocatedStorage** *(integer)* –
    - **AutoMinorVersionUpgrade** *(boolean)* –
    - **AvailabilityZone** *(string)* –
    - **BackupRetentionPeriod** *(integer)* –
    - **BinlogRetentionPeriod** *(integer)* –
    - **CACertificateIdentifier** *(string)* –

- **DBInstanceClass** *(string)* –
- **DBInstanceIdentifier** *(string)* –
- **DBInstanceStatus** *(string)* –
- **DBName** *(string)* –
- **DBParameterGroups** *(list)* –
  - *(dict)* –
  - **DBParameterGroupName** *(string)* –
  - **ParameterApplyStatus** *(string)* –
- **DBSecurityGroups** *(list)* –
  - *(dict)* –
  - **DBSecurityGroupName** *(string)* –
  - **Status** *(string)* –
- **Endpoint** *(dict)* –
  - **Address** *(string)* –
  - **NiftyPrivateAddress** *(string)* –
  - **Port** *(integer)* –
- **Engine** *(string)* –
- **EngineVersion** *(string)* –
- **ExternalReplicationInfo** *(dict)* –
  - **ExternalMasterAddress** *(string)* –
  - **ExternalReplicationMessage** *(string)* –
  - **ExternalReplicationStatus** *(string)* –
  - **ReplicationAddresses** *(list)* –
  - *(string)* –
  - **ReplicationPrivateAddresses** *(list)* –
  - *(string)* –
- **InstanceCreateTime** *(datetime)* –
- **LatestRestorableTime** *(datetime)* –
- **LicenseModel** *(string)* –
- **MasterUsername** *(string)* –
- **MultiAZ** *(boolean)* –
- **NextMonthAccountingType** *(string)* –
- **NiftyMasterPrivateAddress** *(string)* –
- **NiftyMultiAZType** *(string)* –
- **NiftyNetworkId** *(string)* –
- **NiftySlavePrivateAddress** *(string)* –
- **NiftyStorageType** *(integer)* –
- **OptionGroupMemberships** *(list)* –
  - *(dict)* –
  - **OptionGroupName** *(string)* –
  - **Status** *(string)* –
- **PendingModifiedValues** *(dict)* –
  - **AllocatedStorage** *(integer)* –
  - **BackupRetentionPeriod** *(integer)* –
  - **DBInstanceClass** *(string)* –
  - **DBInstanceIdentifier** *(string)* –
  - **EngineVersion** *(string)* –
  - **MasterUserPassword** *(string)* –
  - **MultiAZ** *(boolean)* –
  - **Port** *(integer)* –
- **PreferredBackupWindow** *(string)* –
- **PreferredMaintenanceWindow** *(string)* –
- **PubliclyAccessible** *(boolean)* –
- **ReadReplicaDBInstanceIdentifiers** *(list)* –

- (*string*) –
  - **ReadReplicaSourceDBInstanceIdentifier** (*string*) –
  - **SecondaryAvailabilityZone** (*string*) –
  - **StatusInfos** (*list*) –
    - (*dict*) –
    - **Message** (*string*) –
    - **Normal** (*boolean*) –
    - **Status** (*string*) –
    - **StatusType** (*string*) –
  - **VpcSecurityGroups** (*string*) –
- **ResponseMetadata** (*dict*) –
  - **RequestId** (*string*) –

rdb / Client / nifty_get_metric_statistics

nifty_get_metric_statistics

`rdb.Client.`**`nifty_get_metric_statistics`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.nifty_get_metric_statistics(
    Dimensions=[
        {
            'Name': 'string',
            'Value': 'string'
        },
    ],
    EndTime=datetime(2015, 1, 1),
    MetricName='BinLogDiskUsage'|'CPUUtilization'|'DatabaseConnections'|
↪'DiskQueueDepth'|'FreeableMemory'|'FreeStorageSpace'|'ReplicaLag'|'SwapUsage'|
↪'ReadIOPS'|'WriteIOPS'|'ReadThroughput'|'WriteThroughput',
    StartTime=datetime(2015, 1, 1)
)
```

Parameters

- **`Dimensions`** (*`list`*) – **[REQUIRED]**
  - (*dict*) –
    - **Name** (*string*) – **[REQUIRED]**
    - **Value** (*string*) – **[REQUIRED]**
- **`EndTime`** (*`datetime`*) –
- **`MetricName`** (*`string`*) – **[REQUIRED]**
- **`StartTime`** (*`datetime`*) –

Return type dict

Returns

Response Syntax

```
{
    'Datapoints': [
        {
            'NiftyTargetName': 'string',
            'SampleCount': 123,
            'Sum': 123.0,
            'Timestamp': datetime(2015, 1, 1)
```

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```
        },
    ],
    'Label': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **Datapoints** *(list)* –
    - *(dict)* –
      - **NiftyTargetName** *(string)* –
      - **SampleCount** *(integer)* –
      - **Sum** *(float)* –
      - **Timestamp** *(datetime)* –
  - **Label** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / reboot_db_instance

reboot_db_instance

`rdb.Client.`**`reboot_db_instance`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.reboot_db_instance(
    DBInstanceIdentifier='string',
    ForceFailover=True|False,
    NiftyRebootType='0'|'1'|'2'|'3'
)
```

Parameters

- **DBInstanceIdentifier** (*string*) – **[REQUIRED]**
- **ForceFailover** (*boolean*) –
- **NiftyRebootType** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'DBInstance': {
        'AccountingType': 'string',
        'AllocatedStorage': 123,
        'AutoMinorVersionUpgrade': True|False,
        'AvailabilityZone': 'string',
        'BackupRetentionPeriod': 123,
        'BinlogRetentionPeriod': 123,
        'CACertificateIdentifier': 'string',
        'DBInstanceClass': 'string',
        'DBInstanceIdentifier': 'string',
```

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```
        'DBInstanceStatus': 'string',
        'DBName': 'string',
        'DBParameterGroups': [
            {
                'DBParameterGroupName': 'string',
                'ParameterApplyStatus': 'string'
            },
        ],
        'DBSecurityGroups': [
            {
                'DBSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'Endpoint': {
            'Address': 'string',
            'NiftyPrivateAddress': 'string',
            'Port': 123
        },
        'Engine': 'string',
        'EngineVersion': 'string',
        'ExternalReplicationInfo': {
            'ExternalMasterAddress': 'string',
            'ExternalReplicationMessage': 'string',
            'ExternalReplicationStatus': 'string',
            'ReplicationAddresses': [
                'string',
            ],
            'ReplicationPrivateAddresses': [
                'string',
            ]
        },
        'InstanceCreateTime': datetime(2015, 1, 1),
        'LatestRestorableTime': datetime(2015, 1, 1),
        'LicenseModel': 'string',
        'MasterUsername': 'string',
        'MultiAZ': True|False,
        'NextMonthAccountingType': 'string',
        'NiftyMasterPrivateAddress': 'string',
        'NiftyMultiAZType': 'string',
        'NiftyNetworkId': 'string',
        'NiftySlavePrivateAddress': 'string',
        'NiftyStorageType': 123,
        'OptionGroupMemberships': [
            {
                'OptionGroupName': 'string',
                'Status': 'string'
            },
        ],
        'PendingModifiedValues': {
            'AllocatedStorage': 123,
            'BackupRetentionPeriod': 123,
            'DBInstanceClass': 'string',
            'DBInstanceIdentifier': 'string',
            'EngineVersion': 'string',
            'MasterUserPassword': 'string',
            'MultiAZ': True|False,
```

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```
            'Port': 123
        },
        'PreferredBackupWindow': 'string',
        'PreferredMaintenanceWindow': 'string',
        'PubliclyAccessible': True|False,
        'ReadReplicaDBInstanceIdentifiers': [
            'string',
        ],
        'ReadReplicaSourceDBInstanceIdentifier': 'string',
        'SecondaryAvailabilityZone': 'string',
        'StatusInfos': [
            {
                'Message': 'string',
                'Normal': True|False,
                'Status': 'string',
                'StatusType': 'string'
            },
        ],
        'VpcSecurityGroups': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBInstance** *(dict)* –
    - **AccountingType** *(string)* –
    - **AllocatedStorage** *(integer)* –
    - **AutoMinorVersionUpgrade** *(boolean)* –
    - **AvailabilityZone** *(string)* –
    - **BackupRetentionPeriod** *(integer)* –
    - **BinlogRetentionPeriod** *(integer)* –
    - **CACertificateIdentifier** *(string)* –
    - **DBInstanceClass** *(string)* –
    - **DBInstanceIdentifier** *(string)* –
    - **DBInstanceStatus** *(string)* –
    - **DBName** *(string)* –
    - **DBParameterGroups** *(list)* –
      - *(dict)* –
      - **DBParameterGroupName** *(string)* –
      - **ParameterApplyStatus** *(string)* –
    - **DBSecurityGroups** *(list)* –
      - *(dict)* –
      - **DBSecurityGroupName** *(string)* –
      - **Status** *(string)* –
    - **Endpoint** *(dict)* –
      - **Address** *(string)* –
      - **NiftyPrivateAddress** *(string)* –
      - **Port** *(integer)* –
    - **Engine** *(string)* –
    - **EngineVersion** *(string)* –
    - **ExternalReplicationInfo** *(dict)* –
      - **ExternalMasterAddress** *(string)* –

            - **ExternalReplicationMessage** *(string)* –
            - **ExternalReplicationStatus** *(string)* –
            - **ReplicationAddresses** *(list)* –
            - *(string)* –
            - **ReplicationPrivateAddresses** *(list)* –
            - *(string)* –
        - **InstanceCreateTime** *(datetime)* –
        - **LatestRestorableTime** *(datetime)* –
        - **LicenseModel** *(string)* –
        - **MasterUsername** *(string)* –
        - **MultiAZ** *(boolean)* –
        - **NextMonthAccountingType** *(string)* –
        - **NiftyMasterPrivateAddress** *(string)* –
        - **NiftyMultiAZType** *(string)* –
        - **NiftyNetworkId** *(string)* –
        - **NiftySlavePrivateAddress** *(string)* –
        - **NiftyStorageType** *(integer)* –
        - **OptionGroupMemberships** *(list)* –
            - *(dict)* –
            - **OptionGroupName** *(string)* –
            - **Status** *(string)* –
        - **PendingModifiedValues** *(dict)* –
            - **AllocatedStorage** *(integer)* –
            - **BackupRetentionPeriod** *(integer)* –
            - **DBInstanceClass** *(string)* –
            - **DBInstanceIdentifier** *(string)* –
            - **EngineVersion** *(string)* –
            - **MasterUserPassword** *(string)* –
            - **MultiAZ** *(boolean)* –
            - **Port** *(integer)* –
        - **PreferredBackupWindow** *(string)* –
        - **PreferredMaintenanceWindow** *(string)* –
        - **PubliclyAccessible** *(boolean)* –
        - **ReadReplicaDBInstanceIdentifiers** *(list)* –
            - *(string)* –
        - **ReadReplicaSourceDBInstanceIdentifier** *(string)* –
        - **SecondaryAvailabilityZone** *(string)* –
        - **StatusInfos** *(list)* –
            - *(dict)* –
            - **Message** *(string)* –
            - **Normal** *(boolean)* –
            - **Status** *(string)* –
            - **StatusType** *(string)* –
        - **VpcSecurityGroups** *(string)* –
    - **ResponseMetadata** *(dict)* –
        - **RequestId** *(string)* –

rdb / Client / remove_source_identifier_from_subscription

remove_source_identifier_from_subscription

`rdb.Client.`**`remove_source_identifier_from_subscription`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.remove_source_identifier_from_subscription(
    SourceIdentifier='string',
    SubscriptionName='string'
)
```

Parameters

- **SourceIdentifier** (*string*) – **[REQUIRED]**
- **SubscriptionName** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'EventSubscription': {
        'CustSubscriptionId': 'string',
        'Enabled': True|False,
        'EventCategoriesList': [
            'string',
        ],
        'NiftyDescription': 'string',
        'NiftyEmailAddressesList': [
            'string',
        ],
        'SourceIdsList': [
            'string',
        ],
        'SourceType': 'string',
        'Status': 'string',
        'SubscriptionCreationTime': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **EventSubscription** *(dict)* –
    - **CustSubscriptionId** *(string)* –
    - **Enabled** *(boolean)* –
    - **EventCategoriesList** *(list)* –
      - *(string)* –
    - **NiftyDescription** *(string)* –
    - **NiftyEmailAddressesList** *(list)* –
      - *(string)* –
    - **SourceIdsList** *(list)* –
      - *(string)* –
    - **SourceType** *(string)* –
    - **Status** *(string)* –
    - **SubscriptionCreationTime** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / reset_db_parameter_group

reset_db_parameter_group

`rdb.Client.reset_db_parameter_group(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.reset_db_parameter_group(
    DBParameterGroupName='string',
    Parameters=[
        {
            'ApplyMethod': 'immediate'|'pending-reboot',
            'ParameterName': 'string'
        },
    ],
    ResetAllParameters=True|False
)
```

Parameters

- **DBParameterGroupName** (*string*) – **[REQUIRED]**
- **Parameters** (*list*) –
  - *(dict)* –
    - **ApplyMethod** *(string)* –
    - **ParameterName** *(string)* –
- **ResetAllParameters** (*boolean*) –

Return type dict

Returns

Response Syntax

```
{
    'DBParameterGroupName': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBParameterGroupName** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / reset_external_master

reset_external_master

`rdb.Client.reset_external_master(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.reset_external_master(
    DBInstanceIdentifier='string'
)
```

Parameters **DBInstanceIdentifier** (*string*) – **[REQUIRED]**

Return type dict
Returns

Response Syntax

```
{
    'DBInstance': {
        'AccountingType': 'string',
        'AllocatedStorage': 123,
        'AutoMinorVersionUpgrade': True|False,
        'AvailabilityZone': 'string',
        'BackupRetentionPeriod': 123,
        'BinlogRetentionPeriod': 123,
        'CACertificateIdentifier': 'string',
        'DBInstanceClass': 'string',
        'DBInstanceIdentifier': 'string',
        'DBInstanceStatus': 'string',
        'DBName': 'string',
        'DBParameterGroups': [
            {
                'DBParameterGroupName': 'string',
                'ParameterApplyStatus': 'string'
            },
        ],
        'DBSecurityGroups': [
            {
                'DBSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'Endpoint': {
            'Address': 'string',
            'NiftyPrivateAddress': 'string',
            'Port': 123
        },
        'Engine': 'string',
        'EngineVersion': 'string',
        'ExternalReplicationInfo': {
            'ExternalMasterAddress': 'string',
            'ExternalReplicationMessage': 'string',
            'ExternalReplicationStatus': 'string',
            'ReplicationAddresses': [
                'string',
            ],
            'ReplicationPrivateAddresses': [
                'string',
            ]
        },
        'InstanceCreateTime': datetime(2015, 1, 1),
        'LatestRestorableTime': datetime(2015, 1, 1),
        'LicenseModel': 'string',
        'MasterUsername': 'string',
        'MultiAZ': True|False,
        'NextMonthAccountingType': 'string',
        'NiftyMasterPrivateAddress': 'string',
        'NiftyMultiAZType': 'string',
        'NiftyNetworkId': 'string',
        'NiftySlavePrivateAddress': 'string',
```

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```
        'NiftyStorageType': 123,
        'OptionGroupMemberships': [
            {
                'OptionGroupName': 'string',
                'Status': 'string'
            },
        ],
        'PendingModifiedValues': {
            'AllocatedStorage': 123,
            'BackupRetentionPeriod': 123,
            'DBInstanceClass': 'string',
            'DBInstanceIdentifier': 'string',
            'EngineVersion': 'string',
            'MasterUserPassword': 'string',
            'MultiAZ': True|False,
            'Port': 123
        },
        'PreferredBackupWindow': 'string',
        'PreferredMaintenanceWindow': 'string',
        'PubliclyAccessible': True|False,
        'ReadReplicaDBInstanceIdentifiers': [
            'string',
        ],
        'ReadReplicaSourceDBInstanceIdentifier': 'string',
        'SecondaryAvailabilityZone': 'string',
        'StatusInfos': [
            {
                'Message': 'string',
                'Normal': True|False,
                'Status': 'string',
                'StatusType': 'string'
            },
        ],
        'VpcSecurityGroups': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBInstance** *(dict)* –
    - **AccountingType** *(string)* –
    - **AllocatedStorage** *(integer)* –
    - **AutoMinorVersionUpgrade** *(boolean)* –
    - **AvailabilityZone** *(string)* –
    - **BackupRetentionPeriod** *(integer)* –
    - **BinlogRetentionPeriod** *(integer)* –
    - **CACertificateIdentifier** *(string)* –
    - **DBInstanceClass** *(string)* –
    - **DBInstanceIdentifier** *(string)* –
    - **DBInstanceStatus** *(string)* –
    - **DBName** *(string)* –
    - **DBParameterGroups** *(list)* –
      - *(dict)* –

- **DBParameterGroupName** *(string)* –
- **ParameterApplyStatus** *(string)* –

* **DBSecurityGroups** *(list)* –
  - *(dict)* –
  - **DBSecurityGroupName** *(string)* –
  - **Status** *(string)* –
* **Endpoint** *(dict)* –
  - **Address** *(string)* –
  - **NiftyPrivateAddress** *(string)* –
  - **Port** *(integer)* –
* **Engine** *(string)* –
* **EngineVersion** *(string)* –
* **ExternalReplicationInfo** *(dict)* –
  - **ExternalMasterAddress** *(string)* –
  - **ExternalReplicationMessage** *(string)* –
  - **ExternalReplicationStatus** *(string)* –
  - **ReplicationAddresses** *(list)* –
  - *(string)* –
  - **ReplicationPrivateAddresses** *(list)* –
  - *(string)* –
* **InstanceCreateTime** *(datetime)* –
* **LatestRestorableTime** *(datetime)* –
* **LicenseModel** *(string)* –
* **MasterUsername** *(string)* –
* **MultiAZ** *(boolean)* –
* **NextMonthAccountingType** *(string)* –
* **NiftyMasterPrivateAddress** *(string)* –
* **NiftyMultiAZType** *(string)* –
* **NiftyNetworkId** *(string)* –
* **NiftySlavePrivateAddress** *(string)* –
* **NiftyStorageType** *(integer)* –
* **OptionGroupMemberships** *(list)* –
  - *(dict)* –
  - **OptionGroupName** *(string)* –
  - **Status** *(string)* –
* **PendingModifiedValues** *(dict)* –
  - **AllocatedStorage** *(integer)* –
  - **BackupRetentionPeriod** *(integer)* –
  - **DBInstanceClass** *(string)* –
  - **DBInstanceIdentifier** *(string)* –
  - **EngineVersion** *(string)* –
  - **MasterUserPassword** *(string)* –
  - **MultiAZ** *(boolean)* –
  - **Port** *(integer)* –
* **PreferredBackupWindow** *(string)* –
* **PreferredMaintenanceWindow** *(string)* –
* **PubliclyAccessible** *(boolean)* –
* **ReadReplicaDBInstanceIdentifiers** *(list)* –
  - *(string)* –
* **ReadReplicaSourceDBInstanceIdentifier** *(string)* –
* **SecondaryAvailabilityZone** *(string)* –
* **StatusInfos** *(list)* –
  - *(dict)* –
  - **Message** *(string)* –

- Normal *(boolean)* –
- Status *(string)* –
- StatusType *(string)* –

* **VpcSecurityGroups** *(string)* –

– **ResponseMetadata** *(dict)* –

* **RequestId** *(string)* –

rdb / Client / restore_db_instance_from_db_snapshot

restore_db_instance_from_db_snapshot

`rdb.Client.`**`restore_db_instance_from_db_snapshot`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.restore_db_instance_from_db_snapshot(
    AccountingType='1'|'2',
    AutoMinorVersionUpgrade=True|False,
    AvailabilityZone='string',
    DBInstanceClass='db.mini'|'db.e-small'|'db.small'|'db.e-small2'|'db.small2'|
↪'db.e-small4'|'db.small4'|'db.e-small8'|'db.small8'|'db.e-small16'|'db.small16'|
↪'db.e-medium'|'db.medium'|'db.e-medium4'|'db.medium4'|'db.e-medium8'|'db.medium8
↪'|'db.e-medium16'|'db.medium16'|'db.e-medium24'|'db.medium24'|'db.e-large'|'db.
↪large'|'db.e-large8'|'db.large8'|'db.e-large16'|'db.large16'|'db.e-large24'|'db.
↪large24'|'db.e-large32'|'db.large32'|'db.e-extra-large8'|'db.extra-large8'|'db.
↪e-extra-large16'|'db.extra-large16'|'db.e-extra-large24'|'db.extra-large24'|'db.
↪e-extra-large32'|'db.extra-large32'|'db.e-extra-large48'|'db.extra-large48'|'db.
↪e-double-large16'|'db.double-large16'|'db.e-double-large24'|'db.double-large24'|
↪'db.e-double-large32'|'db.double-large32'|'db.e-double-large48'|'db.double-
↪large48'|'db.e-double-large64'|'db.double-large64'|'db.e-double-large96'|'db.
↪double-large96'|'db.triple-large32'|'db.triple-large48'|'db.triple-large64'|'db.
↪triple-large96'|'db.triple-large128'|'db.quad-large64'|'db.quad-large96'|'db.
↪quad-large128'|'db.septa-large128',
    DBInstanceIdentifier='string',
    DBName='string',
    DBSnapshotIdentifier='string',
    DBSubnetGroupName='string',
    Engine='string',
    Iops=123,
    LicenseModel='string',
    MultiAZ=True|False,
    NiftyDBParameterGroupName='string',
    NiftyDBSecurityGroups=[
        'string',
    ],
    NiftyMasterPrivateAddress='string',
    NiftyMultiAZType=123,
    NiftyNetworkId='string',
    NiftySlavePrivateAddress='string',
    NiftyStorageType=123,
    NiftyVirtualPrivateAddress='string',
    OptionGroupName='string',
    Port=123,
    PubliclyAccessible=True|False
)
```

Parameters

- **AccountingType** (*string*) –
- **AutoMinorVersionUpgrade** (*boolean*) –
- **AvailabilityZone** (*string*) –
- **DBInstanceClass** (*string*) – **[REQUIRED]**
- **DBInstanceIdentifier** (*string*) – **[REQUIRED]**
- **DBName** (*string*) –
- **DBSnapshotIdentifier** (*string*) – **[REQUIRED]**
- **DBSubnetGroupName** (*string*) –
- **Engine** (*string*) –
- **Iops** (*integer*) –
- **LicenseModel** (*string*) –
- **MultiAZ** (*boolean*) –
- **NiftyDBParameterGroupName** (*string*) –
- **NiftyDBSecurityGroups** (*list*) –
  - *(string)* –
- **NiftyMasterPrivateAddress** (*string*) –
- **NiftyMultiAZType** (*integer*) –
- **NiftyNetworkId** (*string*) –
- **NiftySlavePrivateAddress** (*string*) –
- **NiftyStorageType** (*integer*) –
- **NiftyVirtualPrivateAddress** (*string*) –
- **OptionGroupName** (*string*) –
- **Port** (*integer*) –
- **PubliclyAccessible** (*boolean*) –

Return type dict

Returns

Response Syntax

```
{
    'DBInstance': {
        'AccountingType': 'string',
        'AllocatedStorage': 123,
        'AutoMinorVersionUpgrade': True|False,
        'AvailabilityZone': 'string',
        'BackupRetentionPeriod': 123,
        'BinlogRetentionPeriod': 123,
        'CACertificateIdentifier': 'string',
        'DBInstanceClass': 'string',
        'DBInstanceIdentifier': 'string',
        'DBInstanceStatus': 'string',
        'DBName': 'string',
        'DBParameterGroups': [
            {
                'DBParameterGroupName': 'string',
                'ParameterApplyStatus': 'string'
            },
        ],
        'DBSecurityGroups': [
            {
                'DBSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'Endpoint': {
            'Address': 'string',
```

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```
            'NiftyPrivateAddress': 'string',
            'Port': 123
        },
        'Engine': 'string',
        'EngineVersion': 'string',
        'ExternalReplicationInfo': {
            'ExternalMasterAddress': 'string',
            'ExternalReplicationMessage': 'string',
            'ExternalReplicationStatus': 'string',
            'ReplicationAddresses': [
                'string',
            ],
            'ReplicationPrivateAddresses': [
                'string',
            ]
        },
        'InstanceCreateTime': datetime(2015, 1, 1),
        'LatestRestorableTime': datetime(2015, 1, 1),
        'LicenseModel': 'string',
        'MasterUsername': 'string',
        'MultiAZ': True|False,
        'NextMonthAccountingType': 'string',
        'NiftyMasterPrivateAddress': 'string',
        'NiftyMultiAZType': 'string',
        'NiftyNetworkId': 'string',
        'NiftySlavePrivateAddress': 'string',
        'NiftyStorageType': 123,
        'OptionGroupMemberships': [
            {
                'OptionGroupName': 'string',
                'Status': 'string'
            },
        ],
        'PendingModifiedValues': {
            'AllocatedStorage': 123,
            'BackupRetentionPeriod': 123,
            'DBInstanceClass': 'string',
            'DBInstanceIdentifier': 'string',
            'EngineVersion': 'string',
            'MasterUserPassword': 'string',
            'MultiAZ': True|False,
            'Port': 123
        },
        'PreferredBackupWindow': 'string',
        'PreferredMaintenanceWindow': 'string',
        'PubliclyAccessible': True|False,
        'ReadReplicaDBInstanceIdentifiers': [
            'string',
        ],
        'ReadReplicaSourceDBInstanceIdentifier': 'string',
        'SecondaryAvailabilityZone': 'string',
        'StatusInfos': [
            {
                'Message': 'string',
                'Normal': True|False,
                'Status': 'string',
                'StatusType': 'string'
```

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```
            },
        ],
        'VpcSecurityGroups': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBInstance** *(dict)* –
    - **AccountingType** *(string)* –
    - **AllocatedStorage** *(integer)* –
    - **AutoMinorVersionUpgrade** *(boolean)* –
    - **AvailabilityZone** *(string)* –
    - **BackupRetentionPeriod** *(integer)* –
    - **BinlogRetentionPeriod** *(integer)* –
    - **CACertificateIdentifier** *(string)* –
    - **DBInstanceClass** *(string)* –
    - **DBInstanceIdentifier** *(string)* –
    - **DBInstanceStatus** *(string)* –
    - **DBName** *(string)* –
    - **DBParameterGroups** *(list)* –
      - *(dict)* –
      - **DBParameterGroupName** *(string)* –
      - **ParameterApplyStatus** *(string)* –
    - **DBSecurityGroups** *(list)* –
      - *(dict)* –
      - **DBSecurityGroupName** *(string)* –
      - **Status** *(string)* –
    - **Endpoint** *(dict)* –
      - **Address** *(string)* –
      - **NiftyPrivateAddress** *(string)* –
      - **Port** *(integer)* –
    - **Engine** *(string)* –
    - **EngineVersion** *(string)* –
    - **ExternalReplicationInfo** *(dict)* –
      - **ExternalMasterAddress** *(string)* –
      - **ExternalReplicationMessage** *(string)* –
      - **ExternalReplicationStatus** *(string)* –
      - **ReplicationAddresses** *(list)* –
      - *(string)* –
      - **ReplicationPrivateAddresses** *(list)* –
      - *(string)* –
    - **InstanceCreateTime** *(datetime)* –
    - **LatestRestorableTime** *(datetime)* –
    - **LicenseModel** *(string)* –
    - **MasterUsername** *(string)* –
    - **MultiAZ** *(boolean)* –
    - **NextMonthAccountingType** *(string)* –
    - **NiftyMasterPrivateAddress** *(string)* –
    - **NiftyMultiAZType** *(string)* –

- **NiftyNetworkId** *(string)* –
- **NiftySlavePrivateAddress** *(string)* –
- **NiftyStorageType** *(integer)* –
- **OptionGroupMemberships** *(list)* –
  - *(dict)* –
  - **OptionGroupName** *(string)* –
  - **Status** *(string)* –
- **PendingModifiedValues** *(dict)* –
  - **AllocatedStorage** *(integer)* –
  - **BackupRetentionPeriod** *(integer)* –
  - **DBInstanceClass** *(string)* –
  - **DBInstanceIdentifier** *(string)* –
  - **EngineVersion** *(string)* –
  - **MasterUserPassword** *(string)* –
  - **MultiAZ** *(boolean)* –
  - **Port** *(integer)* –
- **PreferredBackupWindow** *(string)* –
- **PreferredMaintenanceWindow** *(string)* –
- **PubliclyAccessible** *(boolean)* –
- **ReadReplicaDBInstanceIdentifiers** *(list)* –
  - *(string)* –
- **ReadReplicaSourceDBInstanceIdentifier** *(string)* –
- **SecondaryAvailabilityZone** *(string)* –
- **StatusInfos** *(list)* –
  - *(dict)* –
  - **Message** *(string)* –
  - **Normal** *(boolean)* –
  - **Status** *(string)* –
  - **StatusType** *(string)* –
- **VpcSecurityGroups** *(string)* –

– **ResponseMetadata** *(dict)* –
- **RequestId** *(string)* –

rdb / Client / restore_db_instance_to_point_in_time

restore_db_instance_to_point_in_time

`rdb.Client.`**`restore_db_instance_to_point_in_time`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.restore_db_instance_to_point_in_time(
    AccountingType='1'|'2',
    AutoMinorVersionUpgrade=True|False,
    AvailabilityZone='string',
    DBInstanceClass='db.mini'|'db.e-small'|'db.small'|'db.e-small2'|'db.small2'|
↪'db.e-small4'|'db.small4'|'db.e-small8'|'db.small8'|'db.e-small16'|'db.small16'|
↪'db.e-medium'|'db.medium'|'db.e-medium4'|'db.medium4'|'db.e-medium8'|'db.medium8
↪'|'db.e-medium16'|'db.medium16'|'db.e-medium24'|'db.medium24'|'db.e-large'|'db.
↪large'|'db.e-large8'|'db.large8'|'db.e-large16'|'db.large16'|'db.e-large24'|'db.
↪large24'|'db.e-large32'|'db.large32'|'db.e-extra-large8'|'db.extra-large8'|'db.
↪e-extra-large16'|'db.extra-large16'|'db.e-extra-large24'|'db.extra-large24'|'db.
↪e-extra-large32'|'db.extra-large32'|'db.e-extra-large48'|'db.extra-large48'|'db.
↪e-double-large16'|'db.double-large16'|'db.e-double-large24'|'db.double-large24'|
↪'db.e-double-large32'|'db.double-large32'|'db.e-double-large48'|'db.double-
↪large48'|'db.e-double-large64'|'db.double-large64'|'db.e-double-large96'|'db.
↪double-large96'|'db.triple-large32'|'db.triple-large48'|'db.triple-large64'|'db.
↪triple-large96'|'db.triple-large128'|'db.quad-large64'|'db.quad-large96'|'db.
↪quad-large128'|'db.septa-large128',
```

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```
    DBName='string',
    DBSubnetGroupName='string',
    Engine='string',
    Iops=123,
    LicenseModel='string',
    MultiAZ=True|False,
    NiftyDBParameterGroupName='string',
    NiftyDBSecurityGroups=[
        'string',
    ],
    NiftyMasterPrivateAddress='string',
    NiftyMultiAZType=123,
    NiftyNetworkId='string',
    NiftySlavePrivateAddress='string',
    NiftyStorageType=123,
    NiftyVirtualPrivateAddress='string',
    OptionGroupName='string',
    Port=123,
    PubliclyAccessible=True|False,
    RestoreTime=datetime(2015, 1, 1),
    SourceDBInstanceIdentifier='string',
    TargetDBInstanceIdentifier='string',
    UseLatestRestorableTime=True|False
)
```

Parameters

- **AccountingType** (*string*) –
- **AutoMinorVersionUpgrade** (*boolean*) –
- **AvailabilityZone** (*string*) –
- **DBInstanceClass** (*string*) –
- **DBName** (*string*) –
- **DBSubnetGroupName** (*string*) –
- **Engine** (*string*) –
- **Iops** (*integer*) –
- **LicenseModel** (*string*) –
- **MultiAZ** (*boolean*) –
- **NiftyDBParameterGroupName** (*string*) –
- **NiftyDBSecurityGroups** (*list*) –
  - *(string)* –
- **NiftyMasterPrivateAddress** (*string*) –
- **NiftyMultiAZType** (*integer*) –
- **NiftyNetworkId** (*string*) –
- **NiftySlavePrivateAddress** (*string*) –
- **NiftyStorageType** (*integer*) –
- **NiftyVirtualPrivateAddress** (*string*) –
- **OptionGroupName** (*string*) –
- **Port** (*integer*) –
- **PubliclyAccessible** (*boolean*) –
- **RestoreTime** (*datetime*) –
- **SourceDBInstanceIdentifier** (*string*) – **[REQUIRED]**
- **TargetDBInstanceIdentifier** (*string*) – **[REQUIRED]**
- **UseLatestRestorableTime** (*boolean*) –

Return type dict

Returns

Response Syntax

```
{
    'DBInstance': {
        'AccountingType': 'string',
        'AllocatedStorage': 123,
        'AutoMinorVersionUpgrade': True|False,
        'AvailabilityZone': 'string',
        'BackupRetentionPeriod': 123,
        'BinlogRetentionPeriod': 123,
        'CACertificateIdentifier': 'string',
        'DBInstanceClass': 'string',
        'DBInstanceIdentifier': 'string',
        'DBInstanceStatus': 'string',
        'DBName': 'string',
        'DBParameterGroups': [
            {
                'DBParameterGroupName': 'string',
                'ParameterApplyStatus': 'string'
            },
        ],
        'DBSecurityGroups': [
            {
                'DBSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'Endpoint': {
            'Address': 'string',
            'NiftyPrivateAddress': 'string',
            'Port': 123
        },
        'Engine': 'string',
        'EngineVersion': 'string',
        'ExternalReplicationInfo': {
            'ExternalMasterAddress': 'string',
            'ExternalReplicationMessage': 'string',
            'ExternalReplicationStatus': 'string',
            'ReplicationAddresses': [
                'string',
            ],
            'ReplicationPrivateAddresses': [
                'string',
            ]
        },
        'InstanceCreateTime': datetime(2015, 1, 1),
        'LatestRestorableTime': datetime(2015, 1, 1),
        'LicenseModel': 'string',
        'MasterUsername': 'string',
        'MultiAZ': True|False,
        'NextMonthAccountingType': 'string',
        'NiftyMasterPrivateAddress': 'string',
        'NiftyMultiAZType': 'string',
        'NiftyNetworkId': 'string',
        'NiftySlavePrivateAddress': 'string',
        'NiftyStorageType': 123,
        'OptionGroupMemberships': [
            {
```

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```
                'OptionGroupName': 'string',
                'Status': 'string'
            },
        ],
        'PendingModifiedValues': {
            'AllocatedStorage': 123,
            'BackupRetentionPeriod': 123,
            'DBInstanceClass': 'string',
            'DBInstanceIdentifier': 'string',
            'EngineVersion': 'string',
            'MasterUserPassword': 'string',
            'MultiAZ': True|False,
            'Port': 123
        },
        'PreferredBackupWindow': 'string',
        'PreferredMaintenanceWindow': 'string',
        'PubliclyAccessible': True|False,
        'ReadReplicaDBInstanceIdentifiers': [
            'string',
        ],
        'ReadReplicaSourceDBInstanceIdentifier': 'string',
        'SecondaryAvailabilityZone': 'string',
        'StatusInfos': [
            {
                'Message': 'string',
                'Normal': True|False,
                'Status': 'string',
                'StatusType': 'string'
            },
        ],
        'VpcSecurityGroups': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBInstance** *(dict)* –
    - **AccountingType** *(string)* –
    - **AllocatedStorage** *(integer)* –
    - **AutoMinorVersionUpgrade** *(boolean)* –
    - **AvailabilityZone** *(string)* –
    - **BackupRetentionPeriod** *(integer)* –
    - **BinlogRetentionPeriod** *(integer)* –
    - **CACertificateIdentifier** *(string)* –
    - **DBInstanceClass** *(string)* –
    - **DBInstanceIdentifier** *(string)* –
    - **DBInstanceStatus** *(string)* –
    - **DBName** *(string)* –
    - **DBParameterGroups** *(list)* –
      - *(dict)* –
      - **DBParameterGroupName** *(string)* –
      - **ParameterApplyStatus** *(string)* –
    - **DBSecurityGroups** *(list)* –

    - *(dict)* –
    - **DBSecurityGroupName** *(string)* –
    - **Status** *(string)* –
  - **Endpoint** *(dict)* –
    - **Address** *(string)* –
    - **NiftyPrivateAddress** *(string)* –
    - **Port** *(integer)* –
  - **Engine** *(string)* –
  - **EngineVersion** *(string)* –
  - **ExternalReplicationInfo** *(dict)* –
    - **ExternalMasterAddress** *(string)* –
    - **ExternalReplicationMessage** *(string)* –
    - **ExternalReplicationStatus** *(string)* –
    - **ReplicationAddresses** *(list)* –
    - *(string)* –
    - **ReplicationPrivateAddresses** *(list)* –
    - *(string)* –
  - **InstanceCreateTime** *(datetime)* –
  - **LatestRestorableTime** *(datetime)* –
  - **LicenseModel** *(string)* –
  - **MasterUsername** *(string)* –
  - **MultiAZ** *(boolean)* –
  - **NextMonthAccountingType** *(string)* –
  - **NiftyMasterPrivateAddress** *(string)* –
  - **NiftyMultiAZType** *(string)* –
  - **NiftyNetworkId** *(string)* –
  - **NiftySlavePrivateAddress** *(string)* –
  - **NiftyStorageType** *(integer)* –
  - **OptionGroupMemberships** *(list)* –
    - *(dict)* –
    - **OptionGroupName** *(string)* –
    - **Status** *(string)* –
  - **PendingModifiedValues** *(dict)* –
    - **AllocatedStorage** *(integer)* –
    - **BackupRetentionPeriod** *(integer)* –
    - **DBInstanceClass** *(string)* –
    - **DBInstanceIdentifier** *(string)* –
    - **EngineVersion** *(string)* –
    - **MasterUserPassword** *(string)* –
    - **MultiAZ** *(boolean)* –
    - **Port** *(integer)* –
  - **PreferredBackupWindow** *(string)* –
  - **PreferredMaintenanceWindow** *(string)* –
  - **PubliclyAccessible** *(boolean)* –
  - **ReadReplicaDBInstanceIdentifiers** *(list)* –
    - *(string)* –
  - **ReadReplicaSourceDBInstanceIdentifier** *(string)* –
  - **SecondaryAvailabilityZone** *(string)* –
  - **StatusInfos** *(list)* –
    - *(dict)* –
    - **Message** *(string)* –
    - **Normal** *(boolean)* –
    - **Status** *(string)* –
    - **StatusType** *(string)* –

        * **VpcSecurityGroups** *(string)* –
    - **ResponseMetadata** *(dict)* –
        * **RequestId** *(string)* –

rdb / Client / revoke_db_security_group_ingress

revoke_db_security_group_ingress

`rdb.Client.`**`revoke_db_security_group_ingress`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.revoke_db_security_group_ingress(
    CIDRIP='string',
    DBSecurityGroupName='string',
    EC2SecurityGroupId='string',
    EC2SecurityGroupName='string',
    EC2SecurityGroupOwnerId='string'
)
```

Parameters

- **CIDRIP** (*string*) –
- **DBSecurityGroupName** (*string*) – **[REQUIRED]**
- **EC2SecurityGroupId** (*string*) –
- **EC2SecurityGroupName** (*string*) –
- **EC2SecurityGroupOwnerId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'DBSecurityGroup': {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
            {
                'EC2SecurityGroupName': 'string',
                'EC2SecurityGroupOwnerId': 'string',
                'Status': 'string'
            },
        ],
        'IPRanges': [
            {
                'CIDRIP': 'string',
                'Status': 'string'
            },
        ],
        'NiftyAvailabilityZone': 'string',
        'OwnerId': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBSecurityGroup** *(dict)* –
    - **DBSecurityGroupDescription** *(string)* –
    - **DBSecurityGroupName** *(string)* –
    - **EC2SecurityGroups** *(list)* –
      - *(dict)* –
      - **EC2SecurityGroupName** *(string)* –
      - **EC2SecurityGroupOwnerId** *(string)* –
      - **Status** *(string)* –
    - **IPRanges** *(list)* –
      - *(dict)* –
      - **CIDRIP** *(string)* –
      - **Status** *(string)* –
    - **NiftyAvailabilityZone** *(string)* –
    - **OwnerId** *(string)* –
  - **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / set_external_master

set_external_master

`rdb.Client.`**`set_external_master`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.set_external_master(
    BinlogFileName='string',
    BinlogPosition=123,
    DBInstanceIdentifier='string',
    MasterHost='string',
    MasterPort=123,
    ReplicationUserName='string',
    ReplicationUserPassword='string'
)
```

Parameters

- **BinlogFileName** (*string*) – **[REQUIRED]**
- **BinlogPosition** (*integer*) – **[REQUIRED]**
- **DBInstanceIdentifier** (*string*) – **[REQUIRED]**
- **MasterHost** (*string*) – **[REQUIRED]**
- **MasterPort** (*integer*) –
- **ReplicationUserName** (*string*) – **[REQUIRED]**
- **ReplicationUserPassword** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'DBInstance': {
        'AccountingType': 'string',
        'AllocatedStorage': 123,
        'AutoMinorVersionUpgrade': True|False,
        'AvailabilityZone': 'string',
```

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```
        'BackupRetentionPeriod': 123,
        'BinlogRetentionPeriod': 123,
        'CACertificateIdentifier': 'string',
        'DBInstanceClass': 'string',
        'DBInstanceIdentifier': 'string',
        'DBInstanceStatus': 'string',
        'DBName': 'string',
        'DBParameterGroups': [
            {
                'DBParameterGroupName': 'string',
                'ParameterApplyStatus': 'string'
            },
        ],
        'DBSecurityGroups': [
            {
                'DBSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'Endpoint': {
            'Address': 'string',
            'NiftyPrivateAddress': 'string',
            'Port': 123
        },
        'Engine': 'string',
        'EngineVersion': 'string',
        'ExternalReplicationInfo': {
            'ExternalMasterAddress': 'string',
            'ExternalReplicationMessage': 'string',
            'ExternalReplicationStatus': 'string',
            'ReplicationAddresses': [
                'string',
            ],
            'ReplicationPrivateAddresses': [
                'string',
            ]
        },
        'InstanceCreateTime': datetime(2015, 1, 1),
        'LatestRestorableTime': datetime(2015, 1, 1),
        'LicenseModel': 'string',
        'MasterUsername': 'string',
        'MultiAZ': True|False,
        'NextMonthAccountingType': 'string',
        'NiftyMasterPrivateAddress': 'string',
        'NiftyMultiAZType': 'string',
        'NiftyNetworkId': 'string',
        'NiftySlavePrivateAddress': 'string',
        'NiftyStorageType': 123,
        'OptionGroupMemberships': [
            {
                'OptionGroupName': 'string',
                'Status': 'string'
            },
        ],
        'PendingModifiedValues': {
            'AllocatedStorage': 123,
            'BackupRetentionPeriod': 123,
```

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```
            'DBInstanceClass': 'string',
            'DBInstanceIdentifier': 'string',
            'EngineVersion': 'string',
            'MasterUserPassword': 'string',
            'MultiAZ': True|False,
            'Port': 123
        },
        'PreferredBackupWindow': 'string',
        'PreferredMaintenanceWindow': 'string',
        'PubliclyAccessible': True|False,
        'ReadReplicaDBInstanceIdentifiers': [
            'string',
        ],
        'ReadReplicaSourceDBInstanceIdentifier': 'string',
        'SecondaryAvailabilityZone': 'string',
        'StatusInfos': [
            {
                'Message': 'string',
                'Normal': True|False,
                'Status': 'string',
                'StatusType': 'string'
            },
        ],
        'VpcSecurityGroups': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBInstance** *(dict)* –
    - **AccountingType** *(string)* –
    - **AllocatedStorage** *(integer)* –
    - **AutoMinorVersionUpgrade** *(boolean)* –
    - **AvailabilityZone** *(string)* –
    - **BackupRetentionPeriod** *(integer)* –
    - **BinlogRetentionPeriod** *(integer)* –
    - **CACertificateIdentifier** *(string)* –
    - **DBInstanceClass** *(string)* –
    - **DBInstanceIdentifier** *(string)* –
    - **DBInstanceStatus** *(string)* –
    - **DBName** *(string)* –
    - **DBParameterGroups** *(list)* –
      - *(dict)* –
      - **DBParameterGroupName** *(string)* –
      - **ParameterApplyStatus** *(string)* –
    - **DBSecurityGroups** *(list)* –
      - *(dict)* –
      - **DBSecurityGroupName** *(string)* –
      - **Status** *(string)* –
    - **Endpoint** *(dict)* –
      - **Address** *(string)* –
      - **NiftyPrivateAddress** *(string)* –

        - **Port** *(integer)* –
    - **Engine** *(string)* –
    - **EngineVersion** *(string)* –
    - **ExternalReplicationInfo** *(dict)* –
        - **ExternalMasterAddress** *(string)* –
        - **ExternalReplicationMessage** *(string)* –
        - **ExternalReplicationStatus** *(string)* –
        - **ReplicationAddresses** *(list)* –
        - *(string)* –
        - **ReplicationPrivateAddresses** *(list)* –
        - *(string)* –
    - **InstanceCreateTime** *(datetime)* –
    - **LatestRestorableTime** *(datetime)* –
    - **LicenseModel** *(string)* –
    - **MasterUsername** *(string)* –
    - **MultiAZ** *(boolean)* –
    - **NextMonthAccountingType** *(string)* –
    - **NiftyMasterPrivateAddress** *(string)* –
    - **NiftyMultiAZType** *(string)* –
    - **NiftyNetworkId** *(string)* –
    - **NiftySlavePrivateAddress** *(string)* –
    - **NiftyStorageType** *(integer)* –
    - **OptionGroupMemberships** *(list)* –
        - *(dict)* –
        - **OptionGroupName** *(string)* –
        - **Status** *(string)* –
    - **PendingModifiedValues** *(dict)* –
        - **AllocatedStorage** *(integer)* –
        - **BackupRetentionPeriod** *(integer)* –
        - **DBInstanceClass** *(string)* –
        - **DBInstanceIdentifier** *(string)* –
        - **EngineVersion** *(string)* –
        - **MasterUserPassword** *(string)* –
        - **MultiAZ** *(boolean)* –
        - **Port** *(integer)* –
    - **PreferredBackupWindow** *(string)* –
    - **PreferredMaintenanceWindow** *(string)* –
    - **PubliclyAccessible** *(boolean)* –
    - **ReadReplicaDBInstanceIdentifiers** *(list)* –
        - *(string)* –
    - **ReadReplicaSourceDBInstanceIdentifier** *(string)* –
    - **SecondaryAvailabilityZone** *(string)* –
    - **StatusInfos** *(list)* –
        - *(dict)* –
        - **Message** *(string)* –
        - **Normal** *(boolean)* –
        - **Status** *(string)* –
        - **StatusType** *(string)* –
    - **VpcSecurityGroups** *(string)* –
- **ResponseMetadata** *(dict)* –
    - **RequestId** *(string)* –

rdb / Client / start_replication

start_replication

`rdb.Client.start_replication(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.start_replication(
    DBInstanceIdentifier='string'
)
```

Parameters **DBInstanceIdentifier** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'DBInstance': {
        'AccountingType': 'string',
        'AllocatedStorage': 123,
        'AutoMinorVersionUpgrade': True|False,
        'AvailabilityZone': 'string',
        'BackupRetentionPeriod': 123,
        'BinlogRetentionPeriod': 123,
        'CACertificateIdentifier': 'string',
        'DBInstanceClass': 'string',
        'DBInstanceIdentifier': 'string',
        'DBInstanceStatus': 'string',
        'DBName': 'string',
        'DBParameterGroups': [
            {
                'DBParameterGroupName': 'string',
                'ParameterApplyStatus': 'string'
            },
        ],
        'DBSecurityGroups': [
            {
                'DBSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'Endpoint': {
            'Address': 'string',
            'NiftyPrivateAddress': 'string',
            'Port': 123
        },
        'Engine': 'string',
        'EngineVersion': 'string',
        'ExternalReplicationInfo': {
            'ExternalMasterAddress': 'string',
            'ExternalReplicationMessage': 'string',
            'ExternalReplicationStatus': 'string',
            'ReplicationAddresses': [
                'string',
            ],
            'ReplicationPrivateAddresses': [
                'string',
```

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```
            ]
        },
        'InstanceCreateTime': datetime(2015, 1, 1),
        'LatestRestorableTime': datetime(2015, 1, 1),
        'LicenseModel': 'string',
        'MasterUsername': 'string',
        'MultiAZ': True|False,
        'NextMonthAccountingType': 'string',
        'NiftyMasterPrivateAddress': 'string',
        'NiftyMultiAZType': 'string',
        'NiftyNetworkId': 'string',
        'NiftySlavePrivateAddress': 'string',
        'NiftyStorageType': 123,
        'OptionGroupMemberships': [
            {
                'OptionGroupName': 'string',
                'Status': 'string'
            },
        ],
        'PendingModifiedValues': {
            'AllocatedStorage': 123,
            'BackupRetentionPeriod': 123,
            'DBInstanceClass': 'string',
            'DBInstanceIdentifier': 'string',
            'EngineVersion': 'string',
            'MasterUserPassword': 'string',
            'MultiAZ': True|False,
            'Port': 123
        },
        'PreferredBackupWindow': 'string',
        'PreferredMaintenanceWindow': 'string',
        'PubliclyAccessible': True|False,
        'ReadReplicaDBInstanceIdentifiers': [
            'string',
        ],
        'ReadReplicaSourceDBInstanceIdentifier': 'string',
        'SecondaryAvailabilityZone': 'string',
        'StatusInfos': [
            {
                'Message': 'string',
                'Normal': True|False,
                'Status': 'string',
                'StatusType': 'string'
            },
        ],
        'VpcSecurityGroups': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBInstance** *(dict)* –
    - **AccountingType** *(string)* –
    - **AllocatedStorage** *(integer)* –

- **AutoMinorVersionUpgrade** *(boolean)* –
- **AvailabilityZone** *(string)* –
- **BackupRetentionPeriod** *(integer)* –
- **BinlogRetentionPeriod** *(integer)* –
- **CACertificateIdentifier** *(string)* –
- **DBInstanceClass** *(string)* –
- **DBInstanceIdentifier** *(string)* –
- **DBInstanceStatus** *(string)* –
- **DBName** *(string)* –
- **DBParameterGroups** *(list)* –
  - *(dict)* –
  - **DBParameterGroupName** *(string)* –
  - **ParameterApplyStatus** *(string)* –
- **DBSecurityGroups** *(list)* –
  - *(dict)* –
  - **DBSecurityGroupName** *(string)* –
  - **Status** *(string)* –
- **Endpoint** *(dict)* –
  - **Address** *(string)* –
  - **NiftyPrivateAddress** *(string)* –
  - **Port** *(integer)* –
- **Engine** *(string)* –
- **EngineVersion** *(string)* –
- **ExternalReplicationInfo** *(dict)* –
  - **ExternalMasterAddress** *(string)* –
  - **ExternalReplicationMessage** *(string)* –
  - **ExternalReplicationStatus** *(string)* –
  - **ReplicationAddresses** *(list)* –
  - *(string)* –
  - **ReplicationPrivateAddresses** *(list)* –
  - *(string)* –
- **InstanceCreateTime** *(datetime)* –
- **LatestRestorableTime** *(datetime)* –
- **LicenseModel** *(string)* –
- **MasterUsername** *(string)* –
- **MultiAZ** *(boolean)* –
- **NextMonthAccountingType** *(string)* –
- **NiftyMasterPrivateAddress** *(string)* –
- **NiftyMultiAZType** *(string)* –
- **NiftyNetworkId** *(string)* –
- **NiftySlavePrivateAddress** *(string)* –
- **NiftyStorageType** *(integer)* –
- **OptionGroupMemberships** *(list)* –
  - *(dict)* –
  - **OptionGroupName** *(string)* –
  - **Status** *(string)* –
- **PendingModifiedValues** *(dict)* –
  - **AllocatedStorage** *(integer)* –
  - **BackupRetentionPeriod** *(integer)* –
  - **DBInstanceClass** *(string)* –
  - **DBInstanceIdentifier** *(string)* –
  - **EngineVersion** *(string)* –
  - **MasterUserPassword** *(string)* –
  - **MultiAZ** *(boolean)* –

- · **Port** *(integer)* –
  - * **PreferredBackupWindow** *(string)* –
  - * **PreferredMaintenanceWindow** *(string)* –
  - * **PubliclyAccessible** *(boolean)* –
  - * **ReadReplicaDBInstanceIdentifiers** *(list)* –
    - · *(string)* –
  - * **ReadReplicaSourceDBInstanceIdentifier** *(string)* –
  - * **SecondaryAvailabilityZone** *(string)* –
  - * **StatusInfos** *(list)* –
    - · *(dict)* –
    - · **Message** *(string)* –
    - · **Normal** *(boolean)* –
    - · **Status** *(string)* –
    - · **StatusType** *(string)* –
  - * **VpcSecurityGroups** *(string)* –
- – **ResponseMetadata** *(dict)* –
  - * **RequestId** *(string)* –

rdb / Client / stop_replication

stop_replication

`rdb.Client.`**`stop_replication`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.stop_replication(
    DBInstanceIdentifier='string'
)
```

Parameters **`DBInstanceIdentifier`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'DBInstance': {
        'AccountingType': 'string',
        'AllocatedStorage': 123,
        'AutoMinorVersionUpgrade': True|False,
        'AvailabilityZone': 'string',
        'BackupRetentionPeriod': 123,
        'BinlogRetentionPeriod': 123,
        'CACertificateIdentifier': 'string',
        'DBInstanceClass': 'string',
        'DBInstanceIdentifier': 'string',
        'DBInstanceStatus': 'string',
        'DBName': 'string',
        'DBParameterGroups': [
            {
                'DBParameterGroupName': 'string',
                'ParameterApplyStatus': 'string'
            },
        ],
```

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```
        'DBSecurityGroups': [
            {
                'DBSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'Endpoint': {
            'Address': 'string',
            'NiftyPrivateAddress': 'string',
            'Port': 123
        },
        'Engine': 'string',
        'EngineVersion': 'string',
        'ExternalReplicationInfo': {
            'ExternalMasterAddress': 'string',
            'ExternalReplicationMessage': 'string',
            'ExternalReplicationStatus': 'string',
            'ReplicationAddresses': [
                'string',
            ],
            'ReplicationPrivateAddresses': [
                'string',
            ]
        },
        'InstanceCreateTime': datetime(2015, 1, 1),
        'LatestRestorableTime': datetime(2015, 1, 1),
        'LicenseModel': 'string',
        'MasterUsername': 'string',
        'MultiAZ': True|False,
        'NextMonthAccountingType': 'string',
        'NiftyMasterPrivateAddress': 'string',
        'NiftyMultiAZType': 'string',
        'NiftyNetworkId': 'string',
        'NiftySlavePrivateAddress': 'string',
        'NiftyStorageType': 123,
        'OptionGroupMemberships': [
            {
                'OptionGroupName': 'string',
                'Status': 'string'
            },
        ],
        'PendingModifiedValues': {
            'AllocatedStorage': 123,
            'BackupRetentionPeriod': 123,
            'DBInstanceClass': 'string',
            'DBInstanceIdentifier': 'string',
            'EngineVersion': 'string',
            'MasterUserPassword': 'string',
            'MultiAZ': True|False,
            'Port': 123
        },
        'PreferredBackupWindow': 'string',
        'PreferredMaintenanceWindow': 'string',
        'PubliclyAccessible': True|False,
        'ReadReplicaDBInstanceIdentifiers': [
            'string',
        ],
```

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```
        'ReadReplicaSourceDBInstanceIdentifier': 'string',
        'SecondaryAvailabilityZone': 'string',
        'StatusInfos': [
            {
                'Message': 'string',
                'Normal': True|False,
                'Status': 'string',
                'StatusType': 'string'
            },
        ],
        'VpcSecurityGroups': 'string'
    },
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBInstance** *(dict)* –
    - **AccountingType** *(string)* –
    - **AllocatedStorage** *(integer)* –
    - **AutoMinorVersionUpgrade** *(boolean)* –
    - **AvailabilityZone** *(string)* –
    - **BackupRetentionPeriod** *(integer)* –
    - **BinlogRetentionPeriod** *(integer)* –
    - **CACertificateIdentifier** *(string)* –
    - **DBInstanceClass** *(string)* –
    - **DBInstanceIdentifier** *(string)* –
    - **DBInstanceStatus** *(string)* –
    - **DBName** *(string)* –
    - **DBParameterGroups** *(list)* –
      - *(dict)* –
      - **DBParameterGroupName** *(string)* –
      - **ParameterApplyStatus** *(string)* –
    - **DBSecurityGroups** *(list)* –
      - *(dict)* –
      - **DBSecurityGroupName** *(string)* –
      - **Status** *(string)* –
    - **Endpoint** *(dict)* –
      - **Address** *(string)* –
      - **NiftyPrivateAddress** *(string)* –
      - **Port** *(integer)* –
    - **Engine** *(string)* –
    - **EngineVersion** *(string)* –
    - **ExternalReplicationInfo** *(dict)* –
      - **ExternalMasterAddress** *(string)* –
      - **ExternalReplicationMessage** *(string)* –
      - **ExternalReplicationStatus** *(string)* –
      - **ReplicationAddresses** *(list)* –
      - *(string)* –
      - **ReplicationPrivateAddresses** *(list)* –
      - *(string)* –
    - **InstanceCreateTime** *(datetime)* –

- **LatestRestorableTime** *(datetime)* –
- **LicenseModel** *(string)* –
- **MasterUsername** *(string)* –
- **MultiAZ** *(boolean)* –
- **NextMonthAccountingType** *(string)* –
- **NiftyMasterPrivateAddress** *(string)* –
- **NiftyMultiAZType** *(string)* –
- **NiftyNetworkId** *(string)* –
- **NiftySlavePrivateAddress** *(string)* –
- **NiftyStorageType** *(integer)* –
- **OptionGroupMemberships** *(list)* –
  - *(dict)* –
  - **OptionGroupName** *(string)* –
  - **Status** *(string)* –
- **PendingModifiedValues** *(dict)* –
  - **AllocatedStorage** *(integer)* –
  - **BackupRetentionPeriod** *(integer)* –
  - **DBInstanceClass** *(string)* –
  - **DBInstanceIdentifier** *(string)* –
  - **EngineVersion** *(string)* –
  - **MasterUserPassword** *(string)* –
  - **MultiAZ** *(boolean)* –
  - **Port** *(integer)* –
- **PreferredBackupWindow** *(string)* –
- **PreferredMaintenanceWindow** *(string)* –
- **PubliclyAccessible** *(boolean)* –
- **ReadReplicaDBInstanceIdentifiers** *(list)* –
  - *(string)* –
- **ReadReplicaSourceDBInstanceIdentifier** *(string)* –
- **SecondaryAvailabilityZone** *(string)* –
- **StatusInfos** *(list)* –
  - *(dict)* –
  - **Message** *(string)* –
  - **Normal** *(boolean)* –
  - **Status** *(string)* –
  - **StatusType** *(string)* –
- **VpcSecurityGroups** *(string)* –

– **ResponseMetadata** *(dict)* –
- **RequestId** *(string)* –

rdb / Client / upgrade_db_engine_version

upgrade_db_engine_version

`rdb.Client.`**`upgrade_db_engine_version`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.upgrade_db_engine_version(
    AllowMajorVersionUpgrade=True|False,
    DBInstanceIdentifier='string',
    DBParameterGroupName='string',
    EngineVersion='string',
```

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```
    PreUpgradeDBSnapshotIdentifier='string',
    SkipPreUpgradeSnapshot=True|False
)
```

Parameters

- **AllowMajorVersionUpgrade** (*boolean*) –
- **DBInstanceIdentifier** (*string*) – **[REQUIRED]**
- **DBParameterGroupName** (*string*) –
- **EngineVersion** (*string*) – **[REQUIRED]**
- **PreUpgradeDBSnapshotIdentifier** (*string*) –
- **SkipPreUpgradeSnapshot** (*boolean*) –

Return type dict

Returns

Response Syntax

```
{
    'DBInstance': {
        'AccountingType': 'string',
        'AllocatedStorage': 123,
        'AutoMinorVersionUpgrade': True|False,
        'AvailabilityZone': 'string',
        'BackupRetentionPeriod': 123,
        'BinlogRetentionPeriod': 123,
        'CACertificateIdentifier': 'string',
        'DBInstanceClass': 'string',
        'DBInstanceIdentifier': 'string',
        'DBInstanceStatus': 'string',
        'DBName': 'string',
        'DBParameterGroups': [
            {
                'DBParameterGroupName': 'string',
                'ParameterApplyStatus': 'string'
            },
        ],
        'DBSecurityGroups': [
            {
                'DBSecurityGroupName': 'string',
                'Status': 'string'
            },
        ],
        'Endpoint': {
            'Address': 'string',
            'NiftyPrivateAddress': 'string',
            'Port': 123
        },
        'Engine': 'string',
        'EngineVersion': 'string',
        'ExternalReplicationInfo': {
            'ExternalMasterAddress': 'string',
            'ExternalReplicationMessage': 'string',
            'ExternalReplicationStatus': 'string',
            'ReplicationAddresses': [
                'string',
            ],
            'ReplicationPrivateAddresses': [
```

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```
                'string',
            ]
        },
        'InstanceCreateTime': datetime(2015, 1, 1),
        'LatestRestorableTime': datetime(2015, 1, 1),
        'LicenseModel': 'string',
        'MasterUsername': 'string',
        'MultiAZ': True|False,
        'NextMonthAccountingType': 'string',
        'NiftyMasterPrivateAddress': 'string',
        'NiftyMultiAZType': 'string',
        'NiftyNetworkId': 'string',
        'NiftySlavePrivateAddress': 'string',
        'NiftyStorageType': 123,
        'OptionGroupMemberships': [
            {
                'OptionGroupName': 'string',
                'Status': 'string'
            },
        ],
        'PendingModifiedValues': {
            'AllocatedStorage': 123,
            'BackupRetentionPeriod': 123,
            'DBInstanceClass': 'string',
            'DBInstanceIdentifier': 'string',
            'EngineVersion': 'string',
            'MasterUserPassword': 'string',
            'MultiAZ': True|False,
            'Port': 123
        },
        'PreferredBackupWindow': 'string',
        'PreferredMaintenanceWindow': 'string',
        'PubliclyAccessible': True|False,
        'ReadReplicaDBInstanceIdentifiers': [
            'string',
        ],
        'ReadReplicaSourceDBInstanceIdentifier': 'string',
        'SecondaryAvailabilityZone': 'string',
        'StatusInfos': [
            {
                'Message': 'string',
                'Normal': True|False,
                'Status': 'string',
                'StatusType': 'string'
            },
        ],
        'VpcSecurityGroups': 'string'
    },
    'Marker': 'string',
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **DBInstance** *(dict)* –

- **AccountingType** *(string)* –
- **AllocatedStorage** *(integer)* –
- **AutoMinorVersionUpgrade** *(boolean)* –
- **AvailabilityZone** *(string)* –
- **BackupRetentionPeriod** *(integer)* –
- **BinlogRetentionPeriod** *(integer)* –
- **CACertificateIdentifier** *(string)* –
- **DBInstanceClass** *(string)* –
- **DBInstanceIdentifier** *(string)* –
- **DBInstanceStatus** *(string)* –
- **DBName** *(string)* –
- **DBParameterGroups** *(list)* –
  - *(dict)* –
  - **DBParameterGroupName** *(string)* –
  - **ParameterApplyStatus** *(string)* –
- **DBSecurityGroups** *(list)* –
  - *(dict)* –
  - **DBSecurityGroupName** *(string)* –
  - **Status** *(string)* –
- **Endpoint** *(dict)* –
  - **Address** *(string)* –
  - **NiftyPrivateAddress** *(string)* –
  - **Port** *(integer)* –
- **Engine** *(string)* –
- **EngineVersion** *(string)* –
- **ExternalReplicationInfo** *(dict)* –
  - **ExternalMasterAddress** *(string)* –
  - **ExternalReplicationMessage** *(string)* –
  - **ExternalReplicationStatus** *(string)* –
  - **ReplicationAddresses** *(list)* –
  - *(string)* –
  - **ReplicationPrivateAddresses** *(list)* –
  - *(string)* –
- **InstanceCreateTime** *(datetime)* –
- **LatestRestorableTime** *(datetime)* –
- **LicenseModel** *(string)* –
- **MasterUsername** *(string)* –
- **MultiAZ** *(boolean)* –
- **NextMonthAccountingType** *(string)* –
- **NiftyMasterPrivateAddress** *(string)* –
- **NiftyMultiAZType** *(string)* –
- **NiftyNetworkId** *(string)* –
- **NiftySlavePrivateAddress** *(string)* –
- **NiftyStorageType** *(integer)* –
- **OptionGroupMemberships** *(list)* –
  - *(dict)* –
  - **OptionGroupName** *(string)* –
  - **Status** *(string)* –
- **PendingModifiedValues** *(dict)* –
  - **AllocatedStorage** *(integer)* –
  - **BackupRetentionPeriod** *(integer)* –
  - **DBInstanceClass** *(string)* –
  - **DBInstanceIdentifier** *(string)* –
  - **EngineVersion** *(string)* –

            - **MasterUserPassword** *(string)* –
            - **MultiAZ** *(boolean)* –
            - **Port** *(integer)* –
        - **PreferredBackupWindow** *(string)* –
        - **PreferredMaintenanceWindow** *(string)* –
        - **PubliclyAccessible** *(boolean)* –
        - **ReadReplicaDBInstanceIdentifiers** *(list)* –
            - *(string)* –
        - **ReadReplicaSourceDBInstanceIdentifier** *(string)* –
        - **SecondaryAvailabilityZone** *(string)* –
        - **StatusInfos** *(list)* –
            - *(dict)* –
            - **Message** *(string)* –
            - **Normal** *(boolean)* –
            - **Status** *(string)* –
            - **StatusType** *(string)* –
        - **VpcSecurityGroups** *(string)* –
    - **Marker** *(string)* –
    - **ResponseMetadata** *(dict)* –
        - **RequestId** *(string)* –

1.6.2 Client Exceptions

Client exceptions are available on a client instance via the `exceptions` property. For more detailed instructions and examples on the exact usage of client exceptions, see the error handling user guide.

This client has no modeled exception classes.

1.6.3 Waiters

Waiters are available on a client instance via the `get_waiter` method. For more detailed instructions and examples on the usage or waiters, see the waiters user guide.

The available waiters are:

rdb / Waiter / DBInstanceAvailable

DBInstanceAvailable

class `rdb.Waiter.`**`DBInstanceAvailable`**

```
waiter = client.get_waiter('db_instance_available')
```

wait(***kwargs*)

Polls *`rdb.Client.describe_db_instances()`* every 40 seconds until a successful state is reached. An error is returned after 80 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    DBInstanceIdentifier='string',
    Filter='string',
    FilterName='string',
    FilterValue='string',
    Filters=[
        'string',
    ],
    Marker='string',
    MaxRecords=123,
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **DBInstanceIdentifier** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –
  - *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 40
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 80

Returns None

rdb / Waiter / DBInstanceDeleted

DBInstanceDeleted

class rdb.Waiter.**DBInstanceDeleted**

```
waiter = client.get_waiter('db_instance_deleted')
```

wait(***kwargs*)

Polls `rdb.Client.describe_db_instances()` every 40 seconds until a successful state is reached. An error is returned after 80 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    DBInstanceIdentifier='string',
    Filter='string',
    FilterName='string',
```

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```
    FilterValue='string',
    Filters=[
        'string',
    ],
    Marker='string',
    MaxRecords=123,
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **DBInstanceIdentifier** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –
  - *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 40
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 80

Returns None

rdb / Waiter / DBInstanceExists

DBInstanceExists

class rdb.Waiter.**DBInstanceExists**

```
waiter = client.get_waiter('db_instance_exists')
```

wait(***kwargs*)

Polls *rdb.Client.describe_db_instances()* every 40 seconds until a successful state is reached. An error is returned after 80 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    DBInstanceIdentifier='string',
    Filter='string',
    FilterName='string',
    FilterValue='string',
    Filters=[
        'string',
    ],
```

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```
    Marker='string',
    MaxRecords=123,
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **DBInstanceIdentifier** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –
  - *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 40
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 80

Returns None

rdb / Waiter / DBInstanceFailed

DBInstanceFailed

class rdb.Waiter.**DBInstanceFailed**

```
waiter = client.get_waiter('db_instance_failed')
```

wait (***kwargs*)

Polls *rdb.Client.describe_db_instances()* every 40 seconds until a successful state is reached. An error is returned after 80 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    DBInstanceIdentifier='string',
    Filter='string',
    FilterName='string',
    FilterValue='string',
    Filters=[
        'string',
    ],
    Marker='string',
    MaxRecords=123,
    WaiterConfig={
        'Delay': 123,
```

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```
        'MaxAttempts': 123
    }
)
```

Parameters

- **DBInstanceIdentifier** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –
  - *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 40
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 80

Returns None

rdb / Waiter / DBInstanceStorageFull

DBInstanceStorageFull

class rdb.Waiter.**DBInstanceStorageFull**

```
waiter = client.get_waiter('db_instance_storage_full')
```

wait(***kwargs*)

Polls *rdb.Client.describe_db_instances()* every 40 seconds until a successful state is reached. An error is returned after 80 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    DBInstanceIdentifier='string',
    Filter='string',
    FilterName='string',
    FilterValue='string',
    Filters=[
        'string',
    ],
    Marker='string',
    MaxRecords=123,
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **DBInstanceIdentifier** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –
  - *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 40
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 80

Returns None

rdb / Waiter / DBSecurityGroupDeleted

DBSecurityGroupDeleted

class rdb.Waiter.**DBSecurityGroupDeleted**

```
waiter = client.get_waiter('db_security_group_deleted')
```

wait (***kwargs*)

Polls *rdb.Client.describe_db_security_groups()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    DBSecurityGroupName='string',
    Filter='string',
    FilterName='string',
    FilterValue='string',
    Filters=[
        'string',
    ],
    Marker='string',
    MaxRecords=123,
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **DBSecurityGroupName** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –

- *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

rdb / Waiter / DBSecurityGroupEC2SecurityGroupsAuthFailed

DBSecurityGroupEC2SecurityGroupsAuthFailed

class rdb.Waiter.**DBSecurityGroupEC2SecurityGroupsAuthFailed**

```
waiter = client.get_waiter('db_security_group_ec2_security_groups_auth_failed')
```

wait (***kwargs*)

Polls *rdb.Client.describe_db_security_groups()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    DBSecurityGroupName='string',
    Filter='string',
    FilterName='string',
    FilterValue='string',
    Filters=[
        'string',
    ],
    Marker='string',
    MaxRecords=123,
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **DBSecurityGroupName** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –
  - *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.

- **Delay** *(integer)* –

  The amount of time in seconds to wait between attempts. Default: 20
- **MaxAttempts** *(integer)* –

  The maximum number of attempts to be made. Default: 40

Returns None

rdb / Waiter / DBSecurityGroupEC2SecurityGroupsAuthorized

DBSecurityGroupEC2SecurityGroupsAuthorized

class rdb.Waiter.**DBSecurityGroupEC2SecurityGroupsAuthorized**

```
waiter = client.get_waiter('db_security_group_ec2_security_groups_authorized')
```

wait(***kwargs*)

Polls `rdb.Client.describe_db_security_groups()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    DBSecurityGroupName='string',
    Filter='string',
    FilterName='string',
    FilterValue='string',
    Filters=[
        'string',
    ],
    Marker='string',
    MaxRecords=123,
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **DBSecurityGroupName** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –
  - *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

rdb / Waiter / DBSecurityGroupEC2SecurityGroupsEmptied

DBSecurityGroupEC2SecurityGroupsEmptied

class rdb.Waiter.**DBSecurityGroupEC2SecurityGroupsEmptied**

```
waiter = client.get_waiter('db_security_group_ec2_security_groups_emptied')
```

wait(***kwargs*)

Polls *rdb.Client.describe_db_security_groups()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    DBSecurityGroupName='string',
    Filter='string',
    FilterName='string',
    FilterValue='string',
    Filters=[
        'string',
    ],
    Marker='string',
    MaxRecords=123,
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **DBSecurityGroupName** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –
  - *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

rdb / Waiter / DBSecurityGroupEC2SecurityGroupsRevokeFailed

DBSecurityGroupEC2SecurityGroupsRevokeFailed

class rdb.Waiter.**DBSecurityGroupEC2SecurityGroupsRevokeFailed**

```
waiter = client.get_waiter('db_security_group_ec2_security_groups_revoke_failed')
```

wait(***kwargs*)

Polls *rdb.Client.describe_db_security_groups()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    DBSecurityGroupName='string',
    Filter='string',
    FilterName='string',
    FilterValue='string',
    Filters=[
        'string',
    ],
    Marker='string',
    MaxRecords=123,
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **DBSecurityGroupName** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –
  - *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

rdb / Waiter / DBSecurityGroupExists

DBSecurityGroupExists

class rdb.Waiter.**DBSecurityGroupExists**

```
waiter = client.get_waiter('db_security_group_exists')
```

wait (***kwargs*)

Polls *rdb.Client.describe_db_security_groups()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    DBSecurityGroupName='string',
    Filter='string',
    FilterName='string',
    FilterValue='string',
    Filters=[
        'string',
    ],
    Marker='string',
    MaxRecords=123,
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **DBSecurityGroupName** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –
  - *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

rdb / Waiter / DBSecurityGroupIPRangesAuthFailed

DBSecurityGroupIPRangesAuthFailed

class rdb.Waiter.**DBSecurityGroupIPRangesAuthFailed**

```
waiter = client.get_waiter('db_security_group_ip_ranges_auth_failed')
```

wait (***kwargs*)

Polls *rdb.Client.describe_db_security_groups()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    DBSecurityGroupName='string',
    Filter='string',
    FilterName='string',
    FilterValue='string',
    Filters=[
        'string',
    ],
    Marker='string',
    MaxRecords=123,
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **DBSecurityGroupName** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –
  - *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

rdb / Waiter / DBSecurityGroupIPRangesAuthorized

DBSecurityGroupIPRangesAuthorized

class rdb.Waiter.**DBSecurityGroupIPRangesAuthorized**

```
waiter = client.get_waiter('db_security_group_ip_ranges_authorized')
```

wait(***kwargs*)

Polls `rdb.Client.describe_db_security_groups()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    DBSecurityGroupName='string',
    Filter='string',
    FilterName='string',
    FilterValue='string',
    Filters=[
        'string',
    ],
    Marker='string',
    MaxRecords=123,
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **DBSecurityGroupName** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –
  - *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

rdb / Waiter / DBSecurityGroupIPRangesEmptied

DBSecurityGroupIPRangesEmptied

class rdb.Waiter.**DBSecurityGroupIPRangesEmptied**

```
waiter = client.get_waiter('db_security_group_ip_ranges_emptied')
```

wait(***kwargs*)

Polls *rdb.Client.describe_db_security_groups()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    DBSecurityGroupName='string',
    Filter='string',
    FilterName='string',
```

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```
    FilterValue='string',
    Filters=[
        'string',
    ],
    Marker='string',
    MaxRecords=123,
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **DBSecurityGroupName** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –
  - *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

rdb / Waiter / DBSecurityGroupIPRangesRevokeFailed

DBSecurityGroupIPRangesRevokeFailed

class rdb.Waiter.**DBSecurityGroupIPRangesRevokeFailed**

```
waiter = client.get_waiter('db_security_group_ip_ranges_revoke_failed')
```

wait(***kwargs*)

Polls *rdb.Client.describe_db_security_groups()* every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: AWS API Documentation

Request Syntax

```
waiter.wait(
    DBSecurityGroupName='string',
    Filter='string',
    FilterName='string',
    FilterValue='string',
    Filters=[
        'string',
    ],
```

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```
    Marker='string',
    MaxRecords=123,
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **DBSecurityGroupName** (*string*) –
- **Filter** (*string*) –
- **FilterName** (*string*) –
- **FilterValue** (*string*) –
- **Filters** (*list*) –
  - *(string)* –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
  - **Delay** *(integer)* –

    The amount of time in seconds to wait between attempts. Default: 20
  - **MaxAttempts** *(integer)* –

    The maximum number of attempts to be made. Default: 40

Returns None

1.7 script

1.7.1 Client

class `script.`**`Client`**

A low-level client representing NIFCLOUD Script

```
client = session.create_client('script')
```

These are the available methods:

script / Client / can_paginate

can_paginate

`script.Client.`**`can_paginate`**(*operation_name*)

Check if an operation can be paginated.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Returns `True` if the operation can be paginated, `False` otherwise.

script / Client / close

close

`script.Client.close()`

Closes underlying endpoint connections.

script / Client / execute_script

execute_script

`script.Client.execute_script(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.execute_script(
    Body='string',
    Header='string',
    Method='string',
    Query='string',
    ScriptIdentifier='string'
)
```

Parameters

- **Body** (*string*) –
- **Header** (*string*) –
- **Method** (*string*) – **[REQUIRED]**
- **Query** (*string*) –
- **ScriptIdentifier** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Result': {
        'RequestBody': 'string',
        'RequestHeader': 'string',
        'RequestQuery': 'string',
        'ResponseData': 'string',
        'ResponseHeader': 'string',
        'ResponseStatus': 123,
        'ScriptIdentifier': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **Result** *(dict)* –
    - **RequestBody** *(string)* –
    - **RequestHeader** *(string)* –
    - **RequestQuery** *(string)* –
    - **ResponseData** *(string)* –
    - **ResponseHeader** *(string)* –
    - **ResponseStatus** *(integer)* –
    - **ScriptIdentifier** *(string)* –

script / Client / get_paginator

get_paginator

`script.Client.`**`get_paginator`**(*operation_name*)

Create a paginator for an operation.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Raises **OperationNotPageableError** – Raised if the operation is not pageable. You can use the `client.can_paginate` method to check if an operation is pageable.

Return type L{botocore.paginate.Paginator}

Returns A paginator object.

script / Client / get_waiter

get_waiter

`script.Client.`**`get_waiter`**(*waiter_name*)

Returns an object that can wait for some condition.

Parameters **waiter_name** (*str*) – The name of the waiter to get. See the waiters section of the service docs for a list of available waiters.

Returns The specified waiter object.

Return type botocore.waiter.Waiter

1.7.2 Client Exceptions

Client exceptions are available on a client instance via the `exceptions` property. For more detailed instructions and examples on the exact usage of client exceptions, see the error handling user guide.

This client has no modeled exception classes.

1.8 serviceactivity

1.8.1 Client

class `serviceactivity.`**`Client`**

A low-level client representing NIFCLOUD Service Activity (service-activity)

```
client = session.create_client('service-activity')
```

These are the available methods:

serviceactivity / Client / can_paginate

can_paginate

`serviceactivity.Client.`**`can_paginate`**(*operation_name*)

Check if an operation can be paginated.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Returns `True` if the operation can be paginated, `False` otherwise.

serviceactivity / Client / close

close

`serviceactivity.Client.`**`close`**`()`

Closes underlying endpoint connections.

serviceactivity / Client / describe_event_attributes

describe_event_attributes

`serviceactivity.Client.`**`describe_event_attributes`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_event_attributes(
    Location='string',
    Mode='user'|'all',
    YearMonth='string'
)
```

Parameters

- **Location** (*string*) –
- **Mode** (*string*) –
- **YearMonth** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Data': {
        'Event': [
            {
                'AffectedService': [
                    {
                        'EndAt': 'string',
                        'Influence': 'string',
                        'Location': 'string',
                        'Menu': 'string',
                        'Number': 123,
                        'Resource': [
                            {
                                'DiskName': 'string',
                                'ResourceName': 'string',
                                'ResourceType': 'string'
                            },
                        ],
```

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```
                        'Service': 'string',
                        'StartAt': 'string',
                        'Status': 'string'
                    },
                ],
                'EndAt': 'string',
                'EventHistory': [
                    {
                        'Date': 'string',
                        'Message': 'string'
                    },
                ],
                'EventID': 'string',
                'EventStatus': 'string',
                'StartAt': 'string'
            },
        ],
        'Mode': 'string',
        'TargetDate': 'string'
    },
    'Datetime': 'string',
    'RequestID': 'string'
}
```

Response Structure

- *(dict)* –
  - **Data** *(dict)* –
    - **Event** *(list)* –
      - *(dict)* –
      - **AffectedService** *(list)* –
      - *(dict)* –
      - **EndAt** *(string)* –
      - **Influence** *(string)* –
      - **Location** *(string)* –
      - **Menu** *(string)* –
      - **Number** *(integer)* –
      - **Resource** *(list)* –
      - *(dict)* –
      - **DiskName** *(string)* –
      - **ResourceName** *(string)* –
      - **ResourceType** *(string)* –
      - **Service** *(string)* –
      - **StartAt** *(string)* –
      - **Status** *(string)* –
      - **EndAt** *(string)* –
      - **EventHistory** *(list)* –
      - *(dict)* –
      - **Date** *(string)* –
      - **Message** *(string)* –
      - **EventID** *(string)* –
      - **EventStatus** *(string)* –
      - **StartAt** *(string)* –
    - **Mode** *(string)* –
    - **TargetDate** *(string)* –
  - **Datetime** *(string)* –

– **RequestID** *(string)* –

serviceactivity / Client / describe_event_calendar

describe_event_calendar

`serviceactivity.Client.`**`describe_event_calendar`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_event_calendar(
    Mode='user'|'all',
    YearMonth='string'
)
```

Parameters

- **`Mode`** (*`string`*) –
- **`YearMonth`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Data': {
        'Calendar': [
            {
                'CancelMaintenance': 'string',
                'CompletedMaintenance': 'string',
                'Day': 'string',
                'DayOfWeek': 'string',
                'Information': 'string',
                'Maintenance': 'string',
                'NoTroubleImpact': 'string',
                'RecoveredTrouble': 'string',
                'Trouble': 'string'
            },
        ],
        'Mode': 'string',
        'TargetDate': 'string'
    },
    'Datetime': 'string',
    'RequestID': 'string'
}
```

Response Structure

- *(dict)* –
  - **Data** *(dict)* –
    - **Calendar** *(list)* –
      - *(dict)* –
      - **CancelMaintenance** *(string)* –
      - **CompletedMaintenance** *(string)* –
      - **Day** *(string)* –
      - **DayOfWeek** *(string)* –
      - **Information** *(string)* –
      - **Maintenance** *(string)* –

- · **NoTroubleImpact** *(string)* –
- · **RecoveredTrouble** *(string)* –
- · **Trouble** *(string)* –
- ∗ **Mode** *(string)* –
- ∗ **TargetDate** *(string)* –
- – **Datetime** *(string)* –
- – **RequestID** *(string)* –

serviceactivity / Client / describe_service_statuses

describe_service_statuses

`serviceactivity.Client.`**`describe_service_statuses`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.describe_service_statuses(
    Mode='user'|'all'
)
```

Parameters **`Mode`** (*`string`*) –

Return type dict

Returns

Response Syntax

```
{
    'Data': {
        'ServiceMenu': [
            {
                'MaintenanceStatus': 'string',
                'Name': 'string',
                'NormalStatus': 'string',
                'Services': [
                    {
                        'Name': 'string',
                        'Statuses': [
                            {
                                'Location': 'string',
                                'MaintenanceStatus': 'string',
                                'NormalStatus': 'string',
                                'TroubleStatus': 'string'
                            },
                        ]
                    },
                ],
                'TroubleStatus': 'string'
            },
        ]
    },
    'Datetime': 'string',
    'RequestID': 'string'
}
```

Response Structure

- *(dict)* –
  - – **Data** *(dict)* –

* **ServiceMenu** *(list)* –
  - *(dict)* –
  - **MaintenanceStatus** *(string)* –
  - **Name** *(string)* –
  - **NormalStatus** *(string)* –
  - **Services** *(list)* –
  - *(dict)* –
  - **Name** *(string)* –
  - **Statuses** *(list)* –
  - *(dict)* –
  - **Location** *(string)* –
  - **MaintenanceStatus** *(string)* –
  - **NormalStatus** *(string)* –
  - **TroubleStatus** *(string)* –
  - **TroubleStatus** *(string)* –
- **Datetime** *(string)* –
- **RequestID** *(string)* –

serviceactivity / Client / get_paginator

get_paginator

`serviceactivity.Client.`**`get_paginator`**(*operation_name*)

Create a paginator for an operation.

Parameters **`operation_name`** (*`string`*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Raises **`OperationNotPageableError`** – Raised if the operation is not pageable. You can use the `client.can_paginate` method to check if an operation is pageable.

Return type L{botocore.paginate.Paginator}

Returns A paginator object.

serviceactivity / Client / get_waiter

get_waiter

`serviceactivity.Client.`**`get_waiter`**(*waiter_name*)

Returns an object that can wait for some condition.

Parameters **`waiter_name`** (*`str`*) – The name of the waiter to get. See the waiters section of the service docs for a list of available waiters.

Returns The specified waiter object.

Return type botocore.waiter.Waiter

1.8.2 Client Exceptions

Client exceptions are available on a client instance via the `exceptions` property. For more detailed instructions and examples on the exact usage of client exceptions, see the error handling user guide.

This client has no modeled exception classes.

1.9 storage

1.9.1 Client

class storage.**Client**

A low-level client representing NIFCLOUD Object Storage Service

```
client = session.create_client('storage')
```

These are the available methods:

storage / Client / abort_multipart_upload

abort_multipart_upload

storage.Client.**abort_multipart_upload**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.abort_multipart_upload(
    Bucket='string',
    Object='string',
    UploadId='string'
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **Object** (*string*) – **[REQUIRED]**
- **UploadId** (*string*) – **[REQUIRED]**

Returns None

storage / Client / can_paginate

can_paginate

storage.Client.**can_paginate**(*operation_name*)

Check if an operation can be paginated.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Returns `True` if the operation can be paginated, `False` otherwise.

storage / Client / close

close

storage.Client.**close**()

Closes underlying endpoint connections.

storage / Client / complete_multipart_upload

complete_multipart_upload

`storage.Client.complete_multipart_upload(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.complete_multipart_upload(
    Bucket='string',
    CompleteMultipartUpload={
        'ListOfRequestPart': [
            {
                'ETag': 'string',
                'PartNumber': 123
            },
        ]
    },
    Object='string',
    UploadId='string'
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **CompleteMultipartUpload** (*dict*) – **[REQUIRED]**
  - **ListOfRequestPart** *(list)* – **[REQUIRED]**
    - *(dict)* –
      - **ETag** *(string)* – **[REQUIRED]**
      - **PartNumber** *(integer)* – **[REQUIRED]**
- **Object** (*string*) – **[REQUIRED]**
- **UploadId** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Bucket': 'string',
    'ContentType': 'string',
    'ETag': 'string',
    'Key': 'string',
    'Location': 'string',
    'XAmzExpiration': 'string',
    'XAmzServerSideEncryption': 'string',
    'XAmzServerSideEncryptionAwsKmsKeyId': 'string',
    'XAmzServerSideEncryptionCustomerAlgorithm': 'string',
    'XAmzVersionId': 'string'
}
```

Response Structure

- *(dict)* –
  - **Bucket** *(string)* –
  - **ContentType** *(string)* –
  - **ETag** *(string)* –
  - **Key** *(string)* –
  - **Location** *(string)* –
  - **XAmzExpiration** *(string)* –
  - **XAmzServerSideEncryption** *(string)* –

- **XAmzServerSideEncryptionAwsKmsKeyId** *(string)* –
- **XAmzServerSideEncryptionCustomerAlgorithm** *(string)* –
- **XAmzVersionId** *(string)* –

storage / Client / delete_bucket

delete_bucket

`storage.Client.`**`delete_bucket`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_bucket(
    Bucket='string'
)
```

Parameters **Bucket** (*string*) – **[REQUIRED]**

Returns None

storage / Client / delete_bucket_cors

delete_bucket_cors

`storage.Client.`**`delete_bucket_cors`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_bucket_cors(
    Bucket='string'
)
```

Parameters **Bucket** (*string*) – **[REQUIRED]**

Returns None

storage / Client / delete_bucket_lifecycle

delete_bucket_lifecycle

`storage.Client.`**`delete_bucket_lifecycle`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_bucket_lifecycle(
    Bucket='string'
)
```

Parameters **Bucket** (*string*) – **[REQUIRED]**

Returns None

storage / Client / delete_bucket_policy

delete_bucket_policy

`storage.Client.`**`delete_bucket_policy`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_bucket_policy(
    Bucket='string'
)
```

Parameters **Bucket** (*string*) – **[REQUIRED]**

Returns None

storage / Client / delete_bucket_tagging

delete_bucket_tagging

`storage.Client.`**`delete_bucket_tagging`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_bucket_tagging(
    Bucket='string'
)
```

Parameters **Bucket** (*string*) – **[REQUIRED]**

Returns None

storage / Client / delete_multiple_objects

delete_multiple_objects

`storage.Client.`**`delete_multiple_objects`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_multiple_objects(
    Bucket='string',
    ContentMd5='string',
    Delete={
        'ListOfRequestObject': [
            {
                'Key': 'string',
                'Quiet': True|False,
                'VersionId': 'string'
            },
        ]
    }
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **ContentMd5** (*string*) – **[REQUIRED]**
- **Delete** (*dict*) – **[REQUIRED]**

- **ListOfRequestObject** *(list)* – **[REQUIRED]**
  - *(dict)* –
    - **Key** *(string)* – **[REQUIRED]**
    - **Quiet** *(boolean)* –
    - **VersionId** *(string)* –

Return type dict

Returns

Response Syntax

```
{
    'ContentType': 'string',
    'Deleted': [
        {
            'Key': 'string',
            'VersionId': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –
  - **ContentType** *(string)* –
  - **Deleted** *(list)* –
    - *(dict)* –
      - **Key** *(string)* –
      - **VersionId** *(string)* –

storage / Client / delete_object

delete_object

`storage.Client.`**`delete_object`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_object(
    Bucket='string',
    Object='string',
    VersionId='string'
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **Object** (*string*) – **[REQUIRED]**
- **VersionId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'XAmzVersionId': 'string'
}
```

Response Structure

- *(dict)* –
  - **XAmzVersionId** *(string)* –

storage / Client / delete_object_tagging

delete_object_tagging

`storage.Client.`**`delete_object_tagging`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.delete_object_tagging(
    Bucket='string',
    Object='string',
    VersionId='string'
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **Object** (*string*) – **[REQUIRED]**
- **VersionId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'XAmzVersionId': 'string'
}
```

Response Structure

- *(dict)* –
  - **XAmzVersionId** *(string)* –

storage / Client / get_bucket

get_bucket

`storage.Client.`**`get_bucket`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_bucket(
    Bucket='string',
    Delimiter='string',
    EncodingType='string',
    Marker='string',
    MaxKeys='string',
    Prefix='string'
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **Delimiter** (*string*) –
- **EncodingType** (*string*) –

- **Marker** (*string*) –
- **MaxKeys** (*string*) –
- **Prefix** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'CommonPrefixes': 'string',
    'ContentType': 'string',
    'Contents': [
        {
            'DisplayName': 'string',
            'ETag': 'string',
            'ID': 'string',
            'Key': 'string',
            'LastModified': datetime(2015, 1, 1),
            'Owner': {
                'DisplayName': 'string',
                'ID': 'string'
            },
            'Size': 'string',
            'StorageClass': 'string'
        },
    ],
    'Delimiter': 'string',
    'EncodingType': 'string',
    'IsTruncated': True|False,
    'Marker': 'string',
    'MaxKeys': 'string',
    'Name': 'string',
    'NextMarker': 'string',
    'Prefix': 'string'
}
```

Response Structure

- *(dict)* –
  - **CommonPrefixes** *(string)* –
  - **ContentType** *(string)* –
  - **Contents** *(list)* –
    - *(dict)* –
      - **DisplayName** *(string)* –
      - **ETag** *(string)* –
      - **ID** *(string)* –
      - **Key** *(string)* –
      - **LastModified** *(datetime)* –
      - **Owner** *(dict)* –
      - **DisplayName** *(string)* –
      - **ID** *(string)* –
      - **Size** *(string)* –
      - **StorageClass** *(string)* –
  - **Delimiter** *(string)* –
  - **EncodingType** *(string)* –
  - **IsTruncated** *(boolean)* –
  - **Marker** *(string)* –
  - **MaxKeys** *(string)* –

- **Name** *(string)* –
- **NextMarker** *(string)* –
- **Prefix** *(string)* –

storage / Client / get_bucket_acl

get_bucket_acl

`storage.Client.get_bucket_acl(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_bucket_acl(
    Bucket='string'
)
```

Parameters **Bucket** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'AccessControlList': [
        {
            'Grantee': {
                'DisplayName': 'string',
                'ID': 'string'
            },
            'Permission': 'string'
        },
    ],
    'ContentType': 'string',
    'Owner': {
        'DisplayName': 'string',
        'ID': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **AccessControlList** *(list)* –
    - *(dict)* –
      - **Grantee** *(dict)* –
      - **DisplayName** *(string)* –
      - **ID** *(string)* –
      - **Permission** *(string)* –
  - **ContentType** *(string)* –
  - **Owner** *(dict)* –
    - **DisplayName** *(string)* –
    - **ID** *(string)* –

storage / Client / get_bucket_consistency

get_bucket_consistency

`storage.Client.get_bucket_consistency(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_bucket_consistency(
    Bucket='string'
)
```

Parameters **Bucket** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Consistency': 'string',
    'ContentType': 'string'
}
```

Response Structure

- *(dict)* –
  - **Consistency** *(string)* –
  - **ContentType** *(string)* –

storage / Client / get_bucket_cors

get_bucket_cors

`storage.Client.get_bucket_cors(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_bucket_cors(
    Bucket='string'
)
```

Parameters **Bucket** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'CORSRule': [
        {
            'AllowedHeader': 'string',
            'AllowedMethod': [
                'string',
            ],
            'AllowedOrigin': 'string',
            'ExposeHeader': 'string',
            'MaxAgeSeconds': 123
        },
```

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```
    ],
    'ContentType': 'string'
}
```

Response Structure

- *(dict)* –
  - **CORSRule** *(list)* –
    - *(dict)* –
      - **AllowedHeader** *(string)* –
      - **AllowedMethod** *(list)* –
      - *(string)* –
      - **AllowedOrigin** *(string)* –
      - **ExposeHeader** *(string)* –
      - **MaxAgeSeconds** *(integer)* –
  - **ContentType** *(string)* –

storage / Client / get_bucket_lifecycle_configuration

get_bucket_lifecycle_configuration

`storage.Client.`**`get_bucket_lifecycle_configuration`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_bucket_lifecycle_configuration(
    Bucket='string'
)
```

Parameters **`Bucket`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Rule': {
        'Expiration': {
            'Date': datetime(2015, 1, 1),
            'Days': 123
        },
        'Filter': {
            'And': {
                'Tag': {
                    'Key': 'string',
                    'Value': 'string'
                }
            }
        },
        'ID': 'string',
        'NoncurrentVersionExpiration': {
            'NoncurrentDays': 123
        },
        'Prefix': 'string',
        'Status': 'string'
```

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```
    }
}
```

Response Structure

- *(dict)* –
  - **Rule** *(dict)* –
    - **Expiration** *(dict)* –
      - **Date** *(datetime)* –
      - **Days** *(integer)* –
    - **Filter** *(dict)* –
      - **And** *(dict)* –
      - **Tag** *(dict)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
    - **ID** *(string)* –
    - **NoncurrentVersionExpiration** *(dict)* –
      - **NoncurrentDays** *(integer)* –
    - **Prefix** *(string)* –
    - **Status** *(string)* –

storage / Client / get_bucket_object_versions

get_bucket_object_versions

`storage.Client.`**`get_bucket_object_versions`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_bucket_object_versions(
    Bucket='string',
    Delimiter='string',
    EncodingType='string',
    KeyMarker='string',
    MaxKeys='string',
    Prefix='string',
    VersionIdMarker='string'
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **Delimiter** (*string*) –
- **EncodingType** (*string*) –
- **KeyMarker** (*string*) –
- **MaxKeys** (*string*) –
- **Prefix** (*string*) –
- **VersionIdMarker** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'ContentType': 'string',
```

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```
    'IsTruncated': True|False,
    'KeyMarker': 'string',
    'MaxKeys': 'string',
    'Name': 'string',
    'Prefix': 'string',
    'Version': [
        {
            'DisplayName': 'string',
            'ETag': 'string',
            'ID': 'string',
            'IsLatest': True|False,
            'Key': 'string',
            'LastModified': datetime(2015, 1, 1),
            'Owner': {
                'DisplayName': 'string',
                'ID': 'string'
            },
            'Size': 'string',
            'StorageClass': 'string',
            'VersionId': 'string'
        },
    ],
    'VersionIdMarker': 'string'
}
```

Response Structure

- *(dict)* –
  - **ContentType** *(string)* –
  - **IsTruncated** *(boolean)* –
  - **KeyMarker** *(string)* –
  - **MaxKeys** *(string)* –
  - **Name** *(string)* –
  - **Prefix** *(string)* –
  - **Version** *(list)* –
    - *(dict)* –
      - **DisplayName** *(string)* –
      - **ETag** *(string)* –
      - **ID** *(string)* –
      - **IsLatest** *(boolean)* –
      - **Key** *(string)* –
      - **LastModified** *(datetime)* –
      - **Owner** *(dict)* –
      - **DisplayName** *(string)* –
      - **ID** *(string)* –
      - **Size** *(string)* –
      - **StorageClass** *(string)* –
      - **VersionId** *(string)* –
  - **VersionIdMarker** *(string)* –

storage / Client / get_bucket_policy

get_bucket_policy

`storage.Client.get_bucket_policy(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_bucket_policy(
    Bucket='string'
)
```

Parameters **Bucket** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'ContentType': 'string',
    'Policy': 'string'
}
```

Response Structure

- *(dict)* –
  - **ContentType** *(string)* –
  - **Policy** *(string)* –

storage / Client / get_bucket_tagging

get_bucket_tagging

`storage.Client.get_bucket_tagging(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_bucket_tagging(
    Bucket='string'
)
```

Parameters **Bucket** (*string*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'ContentType': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ]
}
```

Response Structure

- *(dict)* –

- **ContentType** *(string)* –
- **TagSet** *(list)* –
  - *(dict)* –
    - **Key** *(string)* –
    - **Value** *(string)* –

storage / Client / get_bucket_version2

get_bucket_version2

`storage.Client.`**`get_bucket_version2`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_bucket_version2(
    Bucket='string',
    ContinuationToken='string',
    Delimiter='string',
    EncodingType='string',
    FetchOwner='string',
    ListType='string',
    Marker='string',
    MaxKeys='string',
    Prefix='string',
    StartAfter='string'
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **ContinuationToken** (*string*) –
- **Delimiter** (*string*) –
- **EncodingType** (*string*) –
- **FetchOwner** (*string*) –
- **ListType** (*string*) – **[REQUIRED]**
- **Marker** (*string*) –
- **MaxKeys** (*string*) –
- **Prefix** (*string*) –
- **StartAfter** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'CommonPrefixes': 'string',
    'ContentType': 'string',
    'Contents': [
        {
            'DisplayName': 'string',
            'ETag': 'string',
            'ID': 'string',
            'Key': 'string',
            'LastModified': datetime(2015, 1, 1),
            'Owner': {
                'DisplayName': 'string',
```

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```
                'ID': 'string'
            },
            'Size': 'string',
            'StorageClass': 'string'
        },
    ],
    'ContinuationToken': 'string',
    'Delimiter': 'string',
    'EncodingType': 'string',
    'IsTruncated': True|False,
    'KeyCount': 'string',
    'MaxKeys': 'string',
    'Name': 'string',
    'NextContinuationToken': 'string',
    'Prefix': 'string',
    'StartAfter': 'string'
}
```

Response Structure

- *(dict)* –
  - **CommonPrefixes** *(string)* –
  - **ContentType** *(string)* –
  - **Contents** *(list)* –
    - *(dict)* –
      - **DisplayName** *(string)* –
      - **ETag** *(string)* –
      - **ID** *(string)* –
      - **Key** *(string)* –
      - **LastModified** *(datetime)* –
      - **Owner** *(dict)* –
      - **DisplayName** *(string)* –
      - **ID** *(string)* –
      - **Size** *(string)* –
      - **StorageClass** *(string)* –
  - **ContinuationToken** *(string)* –
  - **Delimiter** *(string)* –
  - **EncodingType** *(string)* –
  - **IsTruncated** *(boolean)* –
  - **KeyCount** *(string)* –
  - **MaxKeys** *(string)* –
  - **Name** *(string)* –
  - **NextContinuationToken** *(string)* –
  - **Prefix** *(string)* –
  - **StartAfter** *(string)* –

storage / Client / get_bucket_versioning

get_bucket_versioning

`storage.Client.`**`get_bucket_versioning`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_bucket_versioning(
    Bucket='string'
)
```

Parameters **Bucket** (*string*) – **[REQUIRED]**
Return type dict
Returns

Response Syntax

```
{
    'ContentType': 'string',
    'Status': 'string'
}
```

Response Structure

- *(dict)* –
  - **ContentType** *(string)* –
  - **Status** *(string)* –

storage / Client / get_object

get_object

`storage.Client.get_object(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_object(
    Bucket='string',
    Object='string',
    PartNumber='string',
    Range='string',
    ResponseContentDisposition='string',
    ResponseContentEncoding='string',
    ResponseContentType='string',
    VersionId='string',
    XAmzServerSideEncryptionCustomerAlgorithm='AES256',
    XAmzServerSideEncryptionCustomerKey='string',
    XAmzServerSideEncryptionCustomerKeyMd5='string'
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **Object** (*string*) – **[REQUIRED]**
- **PartNumber** (*string*) –
- **Range** (*string*) –
- **ResponseContentDisposition** (*string*) –
- **ResponseContentEncoding** (*string*) –
- **ResponseContentType** (*string*) –
- **VersionId** (*string*) –
- **XAmzServerSideEncryptionCustomerAlgorithm** (*string*) –
- **XAmzServerSideEncryptionCustomerKey** (*string*) –
- **XAmzServerSideEncryptionCustomerKeyMd5** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'AcceptRanges': 'string',
    'Body': StreamingBody(),
    'ContentRange': 'string',
    'ContentType': 'string',
    'ETag': 'string',
    'LastModified': 'string',
    'XAmzExpiration': 'string',
    'XAmzMpPartsCount': 'string',
    'XAmzServerSideEncryption': 'string'
}
```

Response Structure

- *(dict)* –
  - **AcceptRanges** *(string)* –
  - **Body** (`StreamingBody`) –
  - **ContentRange** *(string)* –
  - **ContentType** *(string)* –
  - **ETag** *(string)* –
  - **LastModified** *(string)* –
  - **XAmzExpiration** *(string)* –
  - **XAmzMpPartsCount** *(string)* –
  - **XAmzServerSideEncryption** *(string)* –

storage / Client / get_object_acl

get_object_acl

`storage.Client.`**`get_object_acl`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_object_acl(
    Bucket='string',
    Object='string',
    VersionId='string'
)
```

Parameters

- **`Bucket`** (*`string`*) – **[REQUIRED]**
- **`Object`** (*`string`*) – **[REQUIRED]**
- **`VersionId`** (*`string`*) –

Return type dict

Returns

Response Syntax

```
{
    'AccessControlList': {
        'Grant': {
            'Grantee': {
                'DisplayName': 'string',
```

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```
                'ID': 'string'
            },
            'Permission': 'string'
        }
    },
    'ContentType': 'string',
    'Owner': {
        'DisplayName': 'string',
        'ID': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **AccessControlList** *(dict)* –
    - **Grant** *(dict)* –
      - **Grantee** *(dict)* –
      - **DisplayName** *(string)* –
      - **ID** *(string)* –
      - **Permission** *(string)* –
  - **ContentType** *(string)* –
  - **Owner** *(dict)* –
    - **DisplayName** *(string)* –
    - **ID** *(string)* –

storage / Client / get_object_tagging

get_object_tagging

`storage.Client.`**`get_object_tagging`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_object_tagging(
    Bucket='string',
    Object='string',
    VersionId='string'
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **Object** (*string*) – **[REQUIRED]**
- **VersionId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'ContentType': 'string',
    'TagSet': {
        'Tag': {
            'Key': 'string',
            'Value': 'string'
```

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```
        }
    },
    'XAmzVersionId': 'string'
}
```

Response Structure

- *(dict)* –
  - **ContentType** *(string)* –
  - **TagSet** *(dict)* –
    - **Tag** *(dict)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
  - **XAmzVersionId** *(string)* –

storage / Client / get_paginator

get_paginator

`storage.Client.`**`get_paginator`**`(`*`operation_name`*`)`

Create a paginator for an operation.

Parameters **`operation_name`** (*`string`*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Raises **`OperationNotPageableError`** – Raised if the operation is not pageable. You can use the `client.can_paginate` method to check if an operation is pageable.

Return type L{botocore.paginate.Paginator}

Returns A paginator object.

storage / Client / get_service

get_service

`storage.Client.`**`get_service`**`()`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.get_service()
```

Return type dict

Returns

Response Syntax

```
{
    'Buckets': [
        {
            'CreationDate': datetime(2015, 1, 1),
            'Name': 'string'
        },
    ],
    'Owner': {
```

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```
        'DisplayName': 'string',
        'ID': 'string'
    }
}
```

Response Structure

- *(dict)* –
  - **Buckets** *(list)* –
    - *(dict)* –
      - **CreationDate** *(datetime)* –
      - **Name** *(string)* –
  - **Owner** *(dict)* –
    - **DisplayName** *(string)* –
    - **ID** *(string)* –

storage / Client / get_waiter

get_waiter

`storage.Client.`**`get_waiter`**`(`*waiter_name*`)`

Returns an object that can wait for some condition.

Parameters **`waiter_name`** (*`str`*) – The name of the waiter to get. See the waiters section of the service docs for a list of available waiters.

Returns The specified waiter object.

Return type botocore.waiter.Waiter

storage / Client / head_bucket

head_bucket

`storage.Client.`**`head_bucket`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.head_bucket(
    Bucket='string'
)
```

Parameters **`Bucket`** (*`string`*) – **[REQUIRED]**

Returns None

storage / Client / head_object

head_object

`storage.Client.`**`head_object`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.head_object(
    Bucket='string',
    ConsistencyControl='string',
    Object='string',
    PartNumber='string',
    VersionId='string',
    XAmzServerSideEncryptionCustomerAlgorithm='AES256',
    XAmzServerSideEncryptionCustomerKey='string',
    XAmzServerSideEncryptionCustomerKeyMd5='string'
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **ConsistencyControl** (*string*) –
- **Object** (*string*) – **[REQUIRED]**
- **PartNumber** (*string*) –
- **VersionId** (*string*) –
- **XAmzServerSideEncryptionCustomerAlgorithm** (*string*) –
- **XAmzServerSideEncryptionCustomerKey** (*string*) –
- **XAmzServerSideEncryptionCustomerKeyMd5** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'AcceptRanges': 'string',
    'ContentType': 'string',
    'ETag': 'string',
    'LastModified': 'string',
    'XAmzExpiration': 'string',
    'XAmzMpPartsCount': 'string',
    'XAmzServerSideEncryption': 'string',
    'XAmzVersionId': 'string'
}
```

Response Structure

- *(dict)* –
  - **AcceptRanges** *(string)* –
  - **ContentType** *(string)* –
  - **ETag** *(string)* –
  - **LastModified** *(string)* –
  - **XAmzExpiration** *(string)* –
  - **XAmzMpPartsCount** *(string)* –
  - **XAmzServerSideEncryption** *(string)* –
  - **XAmzVersionId** *(string)* –

storage / Client / initiate_multipart_upload

initiate_multipart_upload

`storage.Client.initiate_multipart_upload(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.initiate_multipart_upload(
    Bucket='string',
    ContentDisposition='string',
    ContentEncoding='string',
    ContentType='string',
    Object='string',
    XAmzMeta='string',
    XAmzServerSideEncryption='string',
    XAmzServerSideEncryptionCustomerAlgorithm='AES256',
    XAmzServerSideEncryptionCustomerKey='string',
    XAmzServerSideEncryptionCustomerKeyMd5='string',
    XAmzStorageClass='STANDARD'|'REDUCED_REDUNDANCY',
    XAmzTagging='COPY'|'REPLACE'
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **ContentDisposition** (*string*) –
- **ContentEncoding** (*string*) –
- **ContentType** (*string*) –
- **Object** (*string*) – **[REQUIRED]**
- **XAmzMeta** (*string*) –
- **XAmzServerSideEncryption** (*string*) –
- **XAmzServerSideEncryptionCustomerAlgorithm** (*string*) –
- **XAmzServerSideEncryptionCustomerKey** (*string*) –
- **XAmzServerSideEncryptionCustomerKeyMd5** (*string*) –
- **XAmzStorageClass** (*string*) –
- **XAmzTagging** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'Bucket': 'string',
    'ContentType': 'string',
    'Key': 'string',
    'UploadId': 'string'
}
```

Response Structure

- *(dict)* –
  - **Bucket** *(string)* –
  - **ContentType** *(string)* –
  - **Key** *(string)* –
  - **UploadId** *(string)* –

storage / Client / list_multipart_uploads

list_multipart_uploads

`storage.Client.`**`list_multipart_uploads`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.list_multipart_uploads(
    Bucket='string',
    EncodingType='string',
    KeyMarker='string',
    MaxUploads=123,
    Prefix='string',
    UploadIdMarker='string'
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **EncodingType** (*string*) –
- **KeyMarker** (*string*) –
- **MaxUploads** (*integer*) –
- **Prefix** (*string*) –
- **UploadIdMarker** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'Bucket': 'string',
    'ContentType': 'string',
    'IsTruncated': True|False,
    'KeyMarker': 'string',
    'MaxUploads': 123,
    'NextKeyMarker': 'string',
    'NextUploadIdMarker': 'string',
    'Upload': [
        {
            'DisplayName': 'string',
            'ID': 'string',
            'Initiated': datetime(2015, 1, 1),
            'Initiator': {
                'DisplayName': 'string',
                'ID': 'string'
            },
            'Key': 'string',
            'Owner': {
                'DisplayName': 'string',
                'ID': 'string'
            },
            'StorageClass': 'string',
            'UploadId': 'string'
        },
    ],
    'UploadIdMarker': 'string'
}
```

Response Structure

- *(dict)* –
  - **Bucket** *(string)* –
  - **ContentType** *(string)* –
  - **IsTruncated** *(boolean)* –
  - **KeyMarker** *(string)* –
  - **MaxUploads** *(integer)* –

- **NextKeyMarker** *(string)* –
- **NextUploadIdMarker** *(string)* –
- **Upload** *(list)* –
  - *(dict)* –
    - **DisplayName** *(string)* –
    - **ID** *(string)* –
    - **Initiated** *(datetime)* –
    - **Initiator** *(dict)* –
    - **DisplayName** *(string)* –
    - **ID** *(string)* –
    - **Key** *(string)* –
    - **Owner** *(dict)* –
    - **DisplayName** *(string)* –
    - **ID** *(string)* –
    - **StorageClass** *(string)* –
    - **UploadId** *(string)* –
- **UploadIdMarker** *(string)* –

storage / Client / list_parts

list_parts

`storage.Client.`**`list_parts`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.list_parts(
    Bucket='string',
    EncodingType='string',
    MaxParts='string',
    Object='string',
    PartNumberMarker='string',
    UploadId='string'
)
```

Parameters

- **`Bucket`** (*`string`*) – **[REQUIRED]**
- **`EncodingType`** (*`string`*) –
- **`MaxParts`** (*`string`*) –
- **`Object`** (*`string`*) – **[REQUIRED]**
- **`PartNumberMarker`** (*`string`*) –
- **`UploadId`** (*`string`*) – **[REQUIRED]**

Return type dict

Returns

Response Syntax

```
{
    'Bucket': 'string',
    'ContentType': 'string',
    'EncodingType': 'string',
    'Initiator': {
        'DisplayName': 'string',
        'ID': 'string'
    },
```

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```
    'IsTruncated': True|False,
    'Key': 'string',
    'MaxParts': 123,
    'NextPartNumberMarker': 123,
    'Owner': {
        'DisplayName': 'string',
        'ID': 'string'
    },
    'Part': [
        {
            'ETag': 'string',
            'LastModified': datetime(2015, 1, 1),
            'PartNumber': 123,
            'Size': 123
        },
    ],
    'PartNumberMarker': 123,
    'StorageClass': 'string',
    'UploadId': 'string'
}
```

Response Structure

- *(dict)* –
  - **Bucket** *(string)* –
  - **ContentType** *(string)* –
  - **EncodingType** *(string)* –
  - **Initiator** *(dict)* –
    - **DisplayName** *(string)* –
    - **ID** *(string)* –
  - **IsTruncated** *(boolean)* –
  - **Key** *(string)* –
  - **MaxParts** *(integer)* –
  - **NextPartNumberMarker** *(integer)* –
  - **Owner** *(dict)* –
    - **DisplayName** *(string)* –
    - **ID** *(string)* –
  - **Part** *(list)* –
    - *(dict)* –
      - **ETag** *(string)* –
      - **LastModified** *(datetime)* –
      - **PartNumber** *(integer)* –
      - **Size** *(integer)* –
  - **PartNumberMarker** *(integer)* –
  - **StorageClass** *(string)* –
  - **UploadId** *(string)* –

storage / Client / put_bucket

put_bucket

`storage.Client.put_bucket(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.put_bucket(
    Bucket='string'
)
```

Parameters **Bucket** (*string*) – **[REQUIRED]**
Return type dict
Returns

Response Syntax

```
{
    'Location': 'string'
}
```

Response Structure
- *(dict)* –
  - **Location** *(string)* –

storage / Client / put_bucket_consistency

put_bucket_consistency

`storage.Client.`**`put_bucket_consistency`**(***kwargs*)
See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.put_bucket_consistency(
    Bucket='string',
    XNtapSgConsistency='read-after-new-write'|'available'
)
```

Parameters
- **Bucket** (*string*) – **[REQUIRED]**
- **XNtapSgConsistency** (*string*) – **[REQUIRED]**

Return type dict
Returns

Response Syntax

```
{
    'ComtentType': 'string'
}
```

Response Structure
- *(dict)* –
  - **ComtentType** *(string)* –

storage / Client / put_bucket_cors

put_bucket_cors

`storage.Client.`**`put_bucket_cors`**(***kwargs*)
See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.put_bucket_cors(
    Bucket='string',
    CORSConfiguration={
        'ListOfRequestCORSRule': [
            {
                'AllowedHeader': 'string',
                'AllowedOrigin': 'string',
                'ExposeHeader': 'string',
                'ID': 'string',
                'ListOfRequestAllowedMethod': [
                    'string',
                ],
                'MaxAgeSeconds': 123
            },
        ]
    }
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **CORSConfiguration** (*dict*) – **[REQUIRED]**
  - **ListOfRequestCORSRule** *(list)* – **[REQUIRED]**
    - *(dict)* –
      - **AllowedHeader** *(string)* –
      - **AllowedOrigin** *(string)* – **[REQUIRED]**
      - **ExposeHeader** *(string)* –
      - **ID** *(string)* –
      - **ListOfRequestAllowedMethod** *(list)* – **[REQUIRED]**
      - *(string)* –
      - **MaxAgeSeconds** *(integer)* –

Returns None

storage / Client / put_bucket_lifecycle_configuration

put_bucket_lifecycle_configuration

`storage.Client.`**`put_bucket_lifecycle_configuration`**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.put_bucket_lifecycle_configuration(
    Bucket='string',
    LifecycleConfiguration={
        'ListOfRequestRule': [
            {
                'ID': 'string',
                'Prefix': 'string',
                'RequestExpiration': {
                    'Date': datetime(2015, 1, 1),
                    'Days': 123
                },
                'RequestFilter': {
                    'RequestAnd': {
                        'RequestTag': {
                            'Key': 'string',
```

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```
                            'Value': 'string'
                        }
                    }
                },
                'RequestNoncurrentVersionExpiration': {
                    'NoncurrentDays': 123
                },
                'Status': 'Enabled'|'Disabled'
            },
        ]
    }
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **LifecycleConfiguration** (*dict*) – **[REQUIRED]**
  - **ListOfRequestRule** *(list)* – **[REQUIRED]**
    - *(dict)* –
      - **ID** *(string)* – **[REQUIRED]**
      - **Prefix** *(string)* –
      - **RequestExpiration** *(dict)* –
      - **Date** *(datetime)* –
      - **Days** *(integer)* –
      - **RequestFilter** *(dict)* –
      - **RequestAnd** *(dict)* –
      - **RequestTag** *(dict)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
      - **RequestNoncurrentVersionExpiration** *(dict)* –
      - **NoncurrentDays** *(integer)* –
      - **Status** *(string)* –

Returns None

storage / Client / put_bucket_policy

put_bucket_policy

`storage.Client.`**`put_bucket_policy`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.put_bucket_policy(
    Bucket='string',
    ContentMd5='string',
    Policy='string'
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **ContentMd5** (*string*) –
- **Policy** (*string*) –

Returns None

storage / Client / put_bucket_tagging

put_bucket_tagging

`storage.Client.put_bucket_tagging(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.put_bucket_tagging(
    Bucket='string',
    ContentMd5='string',
    Tagging={
        'ListOfRequestTagSet': [
            {
                'RequestTag': {
                    'Key': 'string',
                    'Value': 'string'
                }
            },
        ]
    }
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **ContentMd5** (*string*) –
- **Tagging** (*dict*) –
  - **ListOfRequestTagSet** *(list)* –
    - *(dict)* –
      - **RequestTag** *(dict)* –
      - **Key** *(string)* –
      - **Value** *(string)* –

Returns None

storage / Client / put_bucket_versioning

put_bucket_versioning

`storage.Client.put_bucket_versioning(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.put_bucket_versioning(
    Bucket='string',
    ContentMd5='string',
    VersioningConfiguration={
        'Status': 'Suspended'|'Enabled'
    }
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **ContentMd5** (*string*) –
- **VersioningConfiguration** (*dict*) –
  - **Status** *(string)* –

Returns None

storage / Client / put_object

put_object

`storage.Client.put_object(**kwargs)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.put_object(
    Body=b'bytes'|file,
    Bucket='string',
    ContentDisposition='string',
    ContentEncoding='aws-chunked',
    ContentMd5='string',
    ContentType='string',
    Object='string',
    XAmzMeta='string',
    XAmzServerSideEncryption='AES256',
    XAmzServerSideEncryptionCustomerAlgorithm='AES256',
    XAmzServerSideEncryptionCustomerKey='string',
    XAmzServerSideEncryptionCustomerKeyMd5='string',
    XAmzStorageClass='STANDARD'|'REDUCED_REDUNDANCY',
    XAmzTagging='string'
)
```

Parameters

- **Body** (*bytes or seekable file-like object*) –
- **Bucket** (*string*) – **[REQUIRED]**
- **ContentDisposition** (*string*) –
- **ContentEncoding** (*string*) –
- **ContentMd5** (*string*) –
- **ContentType** (*string*) –
- **Object** (*string*) – **[REQUIRED]**
- **XAmzMeta** (*string*) –
- **XAmzServerSideEncryption** (*string*) –
- **XAmzServerSideEncryptionCustomerAlgorithm** (*string*) –
- **XAmzServerSideEncryptionCustomerKey** (*string*) –
- **XAmzServerSideEncryptionCustomerKeyMd5** (*string*) –
- **XAmzStorageClass** (*string*) –
- **XAmzTagging** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'ETag': 'string',
    'XAmzVersionId': 'string'
}
```

Response Structure

- *(dict)* –
  - **ETag** *(string)* –
  - **XAmzVersionId** *(string)* –

storage / Client / put_object_copy

put_object_copy

storage.Client.**put_object_copy**(***kwargs*)

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.put_object_copy(
    Bucket='string',
    Object='string',
    XAmzCopySource='string',
    XAmzCopySourceIfMatch='string',
    XAmzCopySourceIfModifiedSince='string',
    XAmzCopySourceIfNoneMatch='string',
    XAmzCopySourceIfUnmodifiedSince='string',
    XAmzCopySourceServerSideEncryptionCustomerAlgorithm='AES256',
    XAmzCopySourceServerSideEncryptionCustomerKey='string',
    XAmzCopySourceServerSideEncryptionCustomerKeyMd5='string',
    XAmzMetadataDirective='COPY'|'REPLACE',
    XAmzServerSideEncryption='string',
    XAmzServerSideEncryptionCustomerAlgorithm='AES256',
    XAmzServerSideEncryptionCustomerKey='string',
    XAmzServerSideEncryptionCustomerKeyMd5='string',
    XAmzStorageClass='STANDARD'|'REDUCED_REDUNDANCY',
    XAmzTagging='string',
    XAmzTaggingDirective='COPY'|'REPLACE'
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **Object** (*string*) – **[REQUIRED]**
- **XAmzCopySource** (*string*) – **[REQUIRED]**
- **XAmzCopySourceIfMatch** (*string*) –
- **XAmzCopySourceIfModifiedSince** (*string*) –
- **XAmzCopySourceIfNoneMatch** (*string*) –
- **XAmzCopySourceIfUnmodifiedSince** (*string*) –
- **XAmzCopySourceServerSideEncryptionCustomerAlgorithm** (*string*) –
- **XAmzCopySourceServerSideEncryptionCustomerKey** (*string*) –
- **XAmzCopySourceServerSideEncryptionCustomerKeyMd5** (*string*) –
- **XAmzMetadataDirective** (*string*) –
- **XAmzServerSideEncryption** (*string*) –
- **XAmzServerSideEncryptionCustomerAlgorithm** (*string*) –
- **XAmzServerSideEncryptionCustomerKey** (*string*) –
- **XAmzServerSideEncryptionCustomerKeyMd5** (*string*) –
- **XAmzStorageClass** (*string*) –
- **XAmzTagging** (*string*) –
- **XAmzTaggingDirective** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'ContentType': 'string',
    'ETag': 'string',
```

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```
    'LastModified': datetime(2015, 1, 1)
}
```

Response Structure

- *(dict)* –
  - **ContentType** *(string)* –
  - **ETag** *(string)* –
  - **LastModified** *(datetime)* –

storage / Client / put_object_tagging

put_object_tagging

`storage.Client.`**`put_object_tagging`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.put_object_tagging(
    Bucket='string',
    ContentMd5='string',
    Object='string',
    Tagging={
        'RequestTagSet': {
            'RequestTag': {
                'Key': 'string',
                'Value': 'string'
            }
        }
    },
    VersionId='string'
)
```

Parameters

- **`Bucket`** *(`string`)* – **[REQUIRED]**
- **`ContentMd5`** *(`string`)* –
- **`Object`** *(`string`)* – **[REQUIRED]**
- **`Tagging`** *(`dict`)* –
  - **RequestTagSet** *(dict)* –
    - **RequestTag** *(dict)* –
      - **Key** *(string)* –
      - **Value** *(string)* –
- **`VersionId`** *(`string`)* –

Return type dict

Returns

Response Syntax

```
{
    'XAmzVersionId': 'string'
}
```

Response Structure

- *(dict)* –
  - **XAmzVersionId** *(string)* –

storage / Client / upload_part

upload_part

`storage.Client.`**`upload_part`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.upload_part(
    Body=b'bytes'|file,
    Bucket='string',
    ContentMd5='string',
    Object='string',
    PartNumber='string',
    UploadId='string',
    XAmzServerSideEncryptionCustomerAlgorithm='AES256',
    XAmzServerSideEncryptionCustomerKey='string',
    XAmzServerSideEncryptionCustomerKeyMd5='string'
)
```

Parameters

- **Body** (*bytes or seekable file-like object*) –
- **Bucket** (*string*) – **[REQUIRED]**
- **ContentMd5** (*string*) –
- **Object** (*string*) – **[REQUIRED]**
- **PartNumber** (*string*) – **[REQUIRED]**
- **UploadId** (*string*) – **[REQUIRED]**
- **XAmzServerSideEncryptionCustomerAlgorithm** (*string*) –
- **XAmzServerSideEncryptionCustomerKey** (*string*) –
- **XAmzServerSideEncryptionCustomerKeyMd5** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'ETag': 'string'
}
```

Response Structure

- *(dict)* –
  - **ETag** *(string)* –

storage / Client / upload_part_copy

upload_part_copy

`storage.Client.`**`upload_part_copy`**`(`***kwargs*`)`

See also: NIFCLOUD API Documentation

Request Syntax

```
response = client.upload_part_copy(
    Bucket='string',
    Object='string',
```

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```
    PartNumber='string',
    UploadId='string',
    XAmzCopySource='string',
    XAmzCopySourceIfMatch='string',
    XAmzCopySourceIfModifiedSince='string',
    XAmzCopySourceIfNoneMatch='string',
    XAmzCopySourceIfUnmodifiedSince='string',
    XAmzCopySourceRange='string',
    XAmzCopySourceServerSideEncryptionCustomerAlgorithm='AES256',
    XAmzCopySourceServerSideEncryptionCustomerKey='string',
    XAmzCopySourceServerSideEncryptionCustomerKeyMd5='string',
    XAmzServerSideEncryptionCustomerAlgorithm='AES256',
    XAmzServerSideEncryptionCustomerKey='string',
    XAmzServerSideEncryptionCustomerKeyMd5='string'
)
```

Parameters

- **Bucket** (*string*) – **[REQUIRED]**
- **Object** (*string*) – **[REQUIRED]**
- **PartNumber** (*string*) – **[REQUIRED]**
- **UploadId** (*string*) – **[REQUIRED]**
- **XAmzCopySource** (*string*) – **[REQUIRED]**
- **XAmzCopySourceIfMatch** (*string*) –
- **XAmzCopySourceIfModifiedSince** (*string*) –
- **XAmzCopySourceIfNoneMatch** (*string*) –
- **XAmzCopySourceIfUnmodifiedSince** (*string*) –
- **XAmzCopySourceRange** (*string*) –
- **XAmzCopySourceServerSideEncryptionCustomerAlgorithm** (*string*) –
- **XAmzCopySourceServerSideEncryptionCustomerKey** (*string*) –
- **XAmzCopySourceServerSideEncryptionCustomerKeyMd5** (*string*) –
- **XAmzServerSideEncryptionCustomerAlgorithm** (*string*) –
- **XAmzServerSideEncryptionCustomerKey** (*string*) –
- **XAmzServerSideEncryptionCustomerKeyMd5** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'ContentType': 'string',
    'ETag': 'string',
    'LastModified': datetime(2015, 1, 1),
    'XAmzCopySourceVersionId': 'string',
    'XAmzServerSideEncryption': 'string'
}
```

Response Structure

- *(dict)* –
  - **ContentType** *(string)* –
  - **ETag** *(string)* –
  - **LastModified** *(datetime)* –
  - **XAmzCopySourceVersionId** *(string)* –
  - **XAmzServerSideEncryption** *(string)* –

1.9.2 Client Exceptions

Client exceptions are available on a client instance via the `exceptions` property. For more detailed instructions and examples on the exact usage of client exceptions, see the error handling user guide.

This client has no modeled exception classes.

CHAPTER 2

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