

# Cloud Search Service

## SDK Reference

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# 1 SDK Overview

This document lists the SDK versions provided by Cloud Search Service (CSS) and the addresses for obtaining the latest SDK versions.

## Generating SDK Code Online

[API Explorer](#) can dynamically generate SDK code that meets your requirements, simplifying SDK usage. Therefore, it is recommended.

You can view the SDK code of the corresponding programming language on the **Sample Code** tab page in API Explorer, as shown in [Figure 1-1](#).

When you enter parameter values in the middle panel of the page, the sample code on the right automatically uses the values.

**Figure 1-1** Obtaining the SDK sample code

The screenshot shows the API Explorer interface for the Cloud Search Service. On the left, a sidebar lists various operations like 'CreateCluster', 'DeleteCluster', and 'ListClustersDetails'. The main area shows the 'CreateCluster' endpoint details. It includes fields for 'Region' (set to 'AF-Johannesburg'), 'Parameters' (with 'project\_id' set to 'string'), and a 'Body' section with nested fields 'cluster' (containing 'instance', 'flavorRef', 'volume', and 'nics') and 'volume\_type' (set to 'string'). On the right, the 'Sample Code' tab is selected, showing Java code for creating a cluster:

```
1 package com.huaweicloud.sdk.test;
2
3 import com.huaweicloud.sdk.core.auth.ICredential;
4 import com.huaweicloud.sdk.core.auth.BasicCredentials;
5 import com.huaweicloud.sdk.core.exception.ConnectionException;
6 import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
7 import com.huaweicloud.sdk.core.exception.ServiceResponseException;
8 import com.huaweicloud.sdk.css.v1.region.CssRegion;
9 import com.huaweicloud.sdk.css.v1.*;
10 import com.huaweicloud.sdk.css.v1.model.*;
11
12
13 public class CreateClusterSolution {
14
15     public static void main(String[] args) {
16         String ak = "<YOUR AK>";
17         String sk = "<YOUR SK>";
18
19         ICredential auth = new BasicCredentials()
20             .withAk(ak)
21             .withSk(sk);
22
23         CssClient client = CssClient.newBuilder()
24             .withCredential(auth)
25             .withRegion(CssRegion.valueOf("af-south-1"))
26             .build();
27
28         CreateClusterRequest request = new CreateClusterRequest();
29         CreateClusterReq body = new CreateClusterReq();
30         request.withBody(body);
31     }
32 }
```

You can view details about how to use the SDKs in example scenarios.

**Figure 1-2** Setting input parameters

```
1   * cluster: { ②
2     * instance: { ③
3       * flavorRef: ⑦ ess.spec-4u16g
4       * volume: { ④
5         * volume_type: ⑤
6           HIGH
7         * size: ⑧ 40
8       }
9     }
10    }
11
12
13
14
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23
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28
29   CreateClusterInstanceVolumeBody volumeInstance = new CreateClusterInstanceVolumeBody();
30   volumeInstance.withVolumeType("HIGH")
31   | .withSize(40);
32   CreateClusterInstanceBody instanceCluster = new CreateClusterInstanceBody();
33   instanceCluster.withFlavorRef("ess.spec-4u16g")
34   | .withVolume(volumeInstance);
35   CreateClusterBody clusterbody = new CreateClusterBody();
36   clusterbody.withInstance(instanceCluster);
37   body.withCluster(clusterbody);
38   request.withBody(body);
```

## SDK List

**Table 1-1** lists the SDKs supported by CSS. You can view SDK updates, obtain installation packages, and view user guides in GitHub.

**Table 1-1** SDK list

Programming Languages	GitHub Address	Reference Document
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>