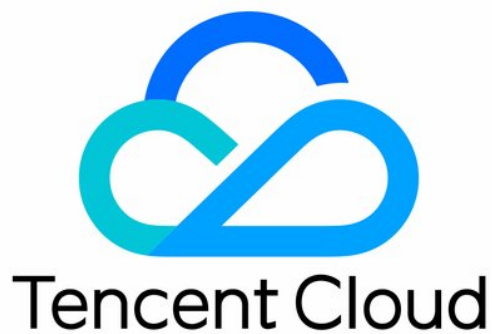


Key Management Service

Beginner's Guide

Product Documentation



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Beginner's Guide

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1. Basic KMS Knowledge

- [How does KMS operate?](#)
- [What are the reasons for choosing Tencent Cloud KMS?](#)
- [Introduction to various KMS application scenarios.](#)
- [Common KMS concepts.](#)

2. KMS Billing Modes

Tencent Cloud Key Management System currently offers two versions: Standard and Enterprise. For detailed differences in features, please refer to [Product Features and Version Descriptions](#).

The billing modes for the two versions of KMS are different. It is essential to understand KMS's billing modes to choose the best plan. For more information, see [Billing Overview](#).

3. Getting Started

3.1 Activating the service

Before using Tencent KMS, you need to sign up for a Tencent Cloud account and activate the KMS service. For information on how to activate/purchase KMS service, please see [Purchase Methods](#).

3.2 Creating a Customer Master Key

Create a customer master key (CMK) using Tencent Cloud Command Line Interface (TCCLI) or KMS Console to prepare for using KMS services. For detailed guidance on creating a CMK, please refer to the [TCCLI Management Guide](#) and [Console Guide](#).

3.3 Download SDK

After completing Steps 3.1 and 3.2, download and install the SDK, and call API interfaces to request KMS services.

Note

- Key Management System Standard Edition SDK: Tencent Cloud SDK 3.0 for [Python](#) / [Java](#) / [PHP](#) / [Go](#) / [NodeJS](#) / [.NET](#).
- Flagship Key Management System SDK: [Encryption SDK](#).

4. Console Features

Desired Operation	Reference Document
Quickly create a key	Create a Key
View the created Key ID and its details information	View a Key
Editing key name, description, and other information	Edit a Key
Enabling/Disabling Keys	Enable/Disable a Key
Enable Key Rotation	Key Rotation
Data encryption using keys	Encryption and Decryption
Quickly delete a key	Delete a Key
Enable/Disable Key Archiving	Key Archiving
Set sub-account permissions for managing the Key Management System	Access Control

5. FAQs

General FAQs

- [What can Tencent Cloud KMS do?](#)
- [Which cloud services support data encryption using Key Management System?](#)
- [What are the differences between the Standard and Ultimate editions of the Key Management System?](#)
- [What is the difference between customer master keys and Tencent Cloud managed CMKs in the KMS console?](#)

Development Integration-related Questions

- [How do I get my secret ID and secret key from the SDK?](#)
- [How to create a Customer Master Key \(CMK\)?](#)
- [Is key rotation for Customer Master Keys \(CMKs\) supported? How can it be enabled?](#)
- [After enabling key rotation, do businesses need to make changes?](#)
- [How do I choose an encryption algorithm?](#)
- [Is there a limit to the number of CMKs I can create?](#)

6. Feedback and Suggestions

If you have any questions or suggestions about KMS, you can send your feedback through the following channels, and we will get back to you accordingly:

- If you encounter any product-related issues, you can consult [online customer service](#) or [submit a ticket](#) for assistance.
- If you find any issues with the product documentation, such as links, content, or API errors, you can click **Send Feedback** on the right side of the document page or highlight the problematic content to provide feedback.
- If you have other questions, go to the [Tencent Cloud developer community](#) to ask questions.