

Alibaba Cloud ServerMigrationCenter

API Reference

Issue: 20190821

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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</code> font	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>switch {stand slave}</code>

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1 API overview

A wide range of API operations are available with SMC. If you are familiar with network service protocols and more than one programming language, we recommend that you use the SMC API to migrate source servers to Alibaba Cloud.

Limits

There are limits on the number of migration sources that can be imported as well as the number of migration tasks that can be created or concurrently executed. For more information, see [#unique_4](#). When API descriptions, optional parameter values, and available specifications are not consistent with the limits, the limits take precedence.

Instructions

This service supports HTTP and HTTPS requests as well as GET and POST methods. For more information about how to call the SMC API, see [#unique_5](#).

Alibaba Cloud provides a quick start guide for the SMC API. For more information, see [#unique_6](#). For more information about the SMC API, see [#unique_7](#).

2 List of operations by function

The following tables list API operations available for use in SMC.

For more information, see [OpenAPI Explorer](#).

Migration source-related operations

Operation	Description
#unique_9	Queries one or more migration sources.
#unique_10	Deletes a migration source.
#unique_11	Modifies the name and description of a migration source.

Migration task-related operations

Operation	Description
#unique_12	Creates a migration task.
#unique_13	Queries one or more migration tasks.
#unique_14	Deletes a migration task.
#unique_15	Modifies the attributes of a migration task.
#unique_16	Starts a migration task.
#unique_17	Stops a migration task.

3 Quick start

This topic uses `CreateReplicationJob` to demonstrate how to call the SMC API through developer tools such as Alibaba Cloud CLI, OpenAPI Explorer, and Alibaba Cloud SDK.

Use OpenAPI Explorer to call the SMC API

This example uses Alibaba Cloud CLI to call the operation to create a migration task. Before calling the operation, read the instructions in the API documentation and query the values of required request parameters. If an error occurs during API calling, you can view troubleshooting suggestions in the corresponding API documentation.

Prerequisites

Make sure that you have installed and configured Alibaba Cloud CLI. For detailed steps, see [Install CLI](#) and [Configure CLI](#).

Procedure

To call the operation from Alibaba Cloud CLI, perform the following steps:

1. Run the following command to obtain the IDs of migration sources:

```
aliyun smc DescribeSourceServers
```

2. Run the following command to call the `CreateReplicationJob` operation to create a migration task:

```
aliyun smc CreateReplicationJob -- RegionId <TheRegionId> -- SourceId <SourceId> -b p1ebo013 ***** 1jv
```

If the following information is returned, migration task creation has been initiated.

```
{"RequestId": "16B856F6-EFFB-4397-8A8A-CB73FA*****", "JobId": "j-2ze33rsym*****srq"}
```

3. Run the following command to call the `DescribeReplicationJobs` operation to query the status of created migration tasks:

```
aliyun smc DescribeReplicationJobs -- JobId j-2ze33rsym ***** srq
```

Use OpenAPI Explorer to call the SMC API

This example uses OpenAPI Explorer to call the operation to create a migration task. Before calling the operation, read the instructions in the API documentation and

query the values of required request parameters. If an error occurs during API calling, you can view troubleshooting suggestions in the corresponding API documentation.

To call the operation from Alibaba Cloud CLI, perform the following steps:

1. Call the [DescribeSourceServers](#) operation to obtain the IDs of migration sources.
2. Call the [CreateReplicationJob](#) operation to create a migration task.
3. Call the [DescribeReplicationJobs](#) operation to query the status of created migration tasks.

For more information about OpenAPI Explorer, see [What is OpenAPI Explorer?](#). For more information about the SMC API, see [List of operations by function](#).

Use Java SDK to call the SMC API

This example uses Java SDK to call the operation to create a migration task. You can obtain the SMC SDK from [Github Repo Alibaba Cloud](#). Before calling the operation, read the instructions in the API documentation and query the values of required request parameters. If an error occurs during API calling, you can view troubleshooting suggestions in the corresponding API documentation.



Note:

In the following SDK example, `< AccessKey >` (your AccessKey ID), `< AccessSecret >` (your AccessKey Secret), `< RegionId >` (the ID of the target Alibaba Cloud region), and `< SystemDisk Size >` (the system disk size of the target Alibaba Cloud ECS instance) must be specified based on actual needs. For more information, see [Create an AccessKey](#), [Regions and zones](#), and [Migration task request parameters](#).

```
import com.aliyuncs.DefaultAcsClient;
import com.aliyuncs.IAcsClient;
import com.aliyuncs.exceptions.ClientException;
import com.aliyuncs.exceptions.ServerException;
import com.aliyuncs.profile.DefaultProfile;
import com.google.gson.Gson;
import java.util.*;
import com.aliyuncs.smc.model.v20190601.*;

public class smcDemo {

    public static void main (String [] args) {
        DefaultProfile profile = DefaultProfile.getProfile
("< RegionId >", "< AccessKey >", "< AccessSecret >");
        IAcsClient client = new DefaultAcsClient ( profile );

        CreateReplicationJobRequest request = new
CreateReplicationJobRequest ();
        request.setSystemDiskSize ( 150 );
        request.setSourceId ("s-bp1ebo013 ***** 1jv ");
```

```
        try {
            CreateRepl icationJob Response response = client .
getAcsResp onse ( request );
            System . out . println ( new Gson (). toJson ( response
));
        } catch ( ServerExce ption e ) {
            e . printStack Trace ();
        } catch ( ClientExce ption e ) {
            System . out . println ( " ErrCode :" + e . getErrCode
());
            System . out . println ( " ErrMsg :" + e . getErrMsg ());
            System . out . println ( " RequestId :" + e . getRequest
Id ());
        }
    }
}
```

4 Make API requests

The SMC API is an RPC-based API and can be called using the GET and POST methods. This topic describes how to call the SMC API. Every request made to the SMC API must be signed and authenticated.

API calling tools

You can use developer tools such as OpenAPI Explorer, Alibaba Cloud CLI, Cloud Shell, and SDKs to debug and call Alibaba Cloud APIs.

- OpenAPI Explorer

OpenAPI Explorer is a Web-based, visual API calling tool. The URL of the OpenAPI Explorer is <https://api.aliyun.com>. You can call Alibaba Cloud APIs and view the API request structure and response in the OpenAPI Explorer. For more information, see [Alibaba Cloud OpenAPI Explorer User Guide](#).

- Alibaba Cloud CLI

Alibaba Cloud CLI is an open source tool built on Alibaba Cloud Go SDK. You can use Alibaba Cloud CLI to manage your Alibaba Cloud resources.

For more information, see [Alibaba Cloud CLI User Guide](#).

- Cloud Shell

Cloud Shell is a Web-based command line tool. You can use Cloud Shell from any browser to run cloud commands and manage Alibaba Cloud resources.

For more information, see [Alibaba Cloud Cloud Shell User Guide](#).

- SMC SDK

You can obtain SMC SDKs from [Github Repo Alibaba Cloud](#).

Request structure

This section describes the structure of an API request made over HTTP or HTTPS. The URL format of a GET request is as follows:

```
http ( s ):// Endpoint /? Action = xx & Parameters
```

- Endpoint : the cloud service access point. Example: `smc . aliyuncs . com` .
- Action : the operation to be performed for the current request. For example, you can create a migration task by specifying this value as `CreateReplicationJob`.

- Parameters : the request parameters, consisting of both common and API-specific request parameters. Separate each parameter with an ampersand (&).

The following example shows how to call the `CreateReplicationJob` operation:

```
https://smc.aliyuncs.com/?Action=CreateReplicationJob
&SystemDiskSize=125
&Commonrequestparameters
```

Endpoints

The endpoint of the SMC API is `smc.aliyuncs.com`.

Common parameters

The following table describes common request parameters used when you send GET requests through the URL to call the SMC API.

Parameter	Type	Required	Example	Description
Action	String	Yes	CreateReplicationJob	The operation that you want to perform. For more information about the parameter values, see #unique_7 .
AccessKeyId	String	Yes	LTAIp4*****fjx	The AccessKey ID. For more information, see #unique_22 .
Signature	String	Yes	OLeaidS1Jv xuMvnyHOWu J%2BuX5qY% 3D	Your signature. For more information about RPC-based API signatures, see #unique_26 .
SignatureMethod	String	Yes	HMAC-SHA1	The signature method. Set the value to HMAC-SHA1.
SignatureVersion	String	Yes	1.0	The version of the signature algorithm. Set the value to 1.0.
SignatureNonce	String	Yes	3ee8c1b8- ****-44af-****- 4e0ad82fd6cf	A unique random number that is used to prevent network replay attacks. Different random numbers must be used for different requests.
Timestamp	String	Yes	2018-01-01T12: 00:00Z	The timestamp of the request. Specify the time in the ISO 8601 standard in the <code>yyyy-MM-ddTHH:mm:ssZ</code> format. The time must be in UTC.

Parameter	Type	Required	Example	Description
Version	String	Yes	2014-08-28	The API version to use. The value must be in the <code>YYYY-MM-DD</code> format. Set the value to 2019-06-01.
Format	String	No	json	The output format of the response. Valid values: json and xml. Default value: json

RAM authentication

The following table describes the authentication rules for some API operations. For more information about the Alibaba Cloud Resource Name (ARN) formats of SMC API resources, see [RAM terms](#).

Action	ARN value
DeleteSourceServer	acs:smc:\$regionid:\$accountid:sourceServer/\$sourceId
DescribeSourceServers	acs:smc:\$regionid:\$accountid:sourceServer/*
ModifySourceServerAttribute	acs:smc:\$regionid:\$accountid:sourceServer/\$sourceId
CreateReplicationJob	- acs:smc:\$regionid:\$accountid:sourceServer/\$sourceId - acs:smc:\$regionid:\$accountid:replicationJob/*
DeleteReplicationJob	acs:smc:\$regionid:\$accountid:replicationJob/\$jobId
DescribeReplicationJobs	acs:smc:\$regionid:\$accountid:replicationJob/*
ModifyReplicationJobAttribute	acs:smc:\$regionid:\$accountid:replicationJob/\$jobId
StartReplicationJob	acs:smc:\$regionid:\$accountid:replicationJob/\$jobId
StopReplicationJob	acs:smc:\$regionid:\$accountid:replicationJob/\$jobId

5 Migration sources

5.1 DeleteSourceServer

You can call this operation to delete a migration source.

Description

- If the migration source is in use by a running migration task, it cannot be deleted.
- If the migration source is in use by a migration task that is not in the running state, you must set `Force = true` to delete the migration source.

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
SourceId	String	Yes	S-XXXXXXXXXX XXXXX	The ID of the migration source to be deleted.
Action	String	No	DeleteSourceServer	The operation that you want to perform. Set this parameter to DeleteSourceServer.
Force	Boolean	No	true	Specifies whether to forcibly delete the migration source. · true: specifies to forcibly delete the migration source, the corresponding migration task, and the intermediate resources of the task. · false: specifies to not delete the migration source if it is in use by a migration task.

Response parameters

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

Examples

Sample request

```
http ( s ):// smc . aliyuncs . com /? Action = DeleteSourceServer  
& SourceId = s - xxxxxxxxxxxx xxxxx  
&< Common request parameters >
```

Sample success response

XML format

```
< DeleteSourceServerResponse >  
  < RequestId > 473469C7 - AA6F - 4DC5 - B3DB - A3DC0DE3C8 3E </  
  RequestId >  
</ DeleteSourceServerResponse >
```

JSON format

```
{  
  " RequestId ":" 473469C7 - AA6F - 4DC5 - B3DB - A3DC0DE3C8 3E "  
}
```

Error codes

HTTP status code	Error code	Error message	Description
400	SourceServerState.Invalid	The specified source server status is invalid.	The error message returned because the operation is not supported while the migration source is in the current state.
400	SourceServer.WithRunningReplicationJob	The specified source server has related replication jobs that are running.	The error message returned because the migration source is in use by a running migration task.

HTTP status code	Error code	Error message	Description
400	ReplicationJob.Related	The specified source server has related replication jobs.	The error message returned because the migration source is in use by a migration task.
500	InternalServerError	An error occurred while processing your request . Please try again. If the problem still exists, please submit a ticket.	The error message returned because an internal error has occurred. Try again later . If the problem persists, submit a ticket.

[View error codes](#)

5.2 DescribeSourceServers

You can call this operation to query one or more migration sources.

Description

You can specify multiple request parameters to be queried. Specified parameters have logical AND relations. Only the parameters that are specified are included in the filtering conditions.

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	No	DescribeSourceServers	The operation that you want to perform. Set this parameter to DescribeSourceServers.
JobId	String	No	j-xxxxxxxxxx xxxxx	The ID of the migration task for the migration source to query.

Parameter	Type	Required	Example	Description
Name	String	No	MySourceServer	The name of the migration source to query. The name must be 2 to 128 characters in length and can contain letters, digits, colons (:), underscores (_), and hyphens (-). It must start with a letter and cannot start with http:// or https://. Default value: null
PageNumber	Integer	No	1	The number of the page to return. Pages start from page 1. Default value: 1
PageSize	Integer	No	10	The number of entries to return on each page. Valid values: 1 to 50 Default value: 10
SourceIdList	RepeatList	No	s-xxxxxxxxxxx xxxxx	The list of migration source IDs.
State	String	No	Available	The status of the migration source. Valid values: · Unavailable · Available · InUse · Deleting

Response parameters

Parameter	Type	Example	Description
PageNumber	Integer	1	The returned page number of the migration source list.

Parameter	Type	Example	Description
PageSize	Integer	10	The number of entries returned on each page.
RequestId	String	766A24CA-AA5D-436E-A525-3B870482195C	The ID of the request.
SourceServers			The array of migration sources.
└AgentVersion	String	1.5.2.3	The version number of the SMC client.
└Architecture	String	x86_64	The system architecture of the migration source.
└CreationTime	String	2019-06-27T02:58:09Z	The creation time of the migration source.
└DataDisks	Array		The array of data disks for the migration source.
└Index	Integer	1	The serial number of data disk N.
└Path	String	/home/data	The path of data disk N.
└Size	Integer	20	The size of data disk N. Unit: GiB.
└Description	String	Server Source Imported By GotoAliyun.	The description of the migration source.
└ErrorCode	String	SourceServer.Offline	The status error code of the migration source.
└HeartbeatRate	Integer	30	The period of time for the SMC heartbeat. Unit: seconds.
└JobId	String	j-xxxxxxxxxxx xxxxxx	The ID of the most recent migration task.

Parameter	Type	Example	Description
<code>KernelLevel</code>	Integer	1	The kernel level of the migration source.
<code>Name</code>	String	SourceServerName	The name of the migration source.
<code>Platform</code>	String	OpenSUSE	The system platform of the migration source.
<code>ReplicationDriver</code>	String	SMT	The replication driver used for migration. Default value: SMT.
<code>SourceId</code>	String	s-xxxxxxxxxxxx	The ID of the migration source.
<code>State</code>	String	InUse	The status of the migration source.
<code>StatusInfo</code>	String	<code>{"error_code": "S1", "error_msg": "Rsync not found. Please install rsync."}</code>	The status information of the migration source. This parameter is only returned when the migration source status is abnormal. This information is returned as a pair of JSON key-value pairs. The keys are as follows: <pre>error_code error_msg</pre>
<code>SystemDiskSize</code>	Integer	40	The system disk size of the migration source. Unit: GiB.

Parameter	Type	Example	Description
<code>SystemInfo</code>	String	<code>{"agent_mode": "daemon", "agent_type": "aliyun", "client_type": "", "cores": "2", "cpu_usage": "0.00", "hostname": "ixxxxxxxxxxx", "ipv4": "10.0.0.1", "memory": "8.00", "memory_usage": "3.61"}</code>	The system information of the migration source. The information is returned as multiple JSON key-value pairs. The maximum size of this returned value is 1 KB. Key-value pairs are extensible and have known fixed keys. Examples of keys are as follows: <pre>AGENT_MODE HOSTNAME IPV4 IPV6 CORES CPU_USAGE MEMORY MEMORY_USAGE</pre>
<code>TotalCount</code>	Integer	1	The total number of migration sources.

Examples

Sample request

```
http ( s ):// smc . aliyuncs . com /? Action = DescribeSourceServers
&< Common request parameters >
```

Sample success response

XML format

```
< DescribeSourceServerResponse >
  < PageNumber > 1 </ PageNumber >
  < PageSize > 10 </ PageSize >
  < RequestId > 766A24CA - AA5D - 436E - A525 - 3B87048219 5C </
RequestId >
  < TotalCount > 1 </ TotalCount >
  < SourceServers >
    < SourceServer >
      < AgentVersion > 1 . 5 . 2 . 3 </ AgentVersion >
      < ReplicationDriver > SMT </ ReplicationDriver >
      < Description > Server Source Imported By GotoAliyun .
    </ Description >
      < SystemDiskSize > 40 </ SystemDiskSize >
      < HeartbeatRate > 30 </ HeartbeatRate >
      < Architecture > x86_64 </ Architecture >
    </ SourceServer >
  </ SourceServers >
</ DescribeSourceServerResponse >
```

```

    < DataDisks >
      < DataDisk >
        < Index > 1 </ Index >
        < Path > / home / data </ Path >
        < Size > 20 </ Size >
      </ DataDisk >
    </ DataDisks >
    < SourceId > s - xxxxxxxxxxxx </ SourceId >
    < SystemInfo > {" agent_mode \":\" daemon \",\" agent_type \":\" aliyun \",\" client_type \" e \":\" \",\" cores \":\" 2 \",\" cpu_usage \":\" 0 . 00 \",\" hostname \":\" ixxxxxxxxx x \",\" ipv4 \":\" 10 . 0 . 0 . 1 \",\" memory \":\" 8 . 00 \",\" memory_usage \":\" 3 . 61 \"} </ SystemInfo >
    < Name > SourceServerName </ Name >
    < CreationTime > 2019 - 06 - 27T02 : 58 : 09Z </ CreationTime >
    < State > InUse </ State >
    < JobId > j - xxxxxxxxxxxx </ JobId >
    < KernelLevel > 1 </ KernelLevel >
    < ErrorCode > / >
    < Platform > OpenSUSE </ Platform >
  </ SourceServer >
</ SourceServers >
</ DescribeSourceServersResponse >

```

JSON format

```

{
  " PageNumber ": 1 ,
  " TotalCount ": 1 ,
  " PageSize ": 10 ,
  " RequestId ": " 766A24CA - AA5D - 436E - A525 - 3B87048219 5C ",
  " SourceServers ": {
    " SourceServer ": [
      {
        " AgentVersion ": " 1 . 5 . 2 . 3 ",
        " ReplicationDriver ": " SMT ",
        " Description ": " Server Source Imported By GotoAliyun .",
        " SystemDiskSize ": 40 ,
        " HeartbeatRate ": 30 ,
        " JobName ": " MyMigrationTask ",
        " Architecture ": " x86_64 ",
        " DataDisks ": {
          " DataDisk ": [
            {
              " Index ": 1 ,
              " Path ": " / home / data ",
              " Size ": 20
            }
          ]
        }
      },
      {
        " SourceId ": " s - xxxxxxxxxxxx x ",
        " SystemInfo ": {" agent_mode \":\" daemon \",\" agent_type \":\" aliyun \",\" client_type \" e \":\" \",\" cores \":\" 2 \",\" cpu_usage \":\" 0 . 00 \",\" hostname \":\" ixxxxxxxxx xx \",\" ipv4 \":\" 10 . 0 . 0 . 1 \",\" memory \":\" 8 . 00 \",\" memory_usage \":\" 3 . 61 \"}",
        " Name ": " sourceServerName ",
        " CreationTime ": " 2019 - 06 - 27T02 : 58 : 09Z ",
        " State ": " InUse ",
        " JobId ": " j - xxxxxxxxxxxx ",
        " KernelLevel ": 1 ,

```

```
    " ErrorCode ":"",  
    " Platform ":" OpenSUSE "  
  }  
]  
}  
}
```

Error codes

[View error codes](#)

5.3 ModifySourceServerAttribute

You can call this operation to modify the name and description of a migration source.

Description

This operation can be called regardless of the status of the migration source.

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
SourceId	String	Yes	s-xxxxxxxxxxx	The ID of the migration source to modify.
Action	String	No	ModifySourceServerAttribute	The operation that you want to perform. Set this parameter to ModifySourceServerAttribute.

Parameter	Type	Required	Example	Description
Description	String	No	This is a source server.	The description of the migration source. The parameter value must meet the following requirements: • It can be up to 256 characters in length. • It cannot start with http:// or https://. • It can be an empty string. Default value: null
Name	String	No	MySourceServer	The name of the migration source. The name must be 2 to 128 characters in length and can contain letters, digits, colons (:), underscores (_), and hyphens (-). It must start with a letter and cannot start with http:// or https://. Default value: null

Response parameters

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

Examples

Sample request

```
http ( s ):// smc . aliyuncs . com /? Action = ModifySourceServerAt tribute
& SourceId = s - xxxxxxxxxxxx x
&< Common request parameters >
```

Sample success response

XML format

```
< ModifySourceServerAttributeResponse >
  < RequestId > 473469C7 - AA6F - 4DC5 - B3DB - A3DC0DE3C8 3E </
    RequestId >
</ ModifySourceServerAttributeResponse >
```

JSON format

```
{
  "RequestId ":" 473469C7 - AA6F - 4DC5 - B3DB - A3DC0DE3C8 3E "
}
```

Error codes

HTTP status code	Error code	Error message	Description
400	SourceServerState.Invalid	The specified source server status is invalid.	The error message returned because the operation is not supported while the migration source is in the current state.
400	SourceServerName.Duplicate	The specified source server name already exists . Please modify the source server name.	The error message returned because the specified migration source name already exists. Modify the migration source name.
500	InternalServerError	An error occurred while processing your request . Please try again. If the problem still exists, please submit a ticket.	The error message returned because an internal error has occurred. Try again later . If the problem persists, submit a ticket.

[View error codes](#)

6 Migration tasks

6.1 CreateReplicationJob

You can call this operation to create a migration task for a migration source.

Description

- Migration tasks can only be created for migration sources that are in the Available state.
- Each migration source can only be associated with a single unfinished migration task. Unfinished states include Ready, Running, Stopped, InError, and Expired.
- Each Alibaba Cloud account can have up to 100 migration tasks.
- When the type of migration destination is image, you must specify the ImageName, SystemDiskSize, and DataDisk parameters.
- When you perform a VPC-based migration, the VSwitchId parameter is required and the VpcId parameter is optional.

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
RegionId	String	Yes	cn-hangzhou	The ID of the Alibaba Cloud region to which the source server is to be migrated. If you want to migrate the source server to Shanghai, the corresponding Alibaba Cloud region ID is <code>cn-shanghai</code> . You can call the DescribeRegions operation to view the latest regions of Alibaba Cloud.

Parameter	Type	Required	Example	Description
SourceId	String	Yes	s-xxxxxxxxxx xxxxx	The ID of the migration source.
SystemDisk Size	Integer	Yes	80	The system disk size of the target Alibaba Cloud ECS instance. Unit: GiB. Valid values: 20 to 500.  Note: The parameter value must be greater than the actual used space of the system disk on the source server. For example, if the size of the source disk was 500 GiB but the actual used space was only 100 GiB, you would only need to set this parameter to a value greater than 100 GiB.
Action	String	No	CreateRepl icationJob	The operation that you want to perform. Set this parameter to CreateReplicationJob.
ClientToke n	String	No	xxxxxxxxxx	A client token that is used to ensure the idempotence of the request.
DataDisk . N . Index	Integer	No	1	The serial number of data disk N for the target Alibaba Cloud ECS instance. Valid values: 1 to 16. The parameter value starts from 1.  Note: This operation can only create target data disks for data disks that exist on the migration source.

Parameter	Type	Required	Example	Description
DataDisk . N . Size	Integer	No	100	The size of data disk N for the target Alibaba Cloud ECS instance. Unit: GiB. Valid values: 20 to 32768.  Note: The parameter value must be greater than the actual used space of the data disk on the source server. For example, if the size of the source disk was 500 GiB but the actual used space was only 100 GiB, you would only need to set this parameter to a value greater than 100 GiB.
Description	String	No	This_is_a_migration_task	The description of the migration task to be created. The description must be 2 to 128 characters in length and can contain letters, digits, colons (:), underscores (_), and hyphens (-). It must start with a letter and cannot start with http:// or https://.

Parameter	Type	Required	Example	Description
ImageName	String	No	MyAliCloud Image	The name of the target Alibaba Cloud image to be delivered by the migration task. The target image name must meet the following requirements: • The image name must be unique in an Alibaba Cloud region. • The name must be 2 to 128 characters in length and can contain letters, digits , colons (:), underscores (_), and hyphens (-). It must start with a letter and cannot start with http:// or https://.  Note: If the specified image name already exists in the region where the migration task is running, the migration task ID is added to the image name as a suffix. Example: ImageName-JobId.
InstanceId	String	No	i-xxxxxxxxxxx xxx	The ID of the target instance.

Parameter	Type	Required	Example	Description
Name	String	No	MigrationTask	The name of the migration task. The migration task name must meet the following requirements: • The task name must be unique. • The name must be 2 to 128 characters in length and can contain letters, digits , colons (:), underscores (_), and hyphens (-). It must start with a letter and cannot start with http:// or https://.
NetMode	Integer	No	0	The network mode in which data is transmitted. • A value of 0 indicates that data is transmitted through the public network. In this case, your source server is required to be able to access the public network , and cloud migration data is transmitted through the public network. • A value of 2 indicates that data is transmitted through the internal network. In this case, the VSwitchId parameter must be specified . The VpcId parameter can be left unspecified, and its value can be retrieved through the SMC API. Default value: 0

Parameter	Type	Required	Example	Description
ReplicationParameters	String	No	BandWidthLimit:0	The replication driver parameters. The parameter information can be up to 2,048 characters in length. The parameters must be specified as key-value pairs in JSON format. The key-value pairs are extensible and have known fixed keys. Different drivers support different parameters. For more information, see SourceServer.ReplicationDriver. For example, the SMT driver supports the following parameters: • BandwidthLimit: specifies the bandwidth limit for data transmission. • CompressLevel: specifies the transmission compression rate. • Checksum: specifies whether to enable the checksum verification. • UseSSHTunnel: specifies whether to enable the SSH encrypted tunnel. • EfficiencyLevel: specifies the efficiency level of data transmission.

Parameter	Type	Required	Example	Description
ScheduledStartTime	String	No	2019-06-04T13:35:00Z	The time when the migration task will be executed. The parameter value must meet the following requirements: - You must specify the time in the ISO 8601 standard in the YYYY-MM-DDThh:mm:ssZ format. The time must be in UTC. Example: 2018-01-01T12:00:00Z. - The value must be within 30 days after the current time.  Note: If this parameter is not specified, the migration task will not be started automatically. You must call the StartReplicationJob operation to start the task.
TargetType	String	No	image	The type of migration destination to be delivered by the migration task. Set the value to image. After successful migration, SMC will generate an Alibaba Cloud image for the migration source. You can use this image to create an ECS instance and complete the migration to Alibaba Cloud.
VSwitchId	String	No	xxxxxxxxxx xxxx	The ID of the VSwitch to connect to the specified VPC.

Parameter	Type	Required	Example	Description
ValidTime	String	No	2019-06-04T13:35:00Z	The time when the migration task is set to expire. You can schedule the migration task to expire on a date within 7 to 90 days of creation. - Specify the time in the ISO 8601 standard in the YYYY-MM-DDThh:mm:ssZ format. The time must be in UTC. Example: 2018-01-01T12:00:00Z. - If this parameter is not specified, the migration task will be permanently valid. - After the task expires, it is marked as expired and retained for seven days. After the seven days have passed, the system will clear the task. The default validity period for a migration task is 30 days after creation.
VpcId	String	No	xxxxxxxxxx xxxx	The ID of the VPC. The specified VPC must have Express Connect or VPN Gateway configured.

Response parameters

Parameter	Type	Example	Description
JobId	String	j-xxxxxxxxxx xxxxx	The ID of the migration task.
RequestId	String	C8B26B44-0189-443E-9816-D951F59623A9	The ID of the request.

Examples

Sample request

```
http ( s ):// smc . aliyuncs . com /? Action = CreateRepl
icationJob
& RegionId = cn - hangzhou
& SourceId = s - xxxxxxxxxxxx xxxxx
& SystemDisk Size = 80
&< Common request parameters >
```

Sample success response

XML format

```
< CreateRepl icationJob Response >
  < JobId > j - 2xxxxxxxxx xxq </ JobId >
  < RequestId > C8B26B44 - 0189 - 443E - 9816 - D951F59623 A9 </
  RequestId >
</ CreateRepl icationJob Response >
```

JSON format

```
{
  " RequestId ":" C8B26B44 - 0189 - 443E - 9816 - D951F59623 A9 ",
  " JobId ":" j - 2xxxxxxxxx xq "
}
```

Error codes

HTTP status code	Error code	Error message	Description
400	SourceServerState.Invalid	The specified source server status is invalid.	The error message returned because the operation is not supported while the migration source is in the current state.
400	ReplicationJobDataDiskIndex.Invalid	The specified replication job contains data disk index not found in source server.	The error message returned because the specified migration task contains data disk indexes not found in the migration source.

HTTP status code	Error code	Error message	Description
400	VSwitchIdVpcId.Mismatch	The specified VSwitchId and VpcId does not match.	The error message returned because the specified VSwitchId and VpcId do not correspond to each other.
400	InvalidSecurityGroupId.IncorrectNetworkType	The network type of the specified security group does not support this action.	The error message returned because the operation is not supported by security groups of the current network type. Check the network type of the security group.
400	InvalidSecurityGroupId.VPCMismatch	The specified security group and the specified virtual switch are not in the same VPC.	The error message returned because the specified security group and VSwitch do not belong to the same VPC.
400	QuotaExceeded.ReplicationJob	The maximum number of replication jobs is exceeded. Please submit a ticket to raise the quota.	The error message returned because the maximum number of migration tasks has been reached. Submit a ticket to raise the quota.
400	ReplicationJobName.Duplicate	The specified replication job name already exists.	The error message returned because the specified migration task name already exists. Modify the migration task name.
500	InternalServerError	An error occurred while processing your request . Please try again. If the problem still exists, please submit a ticket.	The error message returned because an internal error has occurred. Try again later . If the problem persists, submit a ticket.

For more information about error codes, see [API Error Center](#).

6.2 DeleteReplicationJob

You can call this operation to delete a migration task.

Description

- Deleted migration tasks cannot be restored.
- After a migration task is deleted, associated resources such as intermediate instances are automatically released.

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
JobId	String	Yes	j-xxxxxxxxxx	The ID of the migration task to be deleted.
Action	String	No	DeleteReplicationJob	The operation that you want to perform. Set this parameter to DeleteReplicationJob.

Response parameters

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

Examples

Sample request

```
http(s)://smc.aliyuncs.com/?Action=DeleteReplicationJob
&JobId=j-xxxxxxxxxx
&<Common request parameters>
```

Sample success response

XML format

```
< DeleteRepl icationJob Response >
  < RequestId > 473469C7 - AA6F - 4DC5 - B3DB - A3DC0DE3C8 3E </
    RequestId >
</ DeleteRepl icationJob Response >
```

JSON format

```
{
  " RequestId ":" 473469C7 - AA6F - 4DC5 - B3DB - A3DC0DE3C8 3E "
}
```

Error codes

HTTP status code	Error code	Error message	Description
400	ReplicationJob.InvalidStatus	The specified replication job status is invalid.	The error message returned because the operation is not supported while the migration task is in the current state.
500	InternalServerError	An error occurred while processing your request . Please try again. If the problem still exists, please submit a ticket.	The error message returned because an internal error has occurred. Try again later . If the problem persists, submit a ticket.

[View error codes](#)

6.3 DescribeReplicationJobs

You can call this operation to query detailed information for one or more migration tasks.

Description

You can specify multiple request parameters to be queried. Specified parameters have logical AND relations. Only specified parameters will be included in the filtering conditions.

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	No	DescribeReplicationJobs	The operation that you want to perform. Set this parameter to DescribeReplicationJobs.
BusinessStatus	String	No	Preparing	The business status of the migration task to be queried. Valid values: - Preparing - Syncing - Processing - Cleaning
JobId . N	RepeatList	No	j-xxxxxxxxxxx xxxxx	The ID of migration task N. Valid values of N: 1 to 50.
Name	String	No	MyMigrationTask	The name of the migration task.
PageNumber	Integer	No	1	The number of the page to return. Pages start from page 1. Default value: 1
PageSize	Integer	No	10	The number of entries to return on each page. Valid values: 1 to 50 Default value: 10

Parameter	Type	Required	Example	Description
RegionId	String	No	cn-hangzhou	The ID of the Alibaba Cloud region to which the source server is to be migrated. If you want to migrate the source server to Shanghai, set the RegionId parameter to <code>cn-shanghai</code>. You can call the DescribeRegions operation to query the latest regions of Alibaba Cloud.
SourceId . N	RepeatList	No	s-xxxxxxxxxx xxxxx	The ID of migration source N. Valid values of N: 1 to 50.
Status	String	No	Ready	The main status of the migration task. Valid values: · Ready · Running · Stopped · InError · Finished · Expired · Deleting

Response parameters

Parameter	Type	Example	Description
PageNumber	Integer	1	The returned page number of the migration task list.
PageSize	Integer	10	The number of entries returned on each page.
ReplicationJobs			A collection of migration tasks.

Parameter	Type	Example	Description
<code>BusinessStatus</code>	String	Preparing	The business status of the migration task.
<code>CreateTime</code>	String	2014-07-24T13:00:52Z	The time when the migration task was created.
<code>DataDisks</code>			The array of data disks for the target Alibaba Cloud ECS instance.
<code>Index</code>	Integer	1	The serial number of a data disk.
<code>Size</code>	Integer	40	The size of a data disk. Unit: GiB.
<code>Description</code>	String	This is my migration task.	The description of the migration task.
<code>EndTime</code>	String	2019-06-04T16:00:52Z	The time when the migration task was completed.
<code>ErrorCode</code>	String	InternalError	The error code of the migration task.
<code>ImageId</code>	String	xxxxxxxxxx xxxxxx	The ID of the target image delivered by the migration task.
<code>ImageName</code>	String	MyAliCloud Image	The name of the target image delivered by the migration task.
<code>InstanceId</code>	String	i-xxxxxxxxxxxxx	The ID of the target instance.
<code>JobId</code>	String	j-xxxxxxxxxxxxx	The ID of the migration task.
<code>Name</code>	String	MyMigrationTask	The name of the migration task.
<code>NetMode</code>	Integer	0	The network type used for migration.

Parameter	Type	Example	Description
└Progress	Float	55.45	The overall progress of the migration task.
└RegionId	String	cn-hangzhou	The ID of the Alibaba Cloud region to which the source server is to be migrated.
└ReplicationParameters	String	BandWidthLimit:0	The replication driver parameters.
└ScheduledStartTime	String	2019-06-04T 13:35:00Z	The time when the migration task was executed.
└SourceId	String	s-xxxxxxxxxxxx	The ID of the migration source.
└StartTime	String	2019-06-04T14:40:52Z	The start time of the migration task.
└Status	String	Running	The main status of the migration task.
└StatusInfo	String	statusinfo	The migration status information.
└SystemDiskSize	Integer	40	The system disk size of the target Alibaba Cloud ECS instance.
└TargetType	String	image	The type of migration destination delivered by the migration task.
└TransitionInstanceId	String	instanceid2	The ID of the intermediate instance.
└VSwitchId	String	xxxxxxxxxxxx xxxxxx	The ID of the VSwitch connected to the specified VPC.
└ValidTime	String	2019-06-08T14:40:52Z	The time when the migration task is set to expire.

Parameter	Type	Example	Description
VpcId	String	xxxxxxxxxx xxxxx	The ID of the VPC. The specified VPC must have Express Connect or VPN Gateway configured.
RequestId	String	473469C7-AA6F- -4DC5-B3DB- A3DC0DE3C83E	The ID of the request.
TotalCount	Integer	5	The total number of migration tasks.

Examples

Sample request

```
http ( s ) : // s m c . a l i y u n c s . c o m / ? A c t i o n = D e s c r i b e R e
p l i c a t i o n J o b s
& < C o m m o n   r e q u e s t   p a r a m e t e r s   >
```

Sample success response

XML format

```
< DescribeReplicationJobsResponse >
  < PageNumber > 1 </ PageNumber >
  < PageSize > 10 </ PageSize >
  < ReplicationJobs >
    < ReplicationJob >
      < BusinessStatus > Preparing </ BusinessStatus >
      < CreationTime > 2014 - 07 - 24T13 : 00 : 52Z </ CreationTime >
      < DataDisks >
        < DataDisk >
          < Index > 1 </ Index >
          < Size > 40 </ Size >
        </ DataDisk >
      </ DataDisks >
      < Description > This is my migration task . </
Description >
      < EndTime > 2019 - 06 - 04T16 : 00 : 52Z </ EndTime >
      < ErrorCode > InternalError </ ErrorCode >
      < ImageId > xxxxxxxxxxx xxxxx </ ImageId >
      < ImageName > MyAilCloud Image </ ImageName >
      < InstanceId > i - xxxxxxxxxxx xxxxx </ InstanceId >
      < JobId > j - xxxxxxxxxxx xxxxx </ JobId >
      < Name > MyMigrationTask </ Name >
      < NetMode > 0 </ NetMode >
      < Progress > 55 . 45 </ Progress >
      < RegionId > cn - hangzhou </ RegionId >
      < ReplicationParameters > BandWidthLimit : 0 </
ReplicationParameters >
```

```

    < ScheduledS tartTime > 2019 - 06 - 04T13 : 35 : 00Z </
ScheduledS tartTime >
    < SourceId > s - xxxxxxxxxxxx xxxxx </ SourceId >
    < StartTime > 2019 - 06 - 04T14 : 40 : 52Z </ StartTime >
    < Status > Running </ Status >
    < StatusInfo > statusinfo </ StatusInfo >
    < SystemDisk Size > 40 </ SystemDisk Size >
    < TargetType > image </ TargetType >
    < Transition InstanceId > instanceid 2 </ Transition
InstanceId >
    < VSwitchId > xxxxxxxxxxxx xxxxx </ VSwitchId >
    < VaildTime > 30 </ VaildTime >
    < VpcId > xxxxxxxxxxxx xxxxx </ VpcId >
  </ Replicatio nJob >
</ Replicatio nJobs >
  < RequestId > 473469C7 - AA6F - 4DC5 - B3DB - A3DC0DE3C8 3E </
RequestId >
  < TotalCount > 5 </ TotalCount >
</ DescribeRe plicationJ obsRespons e >

```

JSON format

```

{
  " PageNumber ": 1 ,
  " TotalCount ":" 5 ",
  " PageSize ": 10 ,
  " RequestId ":" 473469C7 - AA6F - 4DC5 - B3DB - A3DC0DE3C8 3E ",
  " Replicatio nJobs ":{
    " Replicatio nJob ":[
      {
        " VpcId ":" xxxxxxxxxxxx xxxxx ",
        " ImageId ":" xxxxxxxxxxxx xxxxx ",
        " InstanceId ":" i - xxxxxxxxxxxx xxxxx ",
        " VSwitchId ":" xxxxxxxxxxxx xxxxx ",
        " StatusInfo ":" statusinfo ",
        " ImageName ":" MyAilCloud Image ",
        " ScheduledS tartTime ":" 2019 - 06 - 04T13 : 35 : 00Z ",
        " BusinessSt atus ":" Preparing ",
        " JobId ":" j - xxxxxxxxxxxx xxxxx ",
        " StartTime ":" 2019 - 06 - 04T14 : 40 : 52Z ",
        " Descriptio n ":" This is my migration task .",
        " SystemDisk Size ":" 40 ",
        " TargetType ":" image ",
        " VaildTime ":" 30 ",
        " DataDisks ":{
          " DataDisk ":[
            {
              " Index ":" 1 ",
              " Size ":" 40 "
            }
          ]
        }
      }
    ],
    " Replicatio nParameter s ":" BandWidthL imit : 0 ",
    " NetMode ":" 0 ",
    " SourceId ":" s - xxxxxxxxxxxx xxxxx ",
    " Progress ":" 55 . 45 ",
    " Name ":" MyMiagrati onTask ",
    " CreationTi me ":" 2014 - 07 - 24T13 : 00 : 52Z ",
    " Status ":" Running ",
    " RegionId ":" cn - hangzhou ",
    " Transition InstanceId ":" instanceid 2 ",
    " EndTime ":" 2019 - 06 - 04T16 : 00 : 52Z ",
    " ErrorCode ":" InternalEr ror "
  }
}

```

```
}  
]  
}  
}
```

Error codes

[View error codes](#)

6.4 ModifyReplicationJobAttribute

You can call this operation to modify the attributes of a migration task.

Description

You can only modify the attributes of a migration task before the task starts.

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
JobId	String	Yes	j-xxxxxxxxxxx	The ID of the migration task for which to modify attributes.
Action	String	No	ModifyReplicationJobAttribute	The operation that you want to perform. Set this parameter to ModifyReplicationJobAttribute.

Parameter	Type	Required	Example	Description
DataDisk . N . Index	Integer	No	1	The serial number of data disk N for the target Alibaba Cloud ECS instance. Valid values: 1 to 16. The parameter value starts from 1.  Note: This operation can only create target data disks for data disks that exist on the source server.
DataDisk . N . Size	Integer	No	100	The size of data disk N for the target Alibaba Cloud ECS instance. Unit: GiB. Valid values: 20 to 32768.  Note: The parameter value must be greater than the actual used space of the data disk on the source server. For example, if the size of the source disk was 500 GiB but the actual used space was only 100 GiB, you would only need to set this parameter to a value greater than 100 GiB.

Parameter	Type	Required	Example	Description
Description	String	No	This_is_my_migration_task	The description of the migration task. The description must be 2 to 128 characters in length and can contain letters, digits, colons (:), underscores (_), and hyphens (-). It must start with a letter and cannot start with http:// or https://.
ImageName	String	No	MyAliCloud Image	The name of the target image to be delivered by the migration task. The target image name must meet the following requirements: • The image name must be unique in an Alibaba Cloud region. • The name must be 2 to 128 characters in length and can contain letters, digits, colons (:), underscores (_), and hyphens (-). It must start with a letter and cannot start with http:// or https://.  Note: If the specified image name already exists in the region where the migration task is running, the migration task ID is added to the image name as a suffix. Example: ImageName-JobId.
InstanceId	String	No	i-xxxxxxxxxx	The ID of the target instance.

Parameter	Type	Required	Example	Description
Name	String	No	MyMigrationTask	The name of the migration task. The migration task name must meet the following requirements: • The task name must be unique. • The name must be 2 to 128 characters in length and can contain letters, digits, colons (:), underscores (_), and hyphens (-). It must start with a letter and cannot start with http:// or https://.
ScheduledStartTime	String	No	2019-06-04T13:35:00Z	The time when the migration task will be executed. SMC automatically starts the migration task at the specified time. Specify the time in the ISO 8601 standard in the YYYY-MM-DDThh:mm:ssZ format. • The time must be in UTC. Example: 2018-01-01T12:00:00Z •  Note: If this parameter is not specified, the migration task will not be started automatically. You must call the StartReplicationJob operation to start the task.

Parameter	Type	Required	Example	Description
SystemDiskSize	Integer	No	50	The system disk size of the target Alibaba Cloud ECS instance. Unit: GiB. Valid values: 20 to 500.  Note: The parameter value must be greater than the actual used space of the system disk on the source server. For example, if the size of the source disk was 500 GiB but the actual used space was only 100 GiB, you would only need to set this parameter to a value greater than 100 GiB.
TargetType	String	No	image	The type of migration destination to be delivered by the migration task. Set the value to image.  Note: After successful migration, SMC will generate an Alibaba Cloud image for the migration source. You can use this image to create an ECS instance and complete the migration to Alibaba Cloud.

Response parameters

Parameter	Type	Example	Description
RequestId	String	1C488B66-B819-4D14-8711-C4EAAA13AC01	The ID of the request.

Examples

Sample request

```
http ( s ):// smc . aliyuncs . com /? Action = ModifyRepl  
icationJob Attribute  
& JobId = j - xxxxxxxxxxxx x  
&< Common request parameters >
```

Sample success response

XML format

```
< ModifyRepl icationJob AttributeR esponse >  
  < RequestId > 1C488B66 - B819 - 4D14 - 8711 - C4EAAA13AC 01 </  
  RequestId >  
</ ModifyRepl icationJob AttributeR esponse >
```

JSON format

```
{  
  " RequestId ":" 1C488B66 - B819 - 4D14 - 8711 - C4EAAA13AC 01 "  
}
```

Error codes

[View error codes](#)

6.5 StartReplicationJob

You can call this operation to start a migration task.

Description

This operation can only be used to start migration tasks that are in the Ready, Stopped, or InError state.

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
JobId	String	Yes	j-xxxxxxxxxxx xxxx	The ID of the migration task to be started.

Parameter	Type	Required	Example	Description
Action	String	No	StartReplicationJob	The operation that you want to perform. Set this parameter to StartReplicationJob.

Response parameters

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

Examples

Sample request

```
http ( s ) : // s m c . a l i y u n c s . c o m / ? A c t i o n = S t a r t R e p l i c a t i o n J o b
& J o b I d = j - x x x x x x x x x x x x x x x x
& < C o m m o n   r e q u e s t   p a r a m e t e r s   >
```

Sample success response

XML format

```
< StartReplicationJobResponse >
  < RequestId > 473469C7 - AA6F - 4DC5 - B3DB - A3DC0DE3C8 3E </
  RequestId >
</ StartReplicationJobResponse >
```

JSON format

```
{
  " RequestId ":" 473469C7 - AA6F - 4DC5 - B3DB - A3DC0DE3C8 3E "
}
```

Error codes

HTTP status code	Error code	Error message	Description
400	ReplicationJob.InvalidStatus	The specified replication job status is invalid.	The error message returned because the operation is not supported while the migration task is in the current state.

HTTP status code	Error code	Error message	Description
400	SourceServerState.Invalid	The specified source server status is invalid.	The error message returned because the operation is not supported while the migration source is in the current state.
500	InternalServerError	An error occurred while processing your request . Please try again. If the problem still exists, please submit a ticket.	The error message returned because an internal error has occurred. Try again later . If the problem persists, submit a ticket.

[View error codes](#)

6.6 StopReplicationJob

You can call this operation to stop a migration task.

Description

This operation can only be used to stop migration tasks that are in the Running and Syncing states.

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
JobId	String	Yes	j-xxxxxxxxxx xxxxx	The ID of the migration task to be stopped.

Parameter	Type	Required	Example	Description
Action	String	No	StopReplicationJob	The operation that you want to perform. Set this parameter to StopReplicationJob.

Response parameters

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

Examples

Sample request

```
http(s)://smc.aliyuncs.com/?Action=StopReplicationJob
&JobId=j-xxxxxxxxxx
&<Common request parameters>
```

Sample success response

XML format

```
<StopReplicationJobResponse>
  <RequestId>473469C7-AA6F-4DC5-B3DB-A3DC0DE3C83E</
  RequestId>
</StopReplicationJobResponse>
```

JSON format

```
{
  "RequestId": "473469C7-AA6F-4DC5-B3DB-A3DC0DE3C83E"
}
```

Error codes

HTTP status code	Error code	Error message	Description
400	ReplicationJob.InvalidStatus	The specified replication job status is invalid.	The error message returned because the operation is not supported while the migration task is in the current state.

HTTP status code	Error code	Error message	Description
500	InternalServerError	An error occurred while processing your request . Please try again. If the problem still exists, please submit a ticket.	The error message returned because an internal error has occurred. Try again later . If the problem persists, submit a ticket.

[View error codes](#)