

**MapReduce Service**

# **SDK Reference**

**Issue**            01  
**Date**             2023-06-30



**Copyright © Huawei Cloud Computing Technologies Co., Ltd. 2023. All rights reserved.**

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Cloud Computing Technologies Co., Ltd.

## **Trademarks and Permissions**



HUAWEI and other Huawei trademarks are the property of Huawei Technologies Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

## **Notice**

The purchased products, services and features are stipulated by the contract made between Huawei Cloud and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

---

# Contents

---

**1 SDK Overview..... 1**

# 1 SDK Overview

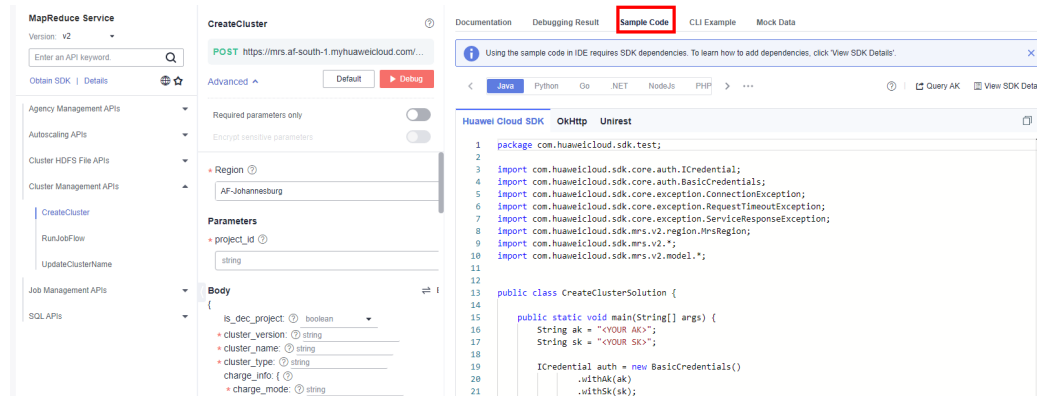
This document lists the SDK versions provided by MapReduce Service (MRS) and the addresses for obtaining the latest SDK versions.

## 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 a range of programming languages in the **Sample Code** tab of an API.

Figure 1-1 Obtaining the SDK sample code



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

**Figure 1-2** Specifying input parameters

```

Body
{
  is_dec_project: true
  cluster_version: MRS 3.1.0
  cluster_name: string
  cluster_type: string
  charge_info: {
    charge_mode: string
  }
  region: string
  vpc_name: string
  subnet_id: string
  subnet_name: string
  components: string
  external_datasources: {
    map_id: number
    connector_id: string
    component_name: string
    role_type: enumerator
  }
}
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     MrsClient client = MrsClient.newBuilder()
24         .withCredential(auth)
25         .withRegion(MrsRegion.valueOf("af-south-1"))
26         .build();
27     CreateClusterRequest request = new CreateClusterRequest();
28     CreateClusterReqV2 body = new CreateClusterReqV2();
29     body.withClusterVersion("MRS 3.1.0");
30     body.withIsDecProject(true);
31     request.withBody(body);
32
33     try {
34         CreateClusterResponse response = client.createCluster(request);
35         System.out.println(response.toString());
36     } catch (ConnectionException e) {
37         e.printStackTrace();
38     } catch (RequestTimeoutException e) {
39         e.printStackTrace();
40     }
41 }
    
```

## SDKs

**Table 1-1** provides a list of SDKs supported by MRS. You can view the SDK update history, obtain installation packages, and view the guides in the GitHub repository.

**Table 1-1** SDK list

| 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>      |
| 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>     |