

Alibaba Cloud Apsara File Storage NAS

API reference

Issue: 20190814

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Generic conventions

Table -1: Style conventions

Style	Description	Example
	This warning information indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	 Danger: Resetting will result in the loss of user configuration data.
	This warning information indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	 Warning: Restarting will cause business interruption. About 10 minutes are required to restore business.
	This indicates warning information, supplementary instructions, and other content that the user must understand.	 Notice: Take the necessary precautions to save exported data containing sensitive information.
	This indicates supplemental instructions, best practices, tips, and other content that is good to know for the user.	 Note: You can use Ctrl + A to select all files.
>	Multi-level menu cascade.	Settings > Network > Set network type
Bold	It is used for buttons, menus, page names, and other UI elements.	Click OK.
<code>Courier font</code>	It is used for commands.	Run the <code>cd / d C :/ windows</code> command to enter the Windows system folder.
<i>Italics</i>	It is used for parameters and variables.	<code>bae log list --instanceid Instance_ID</code>
[] or [a b]	It indicates that it is an optional value, and only one item can be selected.	<code>ipconfig [-all -t]</code>

Style	Description	Example
<code>{}</code> or <code>{a b}</code>	It indicates that it is a required value, and only one item can be selected.	<code>swich {stand slave}</code>

Contents

Legal disclaimer.....	I
Generic conventions.....	I
1 API overview.....	1
2 Request method.....	3
2.1 Public parameter.....	3
2.2 Request structure.....	5
3 Region.....	7
3.1 DescribeRegions.....	7
4 File system.....	10
4.1 DeleteFileSystem.....	10
4.2 ModifyFileSystem.....	11
4.3 CreateFileSystem.....	13
4.4 DescribeFileSystems.....	15
5 Mount point.....	21
5.1 CreateMountTarget.....	21
5.2 DescribeMountTargets.....	23
5.3 ModifyMountTarget.....	26
5.4 DeleteMountTarget.....	28
6 Permission group.....	30
6.1 DeleteAccessGroup.....	30
6.2 DescribeAccessGroups.....	31
6.3 DescribeAccessRules.....	35
6.4 ModifyAccessGroup.....	37
6.5 ModifyAccessRule.....	41
6.6 DeleteAccessRule.....	43
6.7 CreateAccessGroup.....	45
6.8 CreateAccessRule.....	47
7 Snapshots for NAS Extreme.....	50
7.1 CreateSnapshot.....	50
7.2 CreateAutoSnapshotPolicy.....	52
7.3 ApplyAutoSnapshotPolicy.....	56
7.4 DeleteSnapshot.....	57
7.5 CancelAutoSnapshotPolicy.....	59
7.6 DeleteAutoSnapshotPolicy.....	60
7.7 DescribeSnapshots.....	61
7.8 DescribeAutoSnapshotPolicies.....	65
7.9 ModifyAutoSnapshotPolicy.....	69
7.10 ResetFileSystem.....	72

8 Error code list..... 74

1 API overview

NAS provides the following APIs.

Serial No.	Category	API	Description
1	Region	DescribeRegions	Return all Region IDs.
2	File system	#unique_5	Create a new file system.
3	File system	DeleteFileSystem	Delete existing file systems.
4	File system	#unique_7	Return file system description.
5	File system	ModifyFileSystem	Modify file system information.
6	Mount point	CreateMountTarget	Create a mount point.
7	Mount point	DeleteMountTarget	Delete existing mount points.
8	Mount point	#unique_11	Return mount point description.
9	Mount point	ModifyMountTarget	Modify mount point information.
10	Permission group	CreateAccessGroup	Create a permission group.
11	Permission group	DeleteAccessGroup	Delete existing permission groups.
12	Permission group	DescribeAccessGroup	Return permission group description.
13	Permission group	ModifyAccessGroup	Modify a permission group.
14	Permission group	CreateAccessRule	Create a permission rule.
15	Permission group	DeleteAccessRule	Delete existing permission rules.

Serial No.	Category	API	Description
16	Permission group	DescribeAccessRules	Return permission rule description.
17	Permission group	ModifyAccessRule	Modify permission rules.

- [API Resources](#)
- [API Explorer](#)
- [API Error Center](#)

2 Request method

2.1 Public parameter

Public request parameters indicate the request parameters that every interface uses.

Parameter name	Type	Required	Description
Format	String	No	Type of the value returned. JSON and XML formats are supported. The default format is JSON .
Version	String	Yes	API version number format is in the form of date: YYYY-MM-DD. For this version, it is 2017-06-26.
AccessKeyId	String	Yes	The key ID that Alibaba Cloud issues to a user to access services.
Signature	String	Yes	The signature result string.
SignatureMethod	String	Yes	The signature method. HMAC - SHA1 is currently supported.
Timestamp	String	Yes	The time stamp of the request. The date format follows the ISO8601 standard and uses UTC time: YYYY-MM-DDThh:mm:ssZ. For example, 2017-05-26T12:00:00Z.

Parameter name	Type	Required	Description
SignatureVersion	String	Yes	Signature algorithm version. The current version is 1.0.
SecurityToken	String	No	This value is required to be passed in when you use an STS credential type.
SignatureNonce	String	No	The unique random number, used to prevent network replay attacks. You must use different random numbers for different requests.

Request example

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=<
Action>
&Format=xml
&Version=2017-06-26
&AccessKeyId=key-test
&Signature=Pc5***3D
&SignatureMethod=HMAC-SHA1
&SignatureNonce=15215528852396
&SignatureVersion=1.0
&Timestamp=2012-06-01T12:00:00Z
...
```

Public response parameters

The system returns a unique identification code `RequestId` each time you send a request to call an API whether the call succeeds or does not succeed.

Parameter name	Type	Description
RequestId	Integer	The unique identification code that the system returns.

Response example

- XML example

```
<? xml version =" 1 . 0 " encoding =" UTF - 8 "? >
< Interface Name + Response >
  <!-- Return Request Tag -->
  < RequestId > 6D9F62C5 - BF52 - 447C - AA34 - C77F7AFCCC 12 </
  RequestId >
  <!-- Return Result Data -->
</ Interface Name + Response >
```

- JSON example

```
{
  " RequestId ": " 4C467B38 - 3910 - 447D - 87BC - AC049166F2 16 ",
  /* Returned result data */
}
```

2.2 Request structure

NAS API requests are in a unified structure.

Endpoint

The endpoint of NAS APIs follows a format of `nas . aliyuncs . com` and `nas . [ RegionId .] aliyuncs . com`.

Specifically, `RegionId` refers to the service region. You can call the API of the designated region based on your own region. The service is available in the following regions.

Region	RegionId	Endpoint
Beijing	cn-beijing	nas.cn-beijing.aliyuncs.com
Shanghai	cn-shanghai	nas.cn-shanghai.aliyuncs.com
Hangzhou	cn-hangzhou	nas.cn-hangzhou.aliyuncs.com
Shenzhen	cn-shenzhen	nas.cn-shenzhen.aliyuncs.com

Communication protocol

HTTP and HTTPS protocols are supported for request communications. We recommend that you use an HTTPS channel which provides higher security.

Request methods

NAS API supports sending HTTP GET requests. Using this method, you are required to include request parameters in the request URL.

Request parameters

Each request must specify the operation to be executed, namely the Action parameter (such as `DescribeRegions`). Each operation must contain the common request parameters and the specific request parameters of the specified operation.

Character encoding

Requests and responses are both encoded using the `UTF-8` character set.

Use SDK

JAVA, PHP, and, Python SDKs are currently supported.

We recommend that you use SDKs which can simplify the process for HTTP message encapsulation and signature operations.

You can download the SDK from the following links:

- Java: [NAS Java SDK](#)
- Python: [NAS Python SDK](#)
- PHP: [NAS PHP SDK](#)
- .Net: [NAS .Net SDK](#)

3 Region

3.1 DescribeRegions

DescribeRegions is used to return all region IDs.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter name	Type	Required	Example	Description
Action	String	Yes	DescribeRegions	Operation interface name and system required parameter. Value: DescribeRegions .
FileSystemType	String	No	standard	The type of the file system . Valid values : standard and extreme. Default value: standard.
PageSize	Integer	No	2	The number of regions contained on each page. The default value is 10.

Parameter name	Type	Required	Example	Description
PageNumber	Integer	No	1	The page number of the list (beginning from 1).

Response parameters

Parameter name	Type	Example	Description
PageNumber	Integer	1	The page number of the list.
PageSize	Integer	2	The number of regions contained on each page.
Regions			Region description.
LocalName	String	China East 1	Region name.
RegionEndpoint	String	nas.cn-hangzhou.aliyuncs.com	The endpoint of the region.
RegionId	String	cn-hangzhou	Region ID.
RequestId	String	A70BEE5D-76D3-49FB-B58F-1F398211A5C3	The ID of the request.
TotalCount	Integer	4	The total number of returned region information items.

Example

• Request example

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=DescribeRegions
&PageSize=2
&PageNumber=1
&<PublicRequestParameter>
...
```

• Response example

- XML example

```
<?xml version="1.0" encoding="UTF-8"?>
```

```

< DescribeRegionsResponse >
  < PageNumber > 1 </ PageNumber >
  < TotalCount > 4 </ TotalCount >
  < PageSize > 2 </ PageSize >
  < RequestId > A70BEE5D - 76D3 - 49FB - B58F - 1F398211A5 C3 </
  RequestId >
  < Regions >
    < Region >
      < RegionId > cn - hangzhou </ RegionId >
      < RegionEndpoint > nas . cn - hangzhou . aliyuncs . com </
  RegionEndpoint >
      < LocalName > China East 1 </ LocalName >
    </ Region >
    < Region >
      < RegionId > cn - shanghai </ RegionId >
      < RegionEndpoint > nas . cn - shanghai . aliyuncs . com </
  RegionEndpoint >
      < LocalName > China East 2 </ LocalName >
    </ Region >
  </ Regions >
</ DescribeRegionsResponse >

```

- JSON example

```

{
  "TotalCount": 4 ,
  "PageSize": 2 ,
  "RequestId": " A70BEE5D - 76D3 - 49FB - B58F - 1F398211A5 C3 ",
  "PageNumber": 1 ,
  "Regions": {
    "Region": [
      {
        "RegionId": " cn - hangzhou ",
        "RegionEndpoint": " nas . cn - hangzhou . aliyuncs . com ",
        "LocalName": " China East 1 "
      },
      {
        "RegionId": " cn - shanghai ",
        "RegionEndpoint": " nas . cn - shanghai . aliyuncs . com ",
        "LocalName": " China East 2 "
      }
    ]
  }
}

```

Error codes

For more information, see [Error codes](#).

4 File system

4.1 DeleteFileSystem

DeleteFileSystem is used to delete existing file systems.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter name	Type	Required	Example	Description
FileSystemId	String	Yes	1ca404a348	The file system ID to be deleted .
Action	String	Yes	DeleteFile System	Operation interface name and system required parameter. Value: DeleteFile System .

Response parameters

Parameter name	Type	Example	Description
RequestId	String	9E15E394-38A6-457A-A62A-D9797C9A0262	The ID of the request.

Example

- Request example

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=DeleteFileSystem&FileSystemId=1ca404a348&<PublicRequestParameter>...
```

- Response example

- XML example

```
<? xml version =" 1 . 0 " encoding =" UTF - 8 "? >
< DeleteFile SystemResp onse >
  < RequestId > 9E15E394 - 38A6 - 457A - A62A - D9797C9A02 62 </
  RequestId >
</ DeleteFile SystemResp onse >
```

- JSON example

```
{
  " RequestId ": " 9E15E394 - 38A6 - 457A - A62A - D9797C9A02 62
"
```

Error codes

For more information, see [Error codes](#).

4.2 ModifyFileSystem

ModifyFileSystem is used to modify the file system information.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter name	Type	Required	Example	Description
Action	String	Yes	ModifyFile System	Operation interface name and system required parameter. Value: ModifyFile System .
FileSystem Id	String	Yes	1ca404a666	File system ID.

Parameter name	Type	Required	Example	Description
Description	String	No	None	The description of the file system. The description must be 2 to 128 characters in length. The description must start with a letter, but cannot start with http:// or https://. The description can contain letters, numbers, colons (:), underscores (_), and hyphens (-).

Response parameters

Parameter name	Type	Example	Description
RequestId	String	5BC5CB97-9F28-42FE-84A4-0CD0DF4211C8	The ID of the request.

Example

- Request example

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=ModifyFileSystem&FileSystemId=1ca404a666&<PublicRequestParameter>
```

...

- **Response example**

- **XML example**

```
<? xml version =" 1 . 0 " encoding =" UTF - 8 "? >
< ModifyFile SystemResp onse >
  < RequestId > 5BC5CB97 - 9F28 - 42FE - 84A4 - 0CD0DF4211 C8 </
  RequestId >
</ ModifyFile SystemResp onse >
```

- **JSON example**

```
{
  " RequestId ": " 5BC5CB97 - 9F28 - 42FE - 84A4 - 0CD0DF4211 C8
"
```

Error codes

For more information, see [Error codes](#).

4.3 CreateFileSystem

You can call this operation to create file systems.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter	Type	Required	Example	Description
ProtocolType	String	Yes	NFS	The protocol type of the file system. Valid values: NFS and SMB.
StorageType	String	Yes	Performance	The type of the file system. Valid values: Performance and Capacity.

Parameter	Type	Required	Example	Description
Action	String	Yes	CreateFile System	The operation that you want to perform. Set the value to CreateFileSystem.
Description	String	No	balabala	The description of the file system. The description must be 2 to 128 characters in length. The description must start with a letter, but cannot start with http:// or https://. The description can contain letters, numbers, colons (:), underscores (_), and hyphens (-).

Response parameters

Parameter	Type	Example	Description
FileSystemId	String	1ca404a666	The ID of the new file system.
RequestId	String	98696EF0-1607-4E9D-B01D-F20930B68845	The request ID.

Examples

Sample request

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=CreateFile System
&StorageType=Performance
&ProtocolType=NFS
&Description=balabala
&<Common request parameters>
```

Sample success response

XML format

```
<CreateFile SystemResponse>
  <FileSystemId>1ca404a666</FileSystemId>
```

```
< RequestId > 98696EF0 - 1607 - 4E9D - B01D - F20930B688 45 </
  RequestId >
</ CreateFile SystemResponse >
```

JSON format

```
{
  " FileSystem Id ":" 1ca404a666 ",
  " RequestId ":" 98696EF0 - 1607 - 4E9D - B01D - F20930B688 45 "
}
```

Error codes

For more information, see [Error codes](#).

4.4 DescribeFileSystems

You can call this operation to retrieve a list of file systems and the details of each file system.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeFileSystems	The operation that you want to perform. Set the value to DescribeFileSystems.
FileSystemId	String	No	109c042666	The ID of the file system.
FileSystemType	String	No	standard	The type of file system. Valid values: standard and extreme. Default value: standard.
PageNumber	Integer	No	1	The number of a page. The number starts at 1.

Parameter	Type	Required	Example	Description
PageSize	Integer	No	1	The number of file systems that are displayed on each page. Default value: 10.
VpcId	String	No	vpc-bp1sevsqtqvk5gxbllhhod	The VPC ID.

Response parameters

Parameter	Type	Example	Description
PageNumber	Integer	1	The number of a page.
PageSize	Integer	1	The number of file systems that are displayed on each page.
RequestId	String	035B3A3A-E514-4B41-B906-5D906CFBD65F	The request ID.
TotalCount	Integer	1	The total number of file systems.
FileSystems			A list of file systems and the details of each file system.
Bandwidth	Long	150	The maximum throughput of the file system. Unit: Mbit/s. This parameter is only applicable to standard file systems.
Capacity	Long	1	The capacity of the file system. Unit : GB.
CreateTime	String	2017-05-27T15:43:06CST	The time when the file system is created.
Description	String	Null	The description of the file system.

Parameter	Type	Example	Description
Description	String	Null	The description of the file system.
FileSystemId	String	109c042666	The file system ID.
MeteredSize	Long	1611661312	The used space of the file system. The value indicates the maximum amount of used space over the last one hour rather than the current used space. Unit: Byte.
MountTargets			A list of mount points and the details of each mount point.
AccessGroupName	String	test-001	The name of the permission group that applies to the mount point.
MountTargetDomain	String	109c042666-wjb85.cn-hangzhou.nas.aliyuncs.com	The name of the mount point.
NetworkType	String	vpc	The network type. Valid values: vpc and classic.
Status	String	active	The status of the mount point. This parameter is only applicable to standard file systems. Valid values: active and inactive.
VpcId	String	vpc-bp1sevsqtqvk5gxbllhhod	vpcid
VswId	String	vsw-bp1omfzsszekkvaxnz66e	vswid
Packages			The storage package that is bound to the file system.

Parameter	Type	Example	Description
PackageId	String	naspackage- xxxxxxxxxxxx- xxxxxx	The ID of the storage package.
ProtocolType	String	NFS	The protocol type.
RegionId	String	cn-hangzhou	The region ID.
Status	String	Pending	The status of the file system. This parameter is only applicable to NAS Extreme. Valid values: Pending , Running, and Stopped. You can perform subsequent operations such as creating a mount point only when the status is Running.
StorageType	String	Performance	The storage type. Valid values for NAS Standard: Capacity and Performance. Valid values for NAS Extreme: standard and advance.
ZoneId	String	cn-hangzhou-b	The zone where the file system is located.

Example

Sample request

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=DescribeFileSystems
&FileSystemId=109c042666
&<CommonRequestParameters>
```

Sample success response

XML format

```
<DescribeFileSystemsResponse>
  <PageNumber>1</PageNumber>
  <TotalCount>1</TotalCount>
  <PageSize>1</PageSize>
  <RequestId>035B3A3A-E514-4B41-B906-5D906CFBD65F</RequestId>
```

```

< FileSystem s >
  < FileSystem >
    < FileSystem Id > 109c042666 </ FileSystem Id >
    < ProtocolType > NFS </ ProtocolType >
    < RegionId > cn - hangzhou </ RegionId >
    < CreateTime > 2017 - 05 - 27T15 : 43 : 06CST </ CreateTime >
    < Description />
    < MountTargets >
      < MountTarget >
        < MountTargetDomain > 109c042666 - wjb85 . cn - hangzhou .
nas . aliyuncs . com </ MountTargetDomain >
      </ MountTarget >
    </ MountTargets >
    < StorageType > Performance </ StorageType >
    < MeteredSize > 1611661312 </ MeteredSize >
  </ FileSystem >
</ FileSystem s >
</ DescribeFileSystemsResponse >

```

JSON format

```

{
  "PageNumber": 1,
  "TotalCount": 1,
  "PageSize": 1,
  "RequestId": "BC7C825C - 5F65 - 4B56 - BEF6 - 98C56C7C54 6E",
  "FileSystem s": {
    "FileSystem": [
      {
        "FileSystemId": "31a8e48eda",
        "Description": "31a8e48eda",
        "Packages": {
          "Package": [
            {
              "PackageId": ""
            }
          ]
        },
        "ProtocolType": "NFS",
        "CreateTime": "2017 - 04 - 18T00 : 22 : 56CST",
        "RegionId": "cn - shanghai",
        "Description": "31a8e48eda",
        "ZoneId": "cn - shanghai - b",
        "StorageType": "Performance",
        "MountTargets": {
          "MountTarget": [
            {
              "NetworkType": "vpc",
              "Status": "active",
              "VswId": "vsw - uf64zi0nn7 1ntvkbzditi 4",
              "AccessGroupName": "DEFAULT_VP_C_GROUP_NAME",
              "MountTargetDomain": "31a8e48eda - ykf64 . cn - shanghai .
nas . aliyuncs . com",
              "VpcId": "vpc - uf65wx2khu 08h4dlw2qf v"
            }
          ]
        },
        "MeteredSize": 4295639040
      }
    ]
  }
}

```

Error codes

For more information, see [Error codes](#).

5 Mount point

5.1 CreateMountTarget

CreateMountTarget is used to create a mount point.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter name	Type	Required	Example	Description
Action	String	Yes	CreateMountTarget	Operation interface name and system required parameter. Value: CreateMountTarget .
FileSystemId	String	Yes	174494b666	File system ID.
AccessGroupName	String	Yes	classic-test	Permission group name.
NetworkType	String	Yes	vpc	Network type, including Vpc and Classic networks.
VpcId	String	No	vpc-2zesj9afh3y518k9oe86q	VPC network ID.
VSwitchId	String	No	vsw-2zevmwkwyztjuoffgdiwl	VSwitch ID.

Response parameters

Parameter name	Type	Example	Description
MountTargetDomain	String	174494b666-xog95.cn-hangzhou.nas.aliyuncs.com	Mount point domain name.
RequestId	String	70EACC9C-D07A-4A34-ADA4-77506C42B023	The ID of the request.

Example

• Request example

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=CreateMountTarget
&AccessGroupPName=classic-test
&FileSystemId=174494b666
&<PublicRequestParameter>
...
```

• Response example

- XML example

```
<?xml version="1.0" encoding="UTF-8"?>
<CreateMountTargetResponse>
  <RequestId>70EACC9C-D07A-4A34-ADA4-77506C42B023</RequestId>
  <MountTargetDomain>174494b666-xog95.cn-hangzhou.nas.aliyuncs.com</MountTargetDomain>
</CreateMountTargetResponse>
```

- JSON example

```
{
  "RequestId": "70EACC9C-D07A-4A34-ADA4-77506C42B023",
  "MountTargetDomain": "174494b666-xog95.cn-hangzhou.nas.aliyuncs.com"
}
```

Error codes

For more information, see [Error codes](#).

5.2 DescribeMountTargets

You can call this operation to retrieve a list of mount points and the description of each mount point.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter	Type	Required	Example	Description
FileSystemId	String	Yes	1ca404a666	The file system ID.
Action	String	Yes	DescribeMountTargets	The operation that you want to perform. Set the value to DescribeMountTargets.
MountTargetDomain	String	No	1ca404a666-xog95.cn-hangzhou.nas.aliyuncs.com	The name of the mount point.
PageNumber	Integer	No	1	The number of a page. The number starts at 1.
PageSize	Integer	No	1	The number of mount points that are displayed on each page. Default value: 10.

Response parameters

Parameter	Type	Example	Description
MountTargets			A list of mount points and the details of each mount point.
AccessGroup	String	DEFAULT_VPC_GROUP_NAME	The name of the permission group that is applied to the mount point.

Parameter	Type	Example	Description
MountTargetDomain	String	1ca404a666-wxa89.cn-hangzhou.nas.aliyuncs.com	The name of the mount point.
NetworkType	String	Vpc	The network type. Valid values: Classic and Vpc.
Status	String	Active	The status of the mount point. Valid values: Active and Inactive. You can mount a file system on the mount point only when the status of the mount point is Active.
VpcId	String	vpc-2zesj9afh3y518k9oe86q	If the network type is Vpc, VpcId indicates the VPC where the mount point is located.
VswId	String	vsw-2zevmwkwyztjuoffgdiwl	If the network type is Vpc, VswId indicates the VSwitch of the VPC where the mount point is located.
PageNumber	Integer	1	The number of a page.
PageSize	Integer	1	The number of mount points that are displayed on each page.
RequestId	String	3BAB90FD-B4A0-48DA-9F09-2B963510A0EF	The request ID.
TotalCount	Integer	1	The total number of mount points.

Example

Sample request

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=DescribeMountTargets&FileSystemId=1ca404a666
```

&< Common request parameters >

Sample success response

XML format

```
< DescribeMountTargets Response >
  < PageNumber > 1 </ PageNumber >
  < TotalCount > 1 </ TotalCount >
  < PageSize > 1 </ PageSize >
  < RequestId > 3BAB90FD - B4A0 - 48DA - 9F09 - 2B963510A0 EF </
RequestId >
  < MountTargets >
    < MountTarget >
      < Status > Active </ Status >
      < NetworkType > Vpc </ NetworkType >
      < VswId > vsw - 2zevmwkwyz tjuoffgdiw l </ VswId >
      < VpcId > vpc - 2zesj9afh3 y518k9oe86 q </ VpcId >
      < MountTargetDomain > 1ca404a666 - wxa89 . cn - hangzhou . nas
. aliyuncs . com </ MountTargetDomain >
      < AccessGroup > DEFAULT_VP C_GROUP_NA ME </ AccessGroup >
    </ MountTarget >
  </ MountTargets >
</ DescribeMountTargets Response >
```

JSON format

```
{
  "PageNumber": 1,
  "TotalCount": 1,
  "PageSize": 1,
  "RequestId": "3BAB90FD - B4A0 - 48DA - 9F09 - 2B963510A0 EF",
  "MountTargets": {
    "MountTarget": [
      {
        "NetworkType": "Vpc",
        "Status": "Active",
        "VswId": "vsw - 2zevmwkwyz tjuoffg ****",
        "MountTargetDomain": "1ca404a666 - wxa89 . cn - hangzhou .
nas . aliyuncs . com",
        "VpcId": "vpc - 2zesj9afh3 y518k9o ****",
        "AccessGroup": "DEFAULT_VP C_GROUP_NA ME"
      }
    ]
  }
}
```

Error codes

For more information, see [Error codes](#).

5.3 ModifyMountTarget

ModifyMountTarget is used to modify the mount point information.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter name	Type	Required	Example	Description
Action	String	Yes	ModifyMountTarget	Operation interface name and system required parameter. Value: ModifyMountTarget .
FileSystemId	String	Yes	1ca404a666	File system ID.
MountTargetDomain	String	Yes	1ca404a666-wxa89.cn-hangzhou.nas.aliyuncs.com	Mount point domain name.
AccessGroupName	String	No	classic-test	Permission group name.
Status	String	No	Inactive	The status of the mount point. Valid values: Active and Inactive.

Response parameters

Parameter name	Type	Example	Description
RequestId	String	FF387D95-34C4-4879-B65A-99D1FA1B65CD	The ID of the request.

Example

- Request example

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=ModifyMountTarget&FileSystemId=1ca404a666&MountTargetDomain=1ca404a666&Status=Inactive&<PublicRequestParameter>...
```

- Response example

- XML example

```
<?xml version="1.0" encoding="UTF-8"?>
<ModifyMountTargetResponse>
  <RequestId>FF387D95-34C4-4879-B65A-99D1FA1B65CD</RequestId>
</ModifyMountTargetResponse>
```

- JSON example

```
{
  "RequestId": "FF387D95-34C4-4879-B65A-99D1FA1B65CD"
}
```

Error codes

For more information, see [Error codes](#).

5.4 DeleteMountTarget

DeleteMountTarget is used to delete existing mount points.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter name	Type	Required	Example	Description
FileSystemId	String	Yes	174494b666	File system ID.
MountTargetDomain	String	Yes	174494b666-xog95.cn-hangzhou.nas.aliyuncs.com	Mount point domain name.
Action	String	Yes	DeleteMountTarget	Operation interface name and system required parameter. Value: DeleteMountTarget.

Response parameters

Parameter name	Type	Example	Description
RequestId	String	5BC5CB97-9F28-42FE-84A4-0CD0DF4211C8	The ID of the request.

Example

· Request example

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=DeleteMountTarget&FileSystemId=174494b666&MountTargetDomain=174494b666-xog95.cn-hangzhou.nas.aliyuncs.com&<PublicRequestParameter>...
```

- **Response example**

- **XML example**

```
<? xml version =" 1 . 0 " encoding =" UTF - 8 "? >
< DeleteMoun tTargetRes ponse >
  < RequestId > 5BC5CB97 - 9F28 - 42FE - 84A4 - 0CD0DF4211 C8 </
  RequestId >
</ DeleteMoun tTargetRes ponse >
```

- **JSON example**

```
{
  " RequestId ": " 5BC5CB97 - 9F28 - 42FE - 84A4 - 0CD0DF4211 C8
"
```

Error codes

For more information, see [Error codes](#).

6 Permission group

6.1 DeleteAccessGroup

DeleteAccessGroup is used to delete existing permission groups.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter name	Type	Required	Example	Description
Action	String	Yes	DeleteAccessGroup	Operation interface name and system required parameter. Value: DeleteAccessGroup .
AccessGroupName	String	Yes	classic-test	Permission group name.
FileSystemType	String	No	standard	The type of the file system . Valid values : standard and extreme. Default value: standard.

Response parameters

Parameter name	Type	Example	Description
RequestId	String	9E15E394-38A6-457A-A62A-D9797C9A0262	The ID of the request.

Example

- Request example

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=DeleteAccessGroup
&AccessGroupName=classic-test
&<PublicRequestParameter>
...
```

- Response example

- XML example

```
<?xml version="1.0" encoding="UTF-8"?>
<DeleteAccessGroupResponse>
  <RequestId>5BC5CB97-9F28-42FE-84A4-0CD0DF4211C8</RequestId>
</DeleteAccessGroupResponse>
```

- JSON example

```
{
  "RequestId": "9E15E394-38A6-457A-A62A-D9797C9A0262"
}
```

Error codes

For more information, see [Error codes](#).

6.2 DescribeAccessGroups

DescribeAccessGroups is used to return the permission group description.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter name	Type	Required	Example	Description
Action	String	Yes	DescribeAccessGroups	Operation interface name and system required parameter. Value: DescribeAccessGroups .
AccessGroupPName	String	No	classic-test	Permission group name.
FileSystemType	String	No	standard	The type of the file system . Valid values : standard and extreme. Default value: standard.
PageSize	Integer	No	2	The number of permission groups contained on each page. The default value is 10 .
PageNumber	Integer	No	1	The page number of the list (beginning from 1).

Response parameters

Parameter name	Type	example	Description
AccessGroups			Permission group description.
AccessGroupPName	String	classic-test	Permission group name.

Parameter name	Type	example	Description
AccessGroupType	String	Classic	The type of the Permission group. Valid values: Vpc and Classic.
Description	String	This is a classic test access group ~	Permission group description.
MountTargetCount	Integer	0	The number of mount points to which this permission group applies.
RuleCount	Integer	0	The number of permission rules contained in this permission group.
PageNumber	Integer	1	The page number of the list.
PageSize	Integer	2	The number of permission groups contained on each page.
RequestId	String	2514F97E-FFF0-4A1F-BF04-729CEAC64B6F	The ID of the request.
TotalCount	Integer	2	Total number of permission groups.

Example

- Request example

```
GET https://nas.cn - hangzhou . aliyuncs . com /? Action =
DescribeAccessGroups
&< Public Request Parameter >
...
```

- Response example

- XML example

```
<? xml version =" 1 . 0 " encoding =" UTF - 8 "? >
< DescribeAccessGroups Response >
  < PageNumber > 1 </ PageNumber >
  < TotalCount > 2 </ TotalCount >
  < PageSize > 2 </ PageSize >
  < RequestId > 3E569F4A - F743 - 490B - AC01 - A8088F5C17 A1 </
RequestId >
  < AccessGroups >
    < AccessGroup >
```

```

    < Descriptio n > DEFAULT ACCESS GROUP NAME </
Descriptio n >
    < RuleCount > 1 </ RuleCount >
    < AccessGrou pType > Vpc </ AccessGrou pType >
    < AccessGrou pName > DEFAULT_VP C_GROUP_NA ME </
AccessGrou pName >
    < MountTarge tCount > 8 </ MountTarge tCount >
    </ AccessGrou p >
    < AccessGrou p >
    < Descriptio n > This is a classic test access
group ~</ Descriptio n >
    < RuleCount > 0 </ RuleCount >
    < AccessGrou pType > Classic </ AccessGrou pType >
    < AccessGrou pName > classic - test </ AccessGrou pName >
    < MountTarge tCount > 0 </ MountTarge tCount >
    </ AccessGrou p >
  </ AccessGrou ps >
</ DescribeAc ccessGroups Response >

```

- JSON example

```

{
  " AccessGrou ps ": {
    " AccessGrou p ": [
      {
        " RuleCount ": 1 ,
        " AccessGrou pType ": " Vpc ",
        " Descriptio n ": " DEFAULT ACCESS GROUP NAME ",
        " AccessGrou pName ": " DEFAULT_VP C_GROUP_NA ME ",
        " MountTarge tCount ": 8
      },
      {
        " RuleCount ": 0 ,
        " AccessGrou pType ": " Classic ",
        " Descriptio n ": " This is a classic test
access group ~",
        " AccessGrou pName ": " classic - test ",
        " MountTarge tCount ": 0
      }
    ]
  },
  " TotalCount ": 2 ,
  " PageSize ": 2 ,
  " RequestId ": " 2514F97E - FFF0 - 4A1F - BF04 - 729CEAC64B 6F
",
  " PageNumber ": 1 ,
}

```

Error codes

For more information, see [Error codes](#).

6.3 DescribeAccessRules

DescribeAccessRules is used to return the permission group rule description.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter name	Type	Required	Example	Description
AccessGroupName	String	Yes	classic-test	Permission group name.
AccessRuleId	String	No	1	Permission rule ID.
Action	String	Yes	DescribeAccessRules	Operation interface name and system required parameter. Value: DescribeAccessRules .
FileSystemType	String	No	standard	The type of the file system. Valid values: standard and extreme. Default value: standard.
PageNumber	Integer	No	1	The page number of the list (beginning from 1).
PageSize	Integer	No	1	The number of permission rules contained on each page. The default value is 10 .

Response parameters

Parameter name	Type	Example	Description
AccessRules			Permission rule description.
AccessRuleId	String	1	Permission rule ID.

Parameter name	Type	Example	Description
Priority	Integer	1	Priority level. Range: 1-100. Default value: 1.
RWAccess	String	RDWR	Read-write permission type: RDWR (default value) and RDONLY.
SourceCidrIp	String	10.0.0.1/32	Address or address segment.
UserAccess	String	no_squash	User permission type: no_squash (default value), root_squash and all_squash.
PageNumber	Integer	1	The page number of the list.
PageSize	Integer	1	The number of permission rules contained on each page.
RequestId	String	86D89E82-4297-4343-8E1E-A2495B35CC70	The ID of the request.
TotalCount	Integer	1	Total number of permission rules.

Example

• Request example

```
GET https://nas.cn - hangzhou.aliyuncs.com/?Action=DescribeAccessRules
&AccessGroup=classic-test
&<PublicRequestParameter>
...
```

• Response example

- XML example

```
<?xml version="1.0" encoding="UTF-8"?>
<DescribeAccessRulesResponse>
  <AccessRules>
    <AccessRule>
      <SourceCidrIp>10.0.0.1/32</SourceCidrIp>
      <AccessRuleId>1</AccessRuleId>
      <RWAccess>RDWR</RWAccess>
      <UserAccess>no_squash</UserAccess>
      <Priority>1</Priority>
    </AccessRule>
  </AccessRules>
  <PageNumber>1</PageNumber>
```

```
< TotalCount > 1 </ TotalCount >
< PageSize > 1 </ PageSize >
< RequestId > 86D89E82 - 4297 - 4343 - 8E1E - A2495B35CC 70 </
RequestId >
</ DescribeAccessRulesResponse >
```

- JSON example

```
{
  " TotalCount ": 1 ,
  " PageSize ": 1 ,
  " RequestId ": " 86D89E82 - 4297 - 4343 - 8E1E - A2495B35CC 70 ",
  " PageNumber ": 1 ,
  " AccessRules ": {
    " AccessRule ": [
      {
        " RWAccess ": " RDWR ",
        " UserAccess ": " no_squash ",
        " Priority ": 1 ,
        " SourceCidrIp ": " 10 . 0 . 0 . 1 / 32 ",
        " AccessRuleId ": " 1 "
      }
    ]
  }
}
```

Error codes

For more information, see [Error codes](#).

6.4 ModifyAccessGroup

ModifyAccessGroup is used to modify the permission group.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter name	Type	Required	Example	Description
Action	String	Yes	ModifyAccessGroup	Operation interface name and system required parameter. Value: ModifyAccessGroup .
AccessGroupname	String	Yes	classic-test	Permission group name.

Parameter name	Type	Required	Example	Description
Description	String	No	classic-test	The description of the permission group. By default, the description of the permission group is the same as the name of the permission group. The description must be 2 to 128 characters in length. The description must start with a letter and cannot start with http:// or https://. The description can contain letters, numbers, colons (:), underscores (_), and hyphens (-).

Parameter name	Type	Required	Example	Description
FileSystem Type	String	No	standard	The type of the file system . Valid values : standard and extreme. Default value: standard.

Response parameters

Parameter name	Type	Example	Description
RequestId	String	ED2AE737-9D50-4CA4-B0DA-31BD610C2363	The ID of the request.

Example

• Request example

```
GET https://nas.cn - hangzhou . aliyuncs . com /? Action =
ModifyAccessGroup
& AccessGroupName = classic - test
& Description = classic - test
&< Public Request Parameter >
...
```

• Response example

- XML example

```
<? xml version =" 1 . 0 " encoding =" UTF - 8 "? >
< ModifyAccessGroupResponse >
  < RequestId > ED2AE737 - 9D50 - 4CA4 - B0DA - 31BD610C23 63 </
  RequestId >
</ ModifyAccessGroupResponse >
```

- JSON example

```
{
  " RequestId ": " ED2AE737 - 9D50 - 4CA4 - B0DA - 31BD610C23 63 "
}
```

Error codes

For more information, see [Error codes](#).

6.5 ModifyAccessRule

ModifyAccessRule is used to modify permission rules.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter name	Type	Required	Example	Description
Action	String	Yes	ModifyAccessRule	Operation interface name and system required parameter. Value: ModifyAccessRule .
AccessGroupName	String	Yes	classic-test	Permission group name.
AccessRuleId	String	Yes	1	Permission rule ID.
FileSystemType	String	No	standard	The type of the file system . Valid values : standard and extreme. Default value: standard.

Parameter name	Type	Required	Example	Description
SourceCidrIp	String	No	192.168.0.1	An IP address or a CIDR notation. For example, 12.1.1.1 or 13.1.1.1/25.
RWAccessType	String	No	RDWR	Read-write permission type.
UserAccessType	String	No	all_squash	User permission type.
Priority	Integer	No	1	Priority level. Range: 1-100. Default value: 1.

Response parameters

Parameter name	Type	Example	Description
RequestId	String	6299428C-3861-435D-AE54-9B330A0007C8	The ID of the request.

Example

· Request example

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=ModifyAccessRule
&AccessGroup=classic-test
&AccessRuleId=1
&SourceCidrIp=192.168.0.1
&RWAccessType=RDWR
&UserAccessType=all_squash
&<PublicRequestParameter>
...
```

- Response example

- XML example

```
<? xml version =" 1 . 0 " encoding =" UTF - 8 "? >
< ModifyAcce ssRuleResp onse >
  < RequestId > 6299428C - 3861 - 435D - AE54 - 9B330A0007 C8 </
  RequestId >
</ ModifyAcce ssRuleResp onse >
```

- JSON example

```
{
  " RequestId ": " 6299428C - 3861 - 435D - AE54 - 9B330A0007 C8
",
}
```

Error codes

For more information, see [Error codes](#).

6.6 DeleteAccessRule

DeleteAccessRule is used to delete existing permission rules.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter name	Type	Required	Example	Description
AccessGroup Name	String	Yes	classic-test	Permission group name.
AccessRule Id	String	Yes	1	Permission Rule ID.
Action	String	Yes	DeleteAccessRule	Operation interface name and system required parameter. Value: DeleteAccessRule .

Parameter name	Type	Required	Example	Description
FileSystem Type	String	No	standard	The type of the file system. Valid values: standard and extreme. Default value: standard.

Response parameters

Parameter name	Type	Example	Description
RequestId	String	5B4511A7-C99E-4071-AA8C-32E2529DA963	The ID of the request.

Example

· Request example

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=CreatAccessRule
&AccessGroup=classic-test
&AccessRuleId=1
&<PublicRequestParameter>
...
```

· Response example

- XML example

```
<?xml version="1.0" encoding="UTF-8"?>
<DeleteAccessRuleResponse>
  <RequestId>5B4511A7-C99E-4071-AA8C-32E2529DA963</RequestId>
</DeleteAccessRuleResponse>
```

- JSON example

```
{
  "RequestId": "5B4511A7-C99E-4071-AA8C-32E2529DA963",
}
```

Error codes

For more information, see [Error codes](#).

6.7 CreateAccessGroup

You can call this operation to create permission groups.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter	Type	Required	Example	Description
AccessGroup pName	String	Yes	classic-test	The name of the permission group. The name of the permission group. The name must be 3 to 64 characters in length. The name must start with a letter and contain letters, numbers, underscores (_), and hyphens (-). The name of a new permission group must be different from built-in permission groups, including DEFAULT_VPC_GROUP_NAME and DEFAULT_CLASSIC_GROUP_NAME.
AccessGroup pType	String	Yes	Classic	The type of permission group. Valid values: Vpc and Classic.
Action	String	Yes	CreateAccessGroup	The operation that you want to perform. Set the value to CreateAccessGroup.

Parameter	Type	Required	Example	Description
Description	String	No	classictestaccessgroup	The description of the permission group. By default, the description of the permission group is the same as the name of the permission group. The description must be 2 to 128 characters in length. The description must start with a letter and cannot start with http:// or https://. The description can contain letters, numbers, colons (:), underscores (_), and hyphens (-).
FileSystemType	String	No	standard	The type of file system. Valid values: standard and extreme. Default value: standard.

Response parameters

Parameter	Type	Example	Description
AccessGroupPName	String	classic-test	The name of the permission group.
RequestId	String	55C5FFD6-BF99-41BD-9C66-FFF39189F4F8	The request ID.

Examples

Sample requests:

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=CreatAccessGroup
&AccessGroupPName=classic-test
&AccessGroupPType=Classic
&Description=classic-test-access-group
```

&< Common request parameters >

Sample success response

XML format

```
< CreateAccessGroupResponse >
  < RequestId > 55C5FFD6 - BF99 - 41BD - 9C66 - FFF39189F4 F8 </
    RequestId >
  < AccessGroupName > classic - test </ AccessGroupName >
</ CreateAccessGroupResponse >
```

JSON format

```
{
  "RequestId ":" 55C5FFD6 - BF99 - 41BD - 9C66 - FFF39189F4 F8 ",
  "AccessGroupName ":" classic - test "
}
```

Error codes

For more information, see [Error codes](#).

6.8 CreateAccessRule

You can call this operation to create permission rules.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter	Type	Required	Example	Description
AccessGroupName	String	Yes	classic-test	The name of the permission group.
SourceCidrIp	String	Yes	10.0.0.1/32	An IP address or a CIDR notation. For example, 12.1.1.1 or 13.1.1.1/25.

Parameter	Type	Required	Example	Description
Action	String	Yes	CreateAccessRule	The operation that you want to perform. Set the value to CreateAccessRule.
FileSystemType	String	No	standard	The type of file system. Valid values: standard and extreme. Default value: standard.
Priority	Integer	No	1	The priority of the rule. Valid values: 1 to 100. Default value: 1.
RWAccessType	String	No	RDWR	The type of permission. Valid values: RDWR and RDONLY. Default value: RDWR.
UserAccessType	String	No	no_squash	The type of user permission. Valid values: no_squash, root_squash, and all_squash. Default value: no_squash.

Response parameters

Parameter	Type	Example	Description
AccessRuleId	String	1	The rule ID.
RequestId	String	A323836B-5BC6-45A6-8048-60675C23EE2A	The request ID.

Examples

Sample request

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=CreatAccessRule
&AccessGroupName=classic-test
&SourceCidrIp=10.0.0.1/8
```

&< Common request parameters >

Sample success response

XML format

```
< CreateAccessRuleResponse >
  < AccessRuleId > 1 </ AccessRuleId >
  < RequestId > A323836B - 5BC6 - 45A6 - 8048 - 60675C23EE 2A </
  RequestId >
</ CreateAccessRuleResponse >
```

JSON format

```
{
  "AccessRuleId": "1",
  "RequestId": "A323836B - 5BC6 - 45A6 - 8048 - 60675C23EE 2A",
}
```

Error codes

For more information, see [Error codes](#).

7 Snapshots for NAS Extreme

7.1 CreateSnapshot

You can call this operation to create a snapshot.

Description

- You can create a maximum of 64 snapshots for each file system.
- The instance on which the file system is mounted must be in the normal status. Otherwise, snapshots cannot be created.
- You can only create one snapshot for a file system at a time.
- If the file system expires while a snapshot is being created, the snapshot is deleted when the file system is released.
- Creating a snapshot may temporarily reduce I/O performance of the file system. We recommend that you do not create snapshots during peak hours.
- A snapshot only records the data of the file system at a specific time point. It does not record the incremental data generated while the snapshot is being created.
- Snapshots you create always exist unless you delete them. We recommend that you regularly delete unnecessary snapshots to prevent extra fees incurred by increasing snapshot storage.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use [OpenAPI Explorer](#) to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter	Type	Required	Example	Description
FileSystemId	String	Yes	Extreme-01dddfc	The ID of the file system.
Action	String	Yes	CreateSnapshot	The operation that you want to perform. Set this parameter to CreateSnapshot.

Parameter	Type	Required	Example	Description
Description	String	No	FinanceDepet	The description of the snapshot. The description must be 2 to 256 characters in length. It cannot start with http:// or https://. Default value: empty string.
RetentionDays	Integer	No	30	The retention period of the snapshot. Unit: day. The snapshot is automatically deleted when its retention period ends. Default value: -1. Valid values: -1: The snapshot is permanently retained. 1-65536: The snapshot is retained for the specified number of days.
SnapshotName	String	No	FinanceJoshua	The name of the snapshot. The name must be 2 to 128 characters in length. It must start with a letter but cannot start with http:// or https://. It can contain letters, digits, colons (:), underscores (_), and hyphens (-). It cannot start with auto because a name that starts with auto may conflict with the names of automatic snapshots.

Response parameters

Parameter	Type	Example	Description
RequestId	String	473469C7-AA6F-4DC5-B3DB-A3DC0DE3C83E	The ID of the request.
SnapshotId	String	s-extreme-snapshotid1	The ID of the snapshot.

Examples

Sample request

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=CreateSnapshot&FileSystemId=1ca404a348&<Common request parameters>...
```

Sample success response

JSON format

```
{  "RequestId": "AB78A546-A85A-44E7-B4A3-C0AAA77B89-AF",  "SnapshotId": "s-extreme-6tmsbas6lj-hwhlkh9"}
```

Error codes

[View error codes.](#)

7.2 CreateAutoSnapshotPolicy

You can call this operation to create an automatic snapshot policy. After a policy is created, you can call the ApplyAutoSnapshotPolicy operation to apply the policy to one or more file systems and call the ModifyAutoSnapshotPolicy operation to modify the policy.

Description

- You can use an Alibaba Cloud account to create a maximum of 100 automatic snapshot policies for one region.
- The creation of an automatic snapshot is canceled if the scheduled time for creating the snapshot is reached but the previous automatic snapshot is still

being created. This may occur if the file system stores a large volume of data. For example, you have scheduled snapshots to be created at 09:00, 10:00, 11:00, and 12:00. A snapshot starts to be created at 09:00. The creation is completed at 10:20. The process of creating the snapshot requires 80 minutes because the file system has a large volume of data. A snapshot is not created at 10:00, and the next snapshot starts to be created at 11:00.

- A file system has a maximum of 64 snapshots. If the number of snapshots reaches the maximum, the earliest automatic snapshots are deleted. This rule does not apply to manual snapshots.
- A change of the snapshot retention period in an automatic snapshot policy only affects new snapshots, and the retention period of snapshots that are already created is not updated.
- If you want to manually create a snapshot for a file system when an automatic snapshot is being created, you need to wait until the automatic snapshot is created.
- You cannot apply automatic snapshot policies to an abnormal file system.
- The format of an automatic snapshot name is `auto_yyyyMMdd_X`. `auto` indicates an automatic snapshot, which is used to differentiate between automatic and manual snapshots. `yyyyMMdd` indicates the date when the snapshot is created, where `yyyy` indicates the year, `MM` indicates the month, and `dd` indicates the day. `X` indicates a unique number to identify the automatic snapshot for the specified day. For example, `auto_20140418_1` indicates the first automatic snapshot created on April 18, 2014.

Debugging

Alibaba Cloud provides [OpenAPI Explorer](#) to simplify API usage. You can use [OpenAPI Explorer](#) to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter	Type	Required	Example	Description
FileSystemType	String	Yes	extreme	The type of the file system. Valid value: extreme.

Parameter	Type	Required	Example	Description
RepeatWeek days	String	Yes	1,2,3	The days of a week on which automatic snapshots are created. Valid values: 1 to 7. For example, 1 indicates Monday. You can specify multiple days if you want to create automatic snapshots on multiple days during the week. · You can specify up to 7 days over a one week period. · Separate each day with a comma (,).
TimePoints	String	Yes	0,1,...,23	The time at which automatic snapshots are created, measured in hours. Valid values: 0 to 23. The values indicate a total of 24 hours from 00:00 to 23:00. For example, 1 indicates 01:00. If you want to create multiple automatic snapshots on a specific day, you can specify a maximum of 24 hours.
Action	String	Yes	CreateAutoSnapshotPolicy	The operation that you want to perform. Set this parameter to CreateAutoSnapshotPolicy.

Parameter	Type	Required	Example	Description
AutoSnapshotPolicyName	String	No	FinanceJoshua	The name of the automatic snapshot policy. The name must be 2 to 128 characters in length. It must start with a letter but cannot start with http:// or https://. It can contain letters, digits, colons (:), underscores (_), and hyphens (-). Default value: empty string.
RetentionDays	Integer	No	30	The retention period of automatic snapshots. Unit: days. Default value: -1. Valid values: -1: Automatic snapshots are permanently retained. 1-65536: Each automatic snapshot is retained for the specified number of days.

Response parameters

Parameter	Type	Example	Description
AutoSnapshotPolicyId	String	sp-extreme-233e6ylv0	The ID of the automatic snapshot policy.
RequestId	String	473469C7-AA6F-4DC5-B3DB-A3DC0DE3C83E	The ID of the request.

Examples

Sample request

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=CreateAutoSnapshotPolicy&FileSystemType=extreme&RepeatWeekdays=1,2,3&TimePoints=0,1,2,3,4
```

```
&< Common request parameters >
...
```

Sample success response

JSON format

```
{
  "RequestId ":" 12FA778B - C8D3 - 4D2B - 88AD - C10ED0326C 57 ",
  "AutoSnapsh otPolicyId ":" sp - extreme - 6i0brwewjt 0gfylh0 "
}
```

Error codes

[View error codes.](#)

7.3 ApplyAutoSnapshotPolicy

You can call this operation to apply an automatic snapshot policy to one or more file systems. If an automatic snapshot policy is applied to a file system, you can call this operation to change the policy.

Description

- You can only apply one automatic snapshot policy to each file system.
- An automatic snapshot policy can be applied to multiple file systems.

Debugging

[Alibaba Cloud provides OpenAPI Explorer to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.](#)

Request parameters

Parameter	Type	Required	Example	Description
AutoSnapsh otPolicyId	String	Yes	sp-extreme-233e6ylv0	The ID of the automatic snapshot policy.
FileSystem Ids	String	Yes	extreme-233e6ylv0 ,extreme-23vbpbi03 ,extreme-23vasz3ds	The IDs of the file systems. You can specify a maximum of 100 file system IDs at a time. You must separate each ID with a comma (,).

Parameter	Type	Required	Example	Description
Action	String	Yes	ApplyAutoSnapshotPolicy	The operation that you want to perform. Set this parameter to ApplyAutoSnapshotPolicy.

Response parameters

Parameter	Type	Example	Description
RequestId	String	473469C7-AA6F-4DC5-B3DB-A3DC0DE3C83E	The ID of the request.

Examples

Sample request

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=
ApplyAutoSnapshotPolicy
&AutoSnapshotPolicyId=sp-extreme-6i0brwewjt0gfylh0
&FileSystemIds=extreme-xxx
&<Common request parameters>
...
```

Sample success response

JSON format

```
{
  "RequestId": "12FA778B-C8D3-4D2B-88AD-C10ED0326C57"
}
```

Error codes

[View error codes.](#)

7.4 DeleteSnapshot

You can call this operation to delete a snapshot. If you call this operation to delete a snapshot that is being created, the task of creating the snapshot is canceled.

Description

If the specified snapshot ID does not exist, the request is discarded.

Debugging

Alibaba Cloud provides OpenAPI Explorer to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter	Type	Required	Example	Description
SnapshotId	String	Yes	s-extreme-snapshotid1	The ID of the snapshot.
Action	String	Yes	DeleteSnapshot	The operation that you want to perform. Set this parameter to DeleteSnapshot.

Response parameters

Parameter	Type	Example	Description
RequestId	String	473469C7-AA6F-4DC5-B3DB-A3DC0DE3C83E	The ID of the request. The request ID is returned, regardless of whether the operation is successful.

Examples

Sample request

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=DeleteSnapshot&SnapshotId=s-extreme-6tmsbas6lj_hwhlkh9&<Common request parameters>...
```

Sample success response

JSON format

```
{
  "RequestId": "12FA778B-C8D3-4D2B-88AD-C10ED0326C57"
}
```

Error codes

[View error codes.](#)

7.5 CancelAutoSnapshotPolicy

You can call this operation to disable automatic snapshot policies for one or more file systems.

Debugging

Alibaba Cloud provides OpenAPI Explorer to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter	Type	Required	Example	Description
FileSystemIds	String	Yes	extreme-233e6ylv0,extreme-23vbpbi03,extreme-23vasz3ds	The IDs of file systems. You can specify a maximum of 100 file system IDs at a time. If you want to disable automatic snapshot policies for multiple file systems, separate each ID with a comma (,).
Action	String	Yes	CancelAutoSnapshotPolicy	The operation that you want to perform. Set this parameter to CancelAutoSnapshotPolicy.

Response parameters

Parameter	Type	Example	Description
RequestId	String	473469C7-AA6F-4DC5-B3DB-A3DC0DE3C83E	The ID of the request. The request ID is returned, regardless of whether the operation is successful.

Examples

Sample request

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=CancelAutoSnapshotPolicy
```

```
& FileSystemIds = extreme - xxx
&< Common request parameters >
...
```

Sample success response

JSON format

```
{
  "RequestId ":" 12FA778B - C8D3 - 4D2B - 88AD - C10ED0326C 57 "
}
```

Error codes

[View error codes.](#)

7.6 DeleteAutoSnapshotPolicy

You can call this operation to delete an automatic snapshot policy. If an automatic snapshot policy is applied to a file system, the policy no longer affects the file system after the policy is deleted.

Debugging

[Alibaba Cloud provides OpenAPI Explorer to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.](#)

Request parameters

Parameter	Type	Required	Example	Description
AutoSnapshotPolicyId	String	Yes	sp-extreme-233e6ylv0	The ID of the automatic snapshot policy. You can call the DescribeAutoSnapshotPolicies operation to view available automatic snapshot policies.
Action	String	Yes	DeleteAutoSnapshotPolicy	The operation that you want to perform. Set this parameter to DeleteAutoSnapshotPolicy.

Response parameters

Parameter	Type	Example	Description
RequestId	String	473469C7-AA6F-4DC5-B3DB-A3DC0DE3C83E	The ID of the request. The request ID is returned, regardless of whether the operation is successful.

Examples

Sample request

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=DeleteAutoSnapshotPolicy&AutoSnapshotPolicyId=sp-extreme-6i0brwewjt0gfylh0&<Common request parameters>...
```

Sample success response

JSON format

```
{
  "RequestId": "12FA778B-C8D3-4D2B-88AD-C10ED0326C57"
}
```

Error codes

[View error codes.](#)

7.7 DescribeSnapshots

You can call this operation to query the list of all snapshots of the file system.

Debugging

Alibaba Cloud provides OpenAPI Explorer to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter	Type	Required	Example	Description
FileSystemType	String	Yes	extreme	The type of the file system. Valid value: extreme.
Action	String	No	DescribeSnapshots	The operation that you want to perform. Set this parameter to DescribeSnapshots.
FileSystemId	String	No	extreme-22fd123	The ID of the file system.
PageNumber	Integer	No	1	The page number that you query in the snapshot list, which starts from 1. Default value: 1.
PageSize	Integer	No	10	The number of entries on each page. Maximum value: 100. Default value: 10.
SnapshotIds	String	No	s-extreme-xxxxxxxxxx,s-extreme-yyyyyyyyyy,s-extreme-zzzzzzzzzz	The IDs of snapshots. You can specify a maximum of 100 snapshot IDs at a time. You must separate each snapshot ID with a comma (,).
SnapshotName	String	No	FinanceJoshua	The name of the snapshot.
SnapshotType	String	No	all	The type of the snapshot. Default value: all. Valid values: • auto: automatic snapshots. • user: manual snapshots. • all: either automatic or manual snapshots.

Parameter	Type	Required	Example	Description
Status	String	No	all	The status of the snapshot. Default value: all. Valid values: · progressing: The snapshot is being created. · accomplished: The snapshot is created. · failed: The snapshot creation failed. · all: The status of the snapshot is progressing, accomplished, or failed.

Response parameters

Parameter	Type	Example	Description
PageNumber	Integer	1	The page number that you query in the snapshot list.
PageSize	Integer	10	The number of entries on each page.
RequestId	String	473469C7-AA6F-4DC5-B3DB-A3DC0DE3C83E	The ID of the request.
Snapshots			The details of snapshots.
CreateTime	String	2014-07-24T13:00:52Z	The time when the automatic snapshot policy was created. The time follows the ISO 8601 standard in the format of yyyy-MM-ddTHH:mm:ssZ. The time is displayed in UTC.
Description	String	FinanceDept	The description of the snapshot.
Progress	String	100	The progress of a snapshot being created. Unit: percent (%).

Parameter	Type	Example	Description
RemainTime	Integer	38	The remaining time until a snapshot is created. Unit: seconds.
RetentionDays	Integer	30	The number of days that an automatic snapshot is retained.
SnapshotId	String	s-extreme-snapshotid1	The ID of the snapshot.
SnapshotName	String	FinanceJoshua	The name of the snapshot. This parameter is returned if a name was specified for the snapshot during creation.
SourceFileSystemId	String	extreme-012321d	The ID of the source file system. After the source file system of a snapshot is deleted, this parameter remains the same.
SourceFileSystemSize	Long	2000	The capacity of the source file system. Unit: GB.
Status	String	accomplished	The status of the snapshot. Valid values: progressing, accomplished, and failed.
TotalCount	Integer	36	The total number of snapshots.

Examples

Sample request

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=DescribeSnapshots&FileSystemType=extreme&<Common request parameters>...
```

Sample success response

JSON format

```
{
  " PageNumber ": 1 ,
  " TotalCount ": 1 ,
  " PageSize ": 10 ,
  " RequestId ":" DBECAD38 - CFA8 - 4799 - A746 - BAEF6ABA0C 4F ",
  " Snapshots ":{
    " Snapshot ":[
      {
        " Status ":" progressin g ",
        " Descriptio n ":"",
        " SnapshotNa me ":" xoxo ",
        " CreateTime ":" 1563791255 ",
        " RemainTime ": 0 ,
        " SnapshotId ":" s - extreme - 67pxwk9aev rkrwwj8 ",
        " SourceFile SystemSize ": 1 ,
        " RetentionD ays ":- 1 ,
        " SourceFile SystemId ":" extreme - 06d8cac6 ",
        " Progress ":" 0 "
      }
    ]
  }
}
```

Error codes

[View error codes.](#)

7.8 DescribeAutoSnapshotPolicies

You can call this operation to query the automatic snapshot policies you have created.

Debugging

[Alibaba Cloud provides OpenAPI Explorer to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.](#)

Request parameters

Parameter	Type	Required	Example	Description
FileSystem Type	String	Yes	extreme	The type of the file system. Valid value: extreme.
Action	String	Yes	DescribeAu toSnapshot Policies	The operation that you want to perform. Set this parameter to DescribeAutoSnapshotPolicies.

Parameter	Type	Required	Example	Description
AutoSnapshotPolicyId	String	No	sp-extreme-233e6ylv0	The ID of the automatic snapshot policy.
PageNumber	Integer	No	1	The page number that you query, which starts from 1. Default value: 1.
PageSize	Integer	No	10	The number of entries on each page. Maximum value: 100. Default value: 10.

Response parameters

Parameter	Type	Example	Description
AutoSnapshotPolicies			The details of the automatic snapshot policies.
AutoSnapshotPolicyId	String	FinanceJoshua	The ID of the automatic snapshot policy.
AutoSnapshotPolicyName	String	p-23f2i9s4t	The name of the automatic snapshot policy.
CreateTime	String	2014-04-21T12:08:52Z	The time when the automatic snapshot policy was created. The time follows the ISO8601 standard in the format of yyyy-MM-ddTHH:mm:ssZ. The time is displayed in UTC.
FileSystemNums	Integer	2	The number of file systems to which the automatic snapshot policy applies.
RegionId	String	cn-hangzhou	The ID of the region to which the automatic snapshot policy belongs.

Parameter	Type	Example	Description
RepeatWeek days	String	1,5	The days of a week on which automatic snapshots are created. Valid values: 1 to 7. For example, 1 indicates Monday. One or more days can be specified.
RetentionDays	Integer	30	The retention period of automatic snapshots. Unit: days. Default value: -1. Valid values: -1 and 1-65536. • The value -1 indicates that automatic snapshots are permanently retained. • A value in the range of 1 to 65536 indicates that each automatic snapshot is retained for the specified number of days.
Status	String	Available	The status of the snapshot. Valid values: Creating and Available.
TimePoints	String	4,19	The time at which automatic snapshots are created, measured in hours. Valid values: 0 to 23. The values indicate a total of 24 hours from 00:00 to 23:00. For example, 1 indicates 01:00. Up to 24 hours can be specified. such as 0,1,...,23. Each hour is separated with a comma (,).
PageNumber	Integer	1	The number of the page that you query.

Parameter	Type	Example	Description
PageSize	Integer	10	The number of entries on each page.
RequestId	String	473469C7-AA6F-4DC5-B3DB-A3DC0DE3C83E	The ID of the request.
TotalCount	Integer	2	The total number of automatic snapshot policies.

Examples

Sample request

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=DescribeAutoSnapshotPolicies
&FileSystemType=extreme
&<Common request parameters>
...
```

Sample success response

JSON format

```
{
  "PageNumber": 1,
  "TotalCount": 1,
  "AutoSnapshotPolicies": {
    "AutoSnapshotPolicy": [
      {
        "AutoSnapshotPolicyName": "",
        "RetentionDays": -1,
        "TimePoints": "0, 1, 2",
        "FileSystemNums": 0,
        "AutoSnapshotPolicyId": "sp-extreme-6i0brwewjt0gfylh0",
        "RepeatWeekdays": "1, 2"
      }
    ]
  },
  "PageSize": 10,
  "RequestId": "B208E2EA-E9CC-40E3-BE0B-4FFDDD9CB54B"
}
```

Error codes

[View error codes.](#)

7.9 ModifyAutoSnapshotPolicy

You can call this operation to modify an automatic snapshot policy. After you modify an automatic snapshot policy that is applied to some file systems, the updated policy takes immediate effect on the file systems.

Debugging

Alibaba Cloud provides OpenAPI Explorer to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.

Request parameters

Parameter	Type	Required	Example	Description
AutoSnapshotPolicyId	String	Yes	sp-extreme-233e6ylv0	The ID of the automatic snapshot policy. You can call the DescribeAutoSnapshotPolicies operation to view your available automatic snapshot policies.
Action	String	No	ModifyAutoSnapshotPolicy	The operation that you want to perform. Set this parameter to ModifyAutoSnapshotPolicy.
AutoSnapshotPolicyName	String	No	FinanceJoshua	The name of the automatic snapshot policy. The policy is only modified if this parameter is specified.

Parameter	Type	Required	Example	Description
RepeatWeek days	String	No	1,7	The days of a week on which automatic snapshots are created. Valid values: 1 to 7. For example, 1 indicates Monday. You can specify multiple days if you want to create automatic snapshots on multiple days during the week. • You can specify up to 7 days over a one week period. • You must separate each day with a comma (,).
RetentionDays	Integer	No	30	The retention period of automatic snapshots. Unit: days. Default value: -1. Valid values: • -1: Automatic snapshots are permanently retained. • 1-65536: Each automatic snapshot is retained for the specified number of days.

Parameter	Type	Required	Example	Description
TimePoints	String	No	0,1	The time at which automatic snapshots are created, measured in hours. Valid values: 0 to 23. The values indicate a total of 24 hours from 00:00 to 23:00. For example, 1 indicates 01:00 . When you want to create multiple automatic snapshots on a specific day, · you can specify up to 24 hours. · You must separate each hour with a comma (,).

Response parameters

Parameter	Type	Example	Description
RequestId	String	473469C7-AA6F-4DC5-B3DB-A3DC0DE3C83E	The ID of the request. The request ID is returned, regardless of whether the operation is successful .

Examples

Sample request

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=
ModifyAutoSnapshotPolicy
&AutoSnapshotPolicyId=sp-extreme-6i0brwewjt0gfylh0
&AutoSnapshotPolicyName=xoxo
&<Common request parameters>
...
```

Sample success response

JSON format

```
{
  "RequestId": "12FA778B-C8D3-4D2B-88AD-C10ED0326C57"
```

```
}
```

Error codes

[View error codes.](#)

7.10 ResetFileSystem

You can call this operation to restore a file system to the status when a snapshot was created.

Description

- The file system must be functioning as expected.
- The specified snapshot ID must be the ID of a snapshot that was created for the file system.

Debugging

[Alibaba Cloud provides OpenAPI Explorer to simplify API usage. You can use OpenAPI Explorer to search for APIs, call APIs, and dynamically generate SDK example code.](#)

Request parameters

Parameter	Type	Required	Example	Description
FileSystemId	String	Yes	extreme-012ddfsdf	The ID of the file system.
snapshotId	String	Yes	s-extreme-snapshotid1	The ID of the snapshot to which the file system is restored.
Action	String	Yes	ResetFileS ystem	The operation that you want to perform. Set this parameter to ResetFileSystem.

Response parameters

Parameter	Type	Example	Description
RequestId	String	473469C7-AA6F-4DC5-B3DB-A3DC0DE3C83E	The ID of the request.

Examples

Sample request

```
GET https://nas.cn-hangzhou.aliyuncs.com/?Action=
ResetFileSystem
&FileSystemId=extreme-xoxo
&SnapshotId=s-extreme-67pxwk9aev-rkrwwj8
&<Common request parameters>
...
```

Sample success response

JSON format

```
{
  "RequestId": "12FA778B-C8D3-4D2B-88AD-C10ED0326C57"
}
```

Error codes

[View error codes.](#)

8 Error code list

Various error code messages are returned when API exceptions occur.

Error code

An error code is composed of four parts.

Component	Definition
HttpCode	HTTP response code that complies with HTTP syntax
Code	Error code
Message	Error message
Resolution	Recommended solution

Error code list

HttpCode	Code	Message	Resolution
500	InternalServerError	The request processing has failed due to some unknown error.	Please try again later.
503	ServiceUnavailable	The request has failed due to a temporary failure of the server.	Please try again later.
504	ServiceTimeout	The request processing has failed due to timeout.	Please try again later.
503	SecurityToken. CheckFailed	The security token check has failed due to some internal error.	Please try again later.
503	SecurityToken. DecodeFailed	The security token decode has failed due to some internal error.	Please try again later.

HttpCode	Code	Message	Resolution
503	SubRam.CheckFailed	The sub user Ram check has failed due to some internal error.	Please try again later.
503	VpcRam.CheckFailed	The Vpc ram check has failed due to some internal error.	Please try again later.
503	VpcSubRam.CheckFailed	The Vpc sub user ram check has failed due to some internal error.	Please try again later.
400	Missingparameter.calleruid	Parameter `callerUid` is mandatory for this action.	Add the callerUid request parameter.
400	MissingParameter.RegionId	Parameter `RegionId` in endpoint is mandatory for this action.	Add the <i>RegionId</i> field to the domain name.
400	MissingParameter.VSwitchId	Parameter `VSwitchId` is mandatory for this action.	Add the VSwitchId request parameter.
400	MissingParameter.VpcId	Parameter `VpcId` is mandatory for this action.	Add the VpcId request parameter.
400	InvalidParameter.StorageType	Parameter `StorageType` is mandatory for this action.	A valid StorageType request parameter must contain Performance and Capacity.
400	InvalidParameter.ProtocolType	Parameter ProtocolType is mandatory for this action.	A valid ProtocolType request parameter must contain NFS and SMB.

HttpCode	Code	Message	Resolution
400	InvalidParameter. Description	Parameter Description is mandatory for this action.	A valid Description string must contain Chinese and English characters in addition to @, #, \$, -, +, and -.
404	InvalidFileSystem. NotFound	The specified FileSystem does not exist.	The specified file system does not exist or has been deleted.
403	InvalidFileSystem. AlreadyExisted	The specified FileSystem has been already existed.	The specified file system already exists. You can call DescribeFileSystems and specify the file system ID to view its information.
404	InvalidMountTarget. NotFound	The specified MountTarget does not exist.	The specified mount point does not exist or has been deleted.
404	InvalidAccessGroup. NotFound	The specified Account does not exist.	The specified permission group does not exist or has been deleted.
403	InvalidAccessGroup. AlreadyExisted	The specified AccessGroup has been already existed.	The specified permission group already exists. You can call DescribeMountTargets and specify the permission group to view its information.

HttpCode	Code	Message	Resolution
403	InvalidAccessGroup. AlreadyAttached	The specified AccessGroup is still attached by some MountTarget(s).	The specified permission group is bound with one or more mount points. Unbind the mount points first before deleting the permission group.
404	InvalidAccessRule. NotFound	The specified AccessRule does not exist.	The specified permission rule does not exist or has been deleted.
404	InvalidLocatin. NotFound	The specified Location is not found or is not supported.	The requested Location does not exist or is not currently providing services.
404	InvalidRegionId. NotFound	The specified Region is not found.	The requested Region does not exist or is not currently providing services.
404	InvalidAZone. NotFound	The specified AZone is not found.	The requested AZone does not exist or is not currently providing services.
404	InvalidVpc. NotFound	The specified EcsId is not found.	The specified VPC does not exist. Create a VPC first.
404	InvalidVip. NotFound	The specified Vip is not found.	The specified VPC is not found. Make sure you use correct and valid VPC information.
404	InvalidLBid. NotFound	The specified LBid is not found.	The system failed to create LBid. Please try again later.

HttpCode	Code	Message	Resolution
404	InvalidVpcTunnelId.NotFound	The specified vpc tunnelId is not found.	The specified VPC <i>tunnelId</i> does not exist. Check the VPC information first.
404	InvalidVpc.CreationFailed	The specified vpc instance creation failed.	Failed to create the specified VPC instance. Make sure you use correct and valid VPC information and there is available IP space for the instance, and then try again.
403	OperationDenied.DefaultAccessGroupCannotDelete	The default AccessGroup can not be deleted.	You can edit the operation-customized permission group.
403	OperationDenied.DefaultAccessGroupCannotModify	The default AccessGroup can not be modified.	You can edit the operation-customized permission group.
403	OperationDenied.NetworkTypeNotMatched	The NetworkType of MountTarget is not matched with AccessGroup.	Make sure the NetworkType of the mount point and the AccessGroupType of the permission group are consistent.
403	OperationDenied.MountTargetNotEmpty	There are still MountTarget(s) on the specified FileSystem.	The specified file system has one or more mount points. Delete the existing mount points first.
403	OperationDenied.FileSystemCountsExceeded	The amount of FileSystem has reached its limits(maximum 10).	To increase the limit, open a ticket .

HttpCode	Code	Message	Resolution
403	OperationDenied. MountTargetCountsExceeded	The amount of MountTarget has reached its limits (maximum 2 per FileSystem).	To increase the limit, open a ticket .
403	OperationDenied. AccessGroupCountsExceeded	The amount of AccessGroup has reached its limits.	To increase the limit, open a ticket .
403	OperationDenied. AccessRuleCountsExceeded	The amount of AccessRule has reached its limits.	To increase the limit, open a ticket .
403	User. Disabled	Your account does not open Nas Service yet or balance is insufficient.	If you have not activated the NAS service, activate the service first.
403	Forbidden. InvalidUserType	The operation is not permitted due to type of account.	Sorry, but NAS-Open API does not currently support your account type.
403	Forbidden.Ram	User not authorized to operate on the specified resource, or this API doesn't support RAM.	Your account RAM permission verification failed . Go to RAM to authorize required NAS permissions.
403	Forbidden. EcsTokenNotAuthorized	User not authorized to check ecs on creating MountTarget of classic network type.	Go to RAM to authorize NAS permissions to visit the ECS verification interface.

HttpCode	Code	Message	Resolution
403	NotQualified	User has not been approved for the trail application.	Please initiate an application to try the related features. If your application fails to be approved, open a ticket .

Response example of error codes

- XML format

```
<? xml version =" 1 . 0 " encoding =" UTF - 8 "? >
< Error >
  < RequestId > B71B4C68 - 6C6B - 4D4B - AD70 - 8951BD7D18 8E </
RequestId >
  < HostId > nas . cn - hangzhou . aliyuncs . com </ HostId >
  < Code > InvalidFil eSystem . NotFound </ Code >
  < Message > The specified file system does not exist
</ Message >
</ Error >
```

- JSON format

```
{
  " RequestId ": " B71B4C68 - 6C6B - 4D4B - AD70 - 8951BD7D18 8E ",
  " HostId ": " nas . cn - hangzhou . aliyuncs . com ",
  " Code ": " InvalidFil eSystem . NotFound ",
  " Message ": " The specified file system does not
exist "
}
```