

Alibaba Cloud

E-MapReduce
Quick Start

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Document conventions

Style	Description	Example
 Danger	A danger notice 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.
 Warning	A warning notice 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 restart an instance.
 Notice	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	 Notice: If the weight is set to 0, the server no longer receives new requests.
 Note	A note indicates supplemental instructions, best practices, tips, and other content.	 Note: You can use Ctrl + A to select all files.
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click Settings > Network > Set network type .
Bold	Bold formatting is used for buttons, menus, page names, and other UI elements.	Click OK .
Courier font	Courier font is used for commands	Run the <code>cd /d C:/window</code> command to enter the Windows system folder.
<i>Italic</i>	Italic formatting is used for parameters and variables.	<code>bae log list --instanceid</code> <i>Instance_ID</i>
[] or [a b]	This format is used for an optional value, where only one item can be selected.	<code>ipconfig [-all -t]</code>
{ } or {a b}	This format is used for a required value, where only one item can be selected.	<code>switch {active stand}</code>

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1. Create a cluster

This topic describes how to create a pay-as-you-go Hadoop cluster by using the quick purchase method in the E-MapReduce (EMR) console.

Prerequisites

An Alibaba Cloud account is created and the real-name verification is completed.

Procedure

1. Log on to the [Alibaba Cloud EMR console](#).
2. In the top navigation bar, select the region where you want to create a cluster and select a resource group based on your business requirements.
3. Click the **Cluster Management** tab.
4. On the **Cluster Management** page, click **Quick Purchase** in the upper-right corner.
5. On the page that appears, configure the parameters that are described in the following table.

Use default settings for other parameters. For more information, see [Create a cluster](#).

Section	Parameter	Example value	Description
Basic Information	Cluster Type	Hadoop	The cluster type.
	EMR Version	EMR-3.30.0	The major version of EMR. The latest version is selected by default.
	Cluster Name	test	The name of the cluster. The name must be 1 to 64 characters in length and can contain only letters, digits, hyphens (-), and underscores (_).
	Password	Custom password	Remember the password. It is required when you connect to the cluster.
	Zone	China (Hangzhou) Zone I	You cannot change the region or zone after the cluster is created. Exercise caution when you configure this parameter.
	Network Type	VPC	The value of this parameter can only be VPC.

Section	Parameter	Example value	Description
Network Settings	VPC	VPC_Hangzhou(192.168.xx.xx/16)(ID: vpc-bp1f4epmkvncimpgs***)	You must select a VPC in the specified region. If no VPC is available in the region, click Create VPC/VSwitch to create one.
	VSwitch	vsw_i(192.168.xx.xx/24)(ID: vsw-bp1e2f5fhapl0g6p***)	The vSwitch of the cluster. Select a vSwitch in the specified zone. If no vSwitch is available in the zone, create one.
	Security Group Name	sg-bp1ddw7sm2risw**** (ID: sg-bp1ddw7sm2riswb1***)	<div style="border: 1px solid #add8e6; padding: 5px; margin-bottom: 10px;">  Notice Do not use an advanced security group that is created in the ECS console. </div> The security group to which you want to add your cluster. If this is your first time to use EMR, no security group exists. Enter a name to create a security group. If you have created security groups in EMR, select one as required.

6. Read and select **E-MapReduce Service Terms**.

7. Click **Create**.

Refresh the Cluster Management page to view the creation progress. When **Status** becomes **Idle**, the cluster is created.

2. Create and run a job

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