

Alibaba Cloud KeyManagementService

Quick Start

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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 .
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 <i>Instance_ID</i></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>

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1 Overview

This topic describes how to quickly get started with Key Management Service (KMS).

Procedure

1. [Activate KMS](#).
2. Log on to the [KMS console](#). You can create and view customer master keys (CMKs) in the console.
3. Call KMS API operations.

2 Manage CMKs

You can use Key Management Service (KMS) to create and manage customer master keys (CMKs), and then use CMKs to encrypt data.

Create a CMK

Follow these steps to create a CMK:

1. Log on to the [KMS console](#).
2. In the upper-left corner of the page, click Create Key.
3. In the Create Key dialog box, enter an alias and description.
4. Click Advanced, and then select a key material source.
 - Alibaba Cloud KMS: use KMS to generate the key material.
 - External: manually import the key material. For more information, see [#unique_5](#).
5. Click OK.



Note:

After the CMK is created, click More to check the CMK ID, status, protection level, and other detailed information.

Disable a CMK

By default, newly created CMKs are enabled. You cannot use disabled CMKs to encrypt and decrypt data. Follow these steps to disable a CMK:

1. In the key list, find the CMK that you want to disable.
2. Click Disable in the Actions column.
3. Click OK.

Schedule a key deletion task

After a CMK is deleted, it cannot be recovered. Content and ciphertext data keys encrypted by using this CMK cannot be decrypted. Therefore, to prevent you from deleting CMKs by mistake, KMS only allows you to schedule key deletion tasks. You cannot directly delete CMKs. We recommend that you disable a CMK instead of deleting it.

1. In the key list, find the CMK that you want to delete.
2. Choose More > Schedule Key Deletion.
3. In the Schedule Key Deletion dialog box, enter the number of days after which the CMK is going to be deleted. Valid values: 7 to 30 days.
4. Click OK.

**Note:**

- A CMK pending for deletion cannot be used to encrypt data, decrypt data, or generate data keys.
- You can click Cancel Key Deletion to cancel a scheduled key deletion task.