

Alibaba Cloud KeyManagementService

API Reference

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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.	 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>

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1 Calling method

1.1 Request structure

Service endpoints

The following table lists the service access endpoints of the KMS API.

Region	RegionId	Public network endpoint	Private network endpoint
Asia Pacific NE 1 (Tokyo)	ap-northeast-1	kms.ap-northeast-1.aliyuncs.com	kms-vpc.ap-northeast-1.aliyuncs.com
Asia Pacific SE 1 (Singapore)	ap-southeast-1	kms.ap-southeast-1.aliyuncs.com	kms-vpc.ap-southeast-1.aliyuncs.com
Asia Pacific SE 2 (Sydney)	ap-southeast-2	kms.ap-southeast-2.aliyuncs.com	kms-vpc.ap-southeast-2.aliyuncs.com
Asia Pacific SE 3 (Kuala Lumpur)	ap-southeast-3	kms.ap-southeast-3.aliyuncs.com	kms-vpc.ap-southeast-3.aliyuncs.com
Asia Pacific SE 5 (Jakarta)	ap-southeast-5	kms.ap-southeast-5.aliyuncs.com	kms-vpc.ap-southeast-5.aliyuncs.com
Asia Pacific SOU 1 (Mumbai)	ap-south-1	kms.ap-south-1.aliyuncs.com	kms-vpc.ap-south-1.aliyuncs.com
China East 1 (Hangzhou)	cn-hangzhou	kms.cn-hangzhou.aliyuncs.com	kms-vpc.cn-hangzhou.aliyuncs.com
China East 2 (Shanghai)	cn-shanghai	kms.cn-shanghai.aliyuncs.com	kms-vpc.cn-shanghai.aliyuncs.com
China North 1 (Qingdao)	cn-qingdao	kms.cn-qingdao.aliyuncs.com	kms-vpc.cn-qingdao.aliyuncs.com
China North 2 (Beijing)	cn-beijing	kms.cn-beijing.aliyuncs.com	kms-vpc.cn-beijing.aliyuncs.com
China North 3 (Zhangjiakou)	cn-zhangjiakou	kms.cn-zhangjiakou.aliyuncs.com	kms-vpc.cn-zhangjiakou.aliyuncs.com
China North 5 (Hohhot)	cn-huhehaote	kms.cn-huhehaote.aliyuncs.com	kms-vpc.cn-huhehaote.aliyuncs.com
China South 1 (Shenzhen)	cn-shenzhen	kms.cn-shenzhen.aliyuncs.com	kms-vpc.cn-shenzhen.aliyuncs.com

Region	RegionId	Public network endpoint	Private network endpoint
EU Central 1 (Frankfurt)	eu-central-1	kms.eu-central-1.aliyuncs.com	kms-vpc.eu-central-1.aliyuncs.com
Middle East 1 (Dubai)	me-east-1	kms.me-east-1.aliyuncs.com	kms-vpc.me-east-1.aliyuncs.com
Hong Kong	cn-hongkong	kms.cn-hongkong.aliyuncs.com	kms-vpc.cn-hongkong.aliyuncs.com
US East 1 (Virginia)	us-east-1	kms.us-east-1.aliyuncs.com	kms-vpc.us-east-1.aliyuncs.com
US West 1 (Silicon Valley)	us-west-1	kms.us-west-1.aliyuncs.com	kms-vpc.us-west-1.aliyuncs.com
China East 1 (Hangzhou finance cloud)	cn-hangzhou-finance	kms.cn-hangzhou-finance.aliyuncs.com	None
China East 2 (Shanghai finance cloud)	cn-shanghai-finance-1	kms.cn-shanghai-finance-1.aliyuncs.com	kms-vpc.cn-shanghai-finance-1.aliyuncs.com
China South 1 (Shenzhen finance cloud)	cn-shenzhen-finance-1	kms.cn-shenzhen-finance-1.aliyuncs.com	kms-vpc.cn-shenzhen-finance-1.aliyuncs.com
UK (London)	eu-west-1	kms.eu-west-1.aliyuncs.com	kms-vpc.eu-west-1.aliyuncs.com

Interaction protocol

KMS API requests are HTTPS POST and GET request messages.

SSLv2 and SSLv3 are not supported. TLS1.0 and later versions are supported.

Request method

A POST or GET request is a URL encoded with the parameter value that the interface you access requires.

Request parameters

For each request, the operation to be executed, namely, the **Action** parameters (for example, [CreateKey](#)), must be specified. Each operation must include the **Common parameters** and the specific request parameters of the specified operations.

Character encoding

Requests and returned results are both encoded using UTF-8.