

Alibaba Cloud E-MapReduce

FAQ

Issue: 20181130

Legal disclaimer

Alibaba Cloud reminds you to carefully read and fully understand the terms and conditions of this legal disclaimer before you read or use this document. If you have read or used this document, it shall be deemed as your total acceptance of this legal disclaimer.








1. You shall download and obtain this document from the Alibaba Cloud website or other Alibaba Cloud-authorized channels, and use this document for your own legal business activities only. The content of this document is considered confidential information of Alibaba Cloud. You shall strictly abide by the confidentiality obligations. No part of this document shall be disclosed or provided to any third party for use without the prior written consent of Alibaba Cloud.
2. No part of this document shall be excerpted, translated, reproduced, transmitted, or disseminated by any organization, company, or individual in any form or by any means without the prior written consent of Alibaba Cloud.
3. The content of this document may be changed due to product version upgrades, adjustments, or other reasons. Alibaba Cloud reserves the right to modify the content of this document without notice and the updated versions of this document will be occasionally released through Alibaba Cloud-authorized channels. You shall pay attention to the version changes of this document as they occur and download and obtain the most up-to-date version of this document from Alibaba Cloud-authorized channels.
4. This document serves only as a reference guide for your use of Alibaba Cloud products and services. Alibaba Cloud provides the document in the context that Alibaba Cloud products and services are provided on an "as is", "with all faults" and "as available" basis. Alibaba Cloud makes every effort to provide relevant operational guidance based on existing technologies. However, Alibaba Cloud hereby makes a clear statement that it in no way guarantees the accuracy, integrity, applicability, and reliability of the content of this document, either explicitly or implicitly. Alibaba Cloud shall not bear any liability for any errors or financial losses incurred by any organizations, companies, or individuals arising from their download, use, or trust in this document. Alibaba Cloud shall not, under any circumstances, bear responsibility for any indirect, consequential, exemplary, incidental, special, or punitive damages, including lost profits arising from the use or trust in this document, even if Alibaba Cloud has been notified of the possibility of such a loss.
5. By law, all the content of the Alibaba Cloud website, including but not limited to works, products, images, archives, information, materials, website architecture, website graphic layout, and webpage design, are intellectual property of Alibaba Cloud and/or its affiliates. This intellectual property includes, but is not limited to, trademark rights, patent rights, copyrights, and trade

secrets. No part of the Alibaba Cloud website, product programs, or content shall be used, modified, reproduced, publicly transmitted, changed, disseminated, distributed, or published without the prior written consent of Alibaba Cloud and/or its affiliates. The names owned by Alibaba Cloud shall not be used, published, or reproduced for marketing, advertising, promotion, or other purposes without the prior written consent of Alibaba Cloud. The names owned by Alibaba Cloud include, but are not limited to, "Alibaba Cloud", "Aliyun", "HiChina", and other brands of Alibaba Cloud and/or its affiliates, which appear separately or in combination, as well as the auxiliary signs and patterns of the preceding brands, or anything similar to the company names, trade names, trademarks, product or service names, domain names, patterns, logos, marks, signs, or special descriptions that third parties identify as Alibaba Cloud and/or its affiliates).

6. Please contact Alibaba Cloud directly if you discover any errors in this document.

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.	 Note: 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 .
Courier 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 a optional value, and only one item can be selected.	<code>ipconfig [-all -t]</code>
{ } or {a b}	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 O&M FAQs.....	1
1.1 Does EMR support real-time computing?.....	1
1.2 Service exception caused by disk exception.....	1
2 Appendix.....	2
2.1 Error code list.....	2
2.2 Status list.....	3

1 O&M FAQs

1.1 Does EMR support real-time computing?

EMR provides three types of real-time computing services, including Spark Streaming, Storm, and Flink. For more information, see *Cite LeftDeveloper guideCite Right*.

If the issue persists, contact [technical support](#).

1.2 Service exception caused by disk exception

A disk exception can occur when the disk is full or when the disk is corrupted.

The following details describe how to resolve these issues:

The disk is full

1. Log on to the corresponding machine, locate the full disk, and delete any unnecessary data to free up some of the disk space. Before you delete any data, note the following:
 - Do NOT delete Kafka data directories. Otherwise, you will lose all of your data.
 - We recommend that you review the oldest log data in your selected partitions (that is, the oldest segments and corresponding index files) and delete data you no longer require.
 - We recommend you do not clean up Kafka topics, such as **consumer_offsets** or schema.
2. Restart the Kafka broker service.

The disk is corrupted

If more than 25% of the disk is corrupted, the machine migration mode can be used for operation and maintenance. To access the machine maintenance mode, submit a ticket to Alibaba Cloud technical support.

2 Appendix

2.1 Error code list

Common error codes

Error code	Error message
4001	The error message returned when the request parameter is invalid, for example, the parameter is missing or the format of the parameter is invalid.
4005	The error message returned when you are not authorized to access resources of other users.
4006	The error message returned when the cluster is in the Abnormal status and the job cannot be submitted. Check whether the cluster associated with the execution plan has been released.
4007	The error message returned when the name of the security group is empty.
4009	The error message returned when your account has an overdue payment or is suspended. Check the status of your account.
4011	The error message returned when the cluster is in the Abnormal status and cannot be scheduled. Check whether the cluster associated with the execution plan has been released.
5012	The error message returned when the number of security groups you can create has exceeded the upper limit. Go to the security group page and delete security groups that are not in use.
5038	The error message returned when the job is in a running or pending execution plan and cannot be modified. You can modify the job only after the associated execution plan has been successfully executed. You can clone the job, then modify and use the cloned job.

Error code	Error message
5039	The error message returned when you fail to lock the cluster role. You must have certain permissions to use EMR. For role authorization , click here to create cluster roles.
5050	The error message returned when accessing the database. Try again later.
6002	The error message returned when cluster updating failure occurs.
8002	The error message returned when you are not authorized to perform the specified operation. Click RAM to apply for authorization.
8003	The error message returned when you are not authorized to perform the PassRole operation. Click RAM to apply for authorization.
9006	The error message returned when the ID of the cluster does not exist. You need to verify the ID.
9007	The error message returned when the password used to log on to the master node is invalid. The password must be 8-30 characters in length and can contain uppercase letters, lowercase letters, and numbers.

ECS-related errors

Error message	Description
The specified InstanceType is not authorized for use.	You have not applied for the specified types of instances that are used to create clusters. You can apply for high-configuration instances on the ECS buy page.
No zone or cluster resources are available.	No ECS resources are available in this zone.

2.2 Status list

Cluster status list



Note:

You can view the cluster status in the cluster list or on the cluster details page.

Status	Status code	Description
Creating	CREATING	The cluster is being created. The creation task includes two stages: creating physical ECS machines and activating Spark clusters. It takes a moment for the clusters to start running.
Failed	CREATE_FAILED	An exception occurred during creation. The ECS instance that you have created automatically rolls back. You can click the question mark (?) to the right of the status on the cluster list page to view exception details.
Running	RUNNING	The computing cluster is running.
Idle	IDLE	The cluster is not running any execution plan.
Releasing	RELEASING	Click Release in the status list to set the cluster to this status. This status indicates that the cluster is in the releasing process. It may take a moment to complete this process.
Release Failed	RELEASE_FAILED	An exception occurred when releasing the cluster. You can click the question mark (?) to the right of the status on the cluster list page to view the exception details. When the cluster is in this status, click Release to release the cluster again.
Released	RELEASED	The computing cluster and the ECS instance that hosts the computing cluster have been released.

Status	Status code	Description
Abnormal	ABNORMAL	Unrecoverable errors occurred on one or more nodes in the computing cluster. Click Release to release the cluster.

Job status list

**Note:**

View job status in the job status list

Status	Description
Ready	The creation information is complete, correct , and successfully saved. The job is ready to be added to the submission queue. It may take a moment for the job to change its status to Submitting.
Submitting	The job is in the submission queue of the computing cluster. It has not been submitted to the computing cluster.
Failed	An exception occurred when submitting the job to the computing cluster. You need to clone and submit the job if you want to submit this job again.
Running	The job is running in the cluster. Wait a moment and click the corresponding log button in the job list to view output log entries in real time.
Succeeded	The job has been successfully executed in the cluster. Click the corresponding log button to view the log entry.
Failed	An exception occurred when executing the job . Click the corresponding log button to view the log entry.