Alibaba Cloud

Key Management Service

Release Notes

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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 `cd /d C:/window` command to enter the Windows system folder.
Italic	Italic formatting is used for parameters and variables.	`bae log list --instanceid` *Instance_ID*
[] or [a|b]	This format is used for an optional value, where only one item can be selected.	`ipconfig [-all|-t]`
{} or {a|b}	This format is used for a required value, where only one item can be selected.	`switch {active|stand}`

Table of Contents

1.Release notes

This topic describes the release notes of Key Management Service (KMS).

October 2020

Version	Feature	Released date	Region	Documentation
1.20	- An API operation is added to activate KMS. - The OpenKmsService and DescribeAccountKmsStatus operations are added.	2020-10-20	All regions	- OpenKmsService - DescribeAccountKmsStatus

July 2020

Version	Feature	Released date	Region	Documentation
1.19	- Cross-system exchange, re-encryption, and cross-region import and export of data keys are supported. - The GenerateDataKeyWithoutPlaintext, GenerateAndExportDataKey, ExportDataKey, and ReEncrypt operations are added. - The China (Guangzhou) region is available.	2020-07-07	All regions	- GenerateDataKeyWithoutPlaintext - GenerateAndExportDataKey - ExportDataKey - ReEncrypt

February 2020

Version	Feature	Released date	Region	Documentation
1.18	• The Secrets Manager feature of KMS is released. • API operations are added to support the Secrets Manager feature. • The China (Ulanqab) and China (Heyuan) regions are available.	2020-02-24	All regions	• Overview • Overview • Manage generic secrets • Rotate generic secrets

December 2019

Version	Feature	Released date	Region	Documentation
1.17	• Asymmetric keys are supported. • The AsymmetricEncrypt, AsymmetricDecrypt, AsymmetricSign, AsymmetricVerify, and GetPublicKey operations are added.	2019-12-13	All regions	• Overview • Encrypt and decrypt data by using an asymmetric CMK • Generate and verify a digital signature by using an asymmetric CMK

November 2019

Version	Feature	Released date	Region	Documentation
1.16	The Managed HSM feature (SCA certification) is supported.	2019-11-18	China (Beijing) and China (Shanghai)	• Overview • Use managed HSMs

September 2019

Version	Feature	Released date	Region	Documentation
1.15	• Each customer master key (CMK) can have multiple versions. Automatic rotation of CMKs is supported. • The UpdateKeyDescription and GenerateDataKeyWithoutPlaintext operations are added.	2019-09-24	All regions	Automatic key rotation

July 2019

Version	Feature	Released date	Region	Documentation
1.14	The Managed HSM feature is supported.	2019-07-31	Singapore and China (Hong Kong)	• Overview • Use managed HSMs

May 2019

Version	Feature	Released date	Region	Documentation
1.13	Key tags and tag-based authentication are supported.	2019-05-01	All regions	• TagResource • Use RAM to control access to KMS resources

July 2018

Version	Feature	Released date	Region	Documentation
1.12	ActionTrail is supported.	2018-07-24	All regions	Use ActionTrail to query KMS event logs

March 2018

Version	Feature	Released date	Region	Documentation
1.11	• API operations are added to support Bring Your Own Key (BYOK). • API operations are added to support CMK aliases. • Four more regions are available: India (Mumbai), Indonesia (Jakarta), US (Virginia), and US (Silicon Valley).	2018-03-30	All regions	Import key material

November 2017

Version	Feature	Released date	Region	Documentation
1.10	Three more regions are available: China (Qingdao), China (Hohhot), and Malaysia (Kuala Lumpur).	2017-11-15	China (Qingdao), China (Hohhot), and Malaysia (Kuala Lumpur)	N/A

June 2017

Version	Feature	Released date	Region	Documentation
1.9	• The DescribeRegions operation is added. • The KMS SDK version is updated to V2.4.0.	2017-06-05	All regions	DescribeRegions

May 2017

Version	Feature	Released date	Region	Documentation

Version	Feature	Released date	Region	Documentation
1.8	• KMS is available for commercial use at Alibaba Cloud China site (aliyun.com) on April 25, 2017. • The China (Zhangjiakou) region is available.	2017-05-10	All regions	N/A

March 2017

Version	Feature	Released date	Region	Documentation
1.7	The performance of KMS is optimized.	2017-03-01	All regions	N/A

January 2017

Version	Feature	Released date	Region	Documentation
1.6	The China (Hong Kong) region is available.	2017-01-22	China (Hong Kong)	N/A

November 2016

Version	Feature	Released date	Region	Documentation
1.5	Four more regions are available: Japan (Tokyo), Australia (Sydney), Germany (Frankfurt), and UAE (Dubai).	2016-11-29	Japan (Tokyo), Australia (Sydney), Germany (Frankfurt), and UAE (Dubai)	N/A

September 2016

Version	Feature	Released date	Region	Documentation

Version	Feature	Released date	Region	Documentation
1.4	The ScheduleKeyDeletion and CancelKeyDeletion operations are added to schedule or cancel the deletion of a CMK.	2016-09-20	All regions	• ScheduleKeyDeletion • CancelKeyDeletion

August 2016

Version	Feature	Released date	Region	Documentation
1.3	The EncryptionContext parameter can be configured in the Encrypt and Decrypt API operations.	2016-08-10	All regions	EncryptionContext

June 2016

Version	Feature	Released date	Region	Documentation
1.2	A CMK can be enabled or disabled.	2016-06-22	All regions	Create a CMK

May 2016

Version	Feature	Released date	Region	Documentation
1.1	Three more regions are available: China (Beijing), China (Shanghai), and China (Shenzhen).	2016-05-19	China (Beijing), China (Shanghai), and China (Shenzhen)	N/A

April 2016

Version	Feature	Released date	Region	Documentation
1.0	KMS is released.	2016-04-06	All regions	What is Key Management Service?