

# Data Encryption Workshop

## SDK Overview

**Issue** 01  
**Date** 2024-06-10



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# 1 SDK Overview

This section describes the SDK language versions provided by the sub-services of Data Encryption Workshop (DEW), including Key Management Service (KMS), Key Pair Service (KPS), and Cloud Secret Management Service (CSMS). The links to the latest SDK versions are also provided.

## Generating Code Online

API Explorer can dynamically generate SDK code that meets your requirements, simplifying SDK usage.

The API Explorer addresses of the three DEW subservices are as follows:

- [Key Management Service \(KMS\)](#)
- [Key Pair Service \(KPS\)](#)
- [Cloud Secret Management Service \(CSMS\)](#)

## SDK List

You can check the SDK change history, obtain installation packages, and view guidance in GitHub. For details, see [Table 1-1](#), [Table 1-2](#), and [Table 1-3](#).

**Table 1-1** KMS SDK list

Programming Language	GitHub Address	Reference
Java	<a href="#">huaweicloud-sdk-java-v3</a>	<a href="#">Java SDK User Guide</a>
Python	<a href="#">huaweicloud-sdk-python-v3</a>	<a href="#">Python SDK User Guide</a>
Go	<a href="#">huaweicloud-sdk-go-v3</a>	<a href="#">Go SDK User Guide</a>
.NET	<a href="#">huaweicloud-sdk-net-v3</a>	<a href="#">.Net SDK User Guide</a>

Programming Language	GitHub Address	Reference
NodeJs	<a href="#">huaweicloud-sdk-nodejs-v3</a>	<a href="#">Node.js SDK User Guide</a>
PHP	<a href="#">huaweicloud-sdk-php-v3</a>	<a href="#">PHP SDK User Guide'</a>
C++	<a href="#">huaweicloud-sdk-cpp-v3</a>	<a href="#">C++ SDK User Guide</a>

**Table 1-2** KPS SDK list

Programming Language	GitHub Address	Reference
Java	<a href="#">huaweicloud-sdk-java-v3</a>	<a href="#">Java SDK User Guide</a>
Python	<a href="#">huaweicloud-sdk-python-v3</a>	<a href="#">Python SDK User Guide</a>
Go	<a href="#">huaweicloud-sdk-go-v3</a>	<a href="#">Go SDK User Guide</a>
.NET	<a href="#">huaweicloud-sdk-net-v3</a>	<a href="#">.Net SDK User Guide</a>
NodeJs	<a href="#">huaweicloud-sdk-nodejs-v3</a>	<a href="#">Node.js SDK User Guide</a>
PHP	<a href="#">huaweicloud-sdk-php-v3</a>	<a href="#">PHP SDK User Guide'</a>

**Table 1-3** CSMS SDK list

Programming Language	GitHub Address	Reference
Java	<a href="#">huaweicloud-sdk-java-v3</a>	<a href="#">Java SDK User Guide</a>
Python	<a href="#">huaweicloud-sdk-python-v3</a>	<a href="#">Python SDK User Guide</a>
Go	<a href="#">huaweicloud-sdk-go-v3</a>	<a href="#">Go SDK User Guide</a>
.NET	<a href="#">huaweicloud-sdk-net-v3</a>	<a href="#">.Net SDK User Guide</a>
NodeJs	<a href="#">huaweicloud-sdk-nodejs-v3</a>	<a href="#">Node.js SDK User Guide</a>

Programming Language	GitHub Address	Reference
PHP	<a href="#">huaweicloud-sdk-php-v3</a>	<a href="#">PHP SDK User Guide'</a>
C++	<a href="#">huaweicloud-sdk-cpp-v3</a>	<a href="#">C++ SDK User Guide</a>