

# **Alibaba Cloud ApsaraDB for HBase**

OpenAPI Reference

Issue: 20200603

# Legal disclaimer

---









Alibaba Cloud reminds you to carefully read and fully understand the terms and conditions of this legal disclaimer before you read or use this document. If you have read or used this document, it shall be deemed as your total acceptance of this legal disclaimer.

- 1.** You shall download and obtain this document from the Alibaba Cloud website or other Alibaba Cloud-authorized channels, and use this document for your own legal business activities only. The content of this document is considered confidential information of Alibaba Cloud. You shall strictly abide by the confidentiality obligations. No part of this document shall be disclosed or provided to any third party for use without the prior written consent of Alibaba Cloud.
- 2.** No part of this document shall be excerpted, translated, reproduced, transmitted, or disseminated by any organization, company, or individual in any form or by any means without the prior written consent of Alibaba Cloud.
- 3.** The content of this document may be changed due to product version upgrades, adjustments, or other reasons. Alibaba Cloud reserves the right to modify the content of this document without notice and the updated versions of this document will be occasionally released through Alibaba Cloud-authorized channels. You shall pay attention to the version changes of this document as they occur and download and obtain the most up-to-date version of this document from Alibaba Cloud-authorized channels.
- 4.** This document serves only as a reference guide for your use of Alibaba Cloud products and services. Alibaba Cloud provides the document in the context that Alibaba Cloud products and services are provided on an "as is", "with all faults" and "as available" basis. Alibaba Cloud makes every effort to provide relevant operational guidance based on existing technologies. However, Alibaba Cloud hereby makes a clear statement that it in no way guarantees the accuracy, integrity, applicability, and reliability of the content of this document, either explicitly or implicitly. Alibaba Cloud shall not bear any liability for any errors or financial losses incurred by any organizations, companies, or individuals arising from their download, use, or trust in this document. Alibaba Cloud shall not, under any circumstances, bear responsibility for any indirect, consequential, exemplary, incidental, special, or punitive damages, including lost profits arising from the use or trust in this document, even if Alibaba Cloud has been notified of the possibility of such a loss.

- 5.** By law, all the contents in Alibaba Cloud documents, including but not limited to pictures, architecture design, page layout, and text description, are intellectual property of Alibaba Cloud and/or its affiliates. This intellectual property includes, but is not limited to, trademark rights, patent rights, copyrights, and trade secrets. No part of this document shall be used, modified, reproduced, publicly transmitted, changed, disseminated, distributed, or published without the prior written consent of Alibaba Cloud and/or its affiliates. The names owned by Alibaba Cloud shall not be used, published, or reproduced for marketing, advertising, promotion, or other purposes without the prior written consent of Alibaba Cloud. The names owned by Alibaba Cloud include, but are not limited to, "Alibaba Cloud", "Aliyun", "HiChina", and other brands of Alibaba Cloud and/or its affiliates, which appear separately or in combination, as well as the auxiliary signs and patterns of the preceding brands, or anything similar to the company names, trade names, trademarks, product or service names, domain names, patterns, logos, marks, signs, or special descriptions that third parties identify as Alibaba Cloud and/or its affiliates.
- 6.** Please contact Alibaba Cloud directly if you discover any errors in this document.



## Document conventions

Style	Description	Example
	A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	 <b>Danger:</b> Resetting will result in the loss of user configuration data.
	A warning notice indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	 <b>Warning:</b> Restarting will cause business interruption. About 10 minutes are required to restart an instance.
	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	 <b>Notice:</b> If the weight is set to 0, the server no longer receives new requests.
	A note indicates supplemental instructions, best practices, tips, and other content.	 <b>Note:</b> You can use Ctrl + A to select all files.
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click <b>Settings &gt; Network &gt; Set network type.</b>
<b>Bold</b>	Bold formatting is used for buttons, menus, page names, and other UI elements.	Click <b>OK.</b>
Courier font	Courier font is used for commands.	Run the <code>cd /d C:/window</code> command to enter the Windows system folder.
Italic	Italic formatting is used for parameters and variables.	<code>bae log list --instanceid Instance_ID</code>
[ ] or [a b]	This format is used for an optional value, where only one item can be selected.	<code>ipconfig [-all -t]</code>

Style	Description	Example
{ } or {a b}	This format is used for a required value, where only one item can be selected.	switch {active stand}



# Contents

---

<b>Legal disclaimer</b> .....	<b>1</b>
<b>Document conventions</b> .....	<b>1</b>
<b>1 API overview</b> .....	<b>1</b>
<b>2 Instance management</b> .....	<b>3</b>
2.1 RenewInstance.....	3
2.2 ConvertInstance.....	5
2.3 DeleteInstance.....	6
2.4 DescribeInstance.....	7
2.5 DescribeInstances.....	13
2.6 ModifyInstanceName.....	18
2.7 ResizeNodeCount.....	20
2.8 ResizeDiskSize.....	22
2.9 RestartInstance.....	23
2.10 DescribeInstanceType.....	24
2.11 ModifyInstanceMaintainTime.....	26
2.12 CreateCluster.....	28
<b>3 Network management</b> .....	<b>33</b>
3.1 DescribeEndpoints.....	33
<b>4 Security management</b> .....	<b>38</b>
4.1 ModifyIpWhitelist.....	38
4.2 DescribeIpWhitelist.....	39
<b>5 Account management</b> .....	<b>42</b>
5.1 ModifyUIAccountPassword.....	42
<b>6 Zone management</b> .....	<b>44</b>
6.1 DescribeRegions.....	44
<b>7 Xpack</b> .....	<b>51</b>
7.1 XpackRelateDB.....	51
7.2 QueryXpackRelateDB.....	52
7.3 AddUserHdfsInfo.....	56
7.4 DeleteUserHdfsInfo.....	58
7.5 DeleteHbaseHaSlb.....	60
7.6 CreateHbaseHaSlb.....	61
7.7 QueryHBaseHaDB.....	63
7.8 SwitchHbaseHaSlb.....	66
<b>8 Tag management</b> .....	<b>69</b>
8.1 ListTags.....	69
8.2 TagResources.....	71
8.3 ListTagResources.....	72



8.4 UnTagResources.....75



# 1 API overview

---

The following tables list API operations available for use in ApsaraDB for Hbase.

## Cluster management

Operation	Description
<a href="#">DescribeInstance</a>	You can call this operation to query the basic information of the cluster.
<a href="#">DescribeInstances</a>	You can call this operation to query the cluster list by page.
<a href="#">ConvertInstance</a>	You can call this operation to convert the instance billing method from pay-as-you-go to subscription.
<a href="#">RenewInstance</a>	You can call this operation to renew the current instance.
<a href="#">DeleteInstance</a>	You can call this operation to delete the instance.
<a href="#">ModifyInstanceName</a>	You can call this operation to modify the name of the instance.
<a href="#">RestartInstance</a>	You can call this operation to restart a cluster.
<a href="#">ResizeNodeCount</a>	You can call this operation to change the number of nodes in an instance.
<a href="#">ResizeDiskSize</a>	You can call this operation to resize the disk.
<a href="#">CreateCluster</a>	You can call this operation to create an instance.
<a href="#">DescribeInstanceType</a>	You can call this operation to query the instance specifications such as CPU and memory.

## Network management

Operation	Description
<a href="#">DescribeEndpoints</a>	You can call this operation to query the connection information of a cluster database based on the cluster ID.

## Security management

Operation	Description
<a href="#">ModifyIpWhitelist</a>	You can call this operation to modify a network access whitelist.
<a href="#">DescribeIpWhitelist</a>	You can call this operation to query the cluster whitelist by the cluster ID.

## Account management

Operation	Description
<a href="#">ModifyUIAccountPassword</a>	You can call this operation to reset the password for UI access.

## Zone management

Operation	Description
<a href="#">DescribeRegions</a>	You can call this operation to query the most recent region list.

## Xpack

Operation	Description
<a href="#">AddUserHdfsInfo</a>	You can call this operation to add custom HDFS addresses in Xpack.
<a href="#">DeleteUserHdfsInfo</a>	You can call this operation to delete custom HDFS information in Xpack.
<a href="#">XpackRelateDB</a>	You can call this operation to associate a database.
<a href="#">QueryXpackRelateDB</a>	You can call this operation to query the list of databases with which the current instance can be associated.

## Tag management

Operation	Description
<a href="#">TagResources</a>	You can call this operation to add tags to the instance.
<a href="#">ListTagResources</a>	Use the resourceid or Tagkey to obtain the tag list.
<a href="#">UntagResources</a>	You can call this operation to remove a tag from a specified resource. For more information about how to add a tag, see <a href="#">TagResources</a> .
<a href="#">ListTags</a>	You can call this operation to query all tags in the region.

## 2 Instance management

---

### 2.1 RenewInstance

You can call this operation to renew the current instance.

When you call this operation, make sure that the payType must be Postpaid.

#### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

#### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	RenewInstance	The operation that you want to perform. Set the value to RenewInstance.
<b>ClusterId</b>	String	Yes	hb-bp16o0pd52e3y582s	The ID of the instance.
<b>Duration</b>	Integer	Yes	5	The number of renewal periods. <ul style="list-style-type: none"><li>If PricingCycle is year, the value range is 1 to 3.</li><li>If PricingCycle is month, the value range is 1 to 9.</li></ul> When you set the billing method parameter to PREPAY, this parameter takes effect.

Parameter	Type	Required	Example	Description
<b>PricingCycle</b>	String	Yes	month	The unit of the renewal period. Valid values: <ul style="list-style-type: none"> <li>year</li> <li>month</li> </ul> When you set the billing method parameter to PREPAY, this parameter takes effect.

### Response parameters

Parameter	Type	Example	Description
OrderId	Long	55128452	The ID of the order.
RequestId	String	70F2D5B8-632F-4045-8F2D-2ADF73A31C08	The ID of the request.

### Examples

#### Sample requests

```
http(s)://[Endpoint]/? Action=RenewInstance
&ClusterId=hb-bp16o0pd52e3y582s
&Duration=5
&PricingCycle=month
&<Common request parameters>
```

#### Sample success responses

##### XML format

```
<OrderId>55128452</OrderId>
<RequestId>70F2D5B8-632F-4045-8F2D-2ADF73A31C08</RequestId>
```

##### JSON format

```
{
  "RequestId": "70F2D5B8-632F-4045-8F2D-2ADF73A31C08",
  "OrderId": "55128452"
}
```

### Error codes

For a list of error codes, visit the [API Error Center](#).

## 2.2 ConvertInstance

You can call this operation to convert the instance billing method from pay-as-you-go to subscription.

Note: When you call this operation, make sure that the payType must be Postpaid.

### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	ConvertInstance	The operation that you want to perform. Set the value to ConvertInstance.
<b>ClusterId</b>	String	Yes	hb-bp16o0pd52e3y582s	The ID of the instance.
<b>Duration</b>	Integer	Yes	7	<ul style="list-style-type: none"> <li>The number of the subscription units.</li> <li>If PricingCycle is year, the value range is 1 to 3.</li> <li>If PricingCycle is month, the value range is 1 to 9.</li> </ul>
<b>PricingCycle</b>	String	Yes	month	The unit of the subscription cycle. Valid values: year and month.

### Response parameters

Parameter	Type	Example	Description
OrderId	Long	54124542154	The ID of the order.
RequestId	String	50373857-C47B-4B64-9332-D0B5280B59EA	The ID of the request.

## Examples

### Sample requests

```
http(s)://[Endpoint]/? Action=ConvertInstance
&ClusterId=hb-bp16o0pd52e3y582s
&Duration=7
&PricingCycle=month
&<Common request parameters>
```

### Sample success responses

#### XML format

```
<OrderId>54124542154</OrderId>
<RequestId>50373857-C47B-4B64-9332-D0B5280B59EA</RequestId>
```

#### JSON format

```
{
  "RequestId": "50373857-C47B-4B64-9332-D0B5280B59EA",
  "OrderId": "54124542154"
}
```

## Error codes

For a list of error codes, visit the [API Error Center](#).

## 2.3 DeleteInstance

You can call this operation to delete the instance.

### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	DeleteInstance	The operation that you want to perform. Set the value to DeleteInstance.
<b>ClusterId</b>	String	Yes	hb-bp16o0pd52e3y582s	The ID of the instance.



## Response parameters

Parameter	Type	Example	Description
RequestId	String	50373857-C47B-4B64-9332-D0B5280B59EA	The ID of the request.

## Examples

### Sample requests

```
http(s)://[Endpoint]/? Action=DeleteInstance
&ClusterId=hb-bp16o0pd52e3y582s
&<Common request parameters>
```

### Sample success responses

#### XML format

```
<RequestId>50373857-C47B-4B64-9332-D0B5280B59EA</RequestId>
```

#### JSON format

```
{
  "RequestId": "50373857-C47B-4B64-9332-D0B5280B59EA"
}
```

## Error codes

For a list of error codes, visit the [API Error Center](#).

## 2.4 DescribeInstance

You can call this operation to query the basic information of the cluster.

### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

**Request parameters**

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	DescribeInstance	The operation that you want to perform. Set the value to DescribeInstance.
<b>ClusterId</b>	String	Yes	hb-bp16f1441y6p2kv**	The ID of the cluster that you want to query.

**Response parameters**

Parameter	Type	Example	Description
BackupStatus	String	open	Indicates the backup and restoration status. Valid values:  open: The backup and restoration status is displayed.  close: The backup and restoration status is not displayed.
ColdStorageStatus	String	open	Indicates whether cold data and hot data are stored separately. Valid values:  open: Cold data and hot data are stored separately.  close: Cold data and hot data are not stored separately.
CoreDiskCount	String	2	The number of disks for the core node.
CoreDiskSize	Integer	100	The disk size of the core node. Unit: GB.

Parameter	Type	Example	Description
CoreDiskType	String	cloud_efficiency	The disk type of the core node. Valid values: cloud_efficiency cloud_ssd
CoreInstanceType	String	hbase.sn1.large	The instance type of the core node.
CoreNodeCount	Integer	2	The number of core nodes.
CreatedTime	String	2019-09-12T14:40:46	The time when the cluster was created.
Engine	String	hbase	The product engine. Valid values: hbase spark geomesa ...
ExpireTime	String	2019-10-12T14:40:46	The expiration time.
ClusterId	String	hb-bp16f1441y6p2kv**	The ID of the cluster. It is the unique ID generated by the system.
InstanceName	String	openapi-test	The name of the cluster. You can set this parameter as needed.
IsHa	Boolean	true	Indicates whether the cluster is highly available. Valid values: true and false.
MaintainEndTime	String	4:00	The end time of the maintenance window of the instance.
MaintainStartTime	String	2:00	The start time of the maintenance window of the instance.

Parameter	Type	Example	Description
MajorVersion	String	2.0	The major version number.
MasterDisk Size	Integer	100	The disk size of the master node. Unit : GB.
MasterDisk Type	String	cloud_efficiency	The disk type of the master node. Valid values: cloud_efficiency cloud_ssd
MasterInstanceType	String	hbase.sn1.large	The instance type of the master node.
MasterNode Count	Integer	2	The number of master nodes. If the master node is a single node, the returned value is 0. If the master node is a high availability node, the returned value is 2.
The MinorVersion	String	2.0.8	The minor version number.
NetworkType	String	VPC	The type of the network. Valid values: VPC CLASSIC If the network type is VPC, the values of vSwitchId and vpcId are returned.
PayType	String	Postpaid	The billing method of the cluster. Valid values: <ul style="list-style-type: none"> <li>Prepaid: The subscription billing method is used.</li> <li>Postpaid: The pay-as-you-go billing method is used.</li> </ul>
RegionId	String	cn-shanghai	The region ID of the instance.

Parameter	Type	Example	Description
RequestId	String	EBECBF12-2E34-41BE-8DE9-FC3700D4D6**	The ID of the request. It is the unique ID that is dynamically generated for the request.
Status	String	ACTIVATION	The status of a cluster. Valid values: CREATING ACTIVATION DELETING RESTARTING
Tags	Array		The tags of the resource.
Tag			The tags of the resource.
Key	String	test_key	The key of the tag.
Value	String	test_value	The value of the tag.
VpcId	String	vpc-bp120k6ixs4eoghz*****	The ID of the VPC. When the value of NetworkType is VPC, this value is returned. Example: vpc-xxxx.
VswitchId	String	vsw-bp191ipotq****dbqf	The ID of the VSwitch. When the value of NetworkType is VPC, this value is returned. Example: vsw-xxxx.
ZoneId	String	cn-hangzhou-f	The zone ID of the instance.

## Examples

### Sample requests

```
http(s)://[Endpoint]/? Action=DescribeInstance
&ClusterId=hb-bp16f1441y6p2kv**
&<Common request parameters>
```

### Sample success responses

## XML format

```
<ClusterId>hb-bp16o0pd52e3y582s</ClusterId>
<ZoneId>cn-hangzhou-f</ZoneId>
<MasterDiskSize>0</MasterDiskSize>
<VpcId>vpc-bp120k6ixs4eoghz*****</VpcId>
<Engine>hbase</Engine>
<MajorVersion>2.0</MajorVersion>
<CoreNodeCount>4</CoreNodeCount>
<NetworkType>VPC</NetworkType>
<CoreDiskType>cloud_ssd</CoreDiskType>
<MasterDiskType/>
<CoreInstanceType>hbase.sn1.large</CoreInstanceType>
<VswitchId>vsw-bp191ipotq****dbqf</VswitchId>
<CoreDiskSize>100</CoreDiskSize>
<PayType>PayAsYouGo</PayType>
<InstanceName>wangjk-HBase</InstanceName>
<MasterInstanceType>hbase.sn1.medium</MasterInstanceType>
<MaintainEndTime>4:00</MaintainEndTime>
<MaintainStartTime>2:00</MaintainStartTime>
<CreatedTime>2019-09-12T14:40:46</CreatedTime>
<Status>ACTIVATION</Status>
<MinorVersion>2.0.8</MinorVersion>
<ColdStorageStatus>open</ColdStorageStatus>
<RequestId>EBECBF12-2E34-41BE-8DE9-FC3700D4D6C6</RequestId>
<RegionId>cn-hangzhou</RegionId>
<MasterNodeCount>2</MasterNodeCount>
<BackupStatus>open</BackupStatus>
```

## JSON format

```
{
  "ClusterId": "hb-bp16o0pd52e3y582s",
  "ZoneId": "cn-hangzhou-f",
  "MasterDiskSize": 0,
  "Engine": "hbase",
  "VpcId": "vpc-bp120k6ixs4eoghz*****",
  "MajorVersion": "2.0",
  "CoreNodeCount": 4,
  "NetworkType": "VPC",
  "CoreDiskType": "cloud_ssd",
  "MasterDiskType": "",
  "MaintainStartTime": "2:00",
  "CoreInstanceType": "hbase.sn1.large",
  "VswitchId": "vsw-bp191ipotq****dbqf",
  "CoreDiskSize": 100,
  "PayType": "PayAsYouGo",
  "InstanceName": "wangjk-HBase",
  "MasterInstanceType": "hbase.sn1.medium",
  "MaintainEndTime": "4:00",
  "CreatedTime": "2019-09-12T14:40:46",
  "Status": "ACTIVATION",
  "MinorVersion": "2.0.8",
  "ColdStorageStatus": "open",
  "RequestId": "EBECBF12-2E34-41BE-8DE9-FC3700D4D6C6",
  "RegionId": "cn-hangzhou",
  "MasterNodeCount": 2,
  "BackupStatus": "open"
```

}

### Error codes

For a list of error codes, visit the [API Error Center](#).

## 2.5 DescribeInstances

You can call this operation to query the cluster list by page.

### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

### Request parameters

Parameter	Type	Required	Example	Description
<b>PageNumber</b>	Integer	No	1	The number of the page to return . Starting value: 1. Default value: 1.
<b>PageSize</b>	Integer	No	10	The number of entries to return on each page. Maximum value: 100. Default value: 10.
<b>RegionId</b>	String	No	cn-hangzhou	The ID of the region to which the instance belongs. You can call the DescribeRegions operation to query the most recent region list.

### Response parameters

Parameter	Type	Example	Description
Instances	Array		The list of clusters.
Instance			The list of clusters.

Parameter	Type	Example	Description
BackupStatus	String	open	Indicates the backup and restoration status. Valid values:  open: The backup and restoration status is displayed.  close: The backup and restoration status is not displayed.
ColdStorageStatus	String	open	Indicates whether cold data and hot data are stored separately. Valid values:  open: Cold data and hot data are stored separately.  close: Cold data and hot data are not stored separately.
CoreDiskSize	Integer	100	The disk size of the core node. Unit: GB.
CoreDiskType	String	cloud_efficiency	The disk type of the core node. Valid values: cloud_efficiency and cloud_ssd.
CoreInstanceType	String	hbase.sn1.large	The instance type of the core node.
CoreNodeCount	Integer	2	The number of core nodes.
CreatedTime	String	2019-09-12T14:40:46	The time when the cluster was created.
Engine	String	hbase	The product engine, such as hbase, spark, or geomesa.
ExpireTime	String	hb-bp16f1441y6p2kv**	The expiration time.

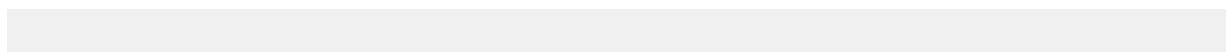


Parameter	Type	Example	Description
ClusterId	String	hb-bp16f1441y6p2kv**	The ID of the cluster. It is the unique ID generated by the system.
ClusterName	String	openapi-test	The name of the cluster. You can set this parameter as needed.
IsHa	Boolean	true	Indicates whether the cluster is highly available. Valid values: true and false.
MajorVersion	String	2.0	The major version number.
MasterDisk Size	Integer	100	The disk size of the master node. Unit : GB.
MasterDisk Type	String	cloud_efficiency	The disk type of the master node. Valid values: cloud_efficiency and cloud_ssd.
MasterInstanceType	String	hbase.sn1.large	The instance type of the master node.
MasterNode Count	Integer	2	The number of master nodes. If the master node is a single node, the returned value is 0. If the master node is a high availability node, the returned value is 2.
NetworkType	String	VPC	The type of the network. Valid values : VPC and CLASSIC. If the network type is VPC, the values of vSwitchId and vpcId are returned.

Parameter	Type	Example	Description
PayType	String	Prepaid	The billing method of the cluster. Valid values: <ul style="list-style-type: none"> <li>Prepaid: The subscription billing method is used.</li> <li>Postpaid: The pay-as-you-go billing method is used.</li> </ul>
RegionId	String	cn-shanghai	The region ID of the instance.
Status	String	ACTIVATION	The status of a cluster. Valid values: CREATING, ACTIVATION, DELETING, and RESTARTING.
VpcId	String	vpc-bp120k6ixs4eoghz*****	The ID of the VPC. When the value of NetworkType is VPC, this value is returned. Example: vpc-xxxx.
VswitchId	String	vsw-bp191ipotqdbqf****	The ID of the VSwitch. When the value of NetworkType is VPC, this value is returned. Example: vsw-xxxx.
ZoneId	String	cn-hangzhou-f	The zone ID of the instance.
PageNumber	Integer	1	The number of the returned page.
PageSize	Integer	10	The number of entries returned per page.
RequestId	String	EBECBF12-2E34-41BE-8DE9-FC3700D4D6**	The ID of the request. It is the unique ID that is dynamically generated for the request.
TotalCount	Long	18	The total number of entries.

## Examples

### Sample requests



```
http(s)://[Endpoint]/? Action=DescribeInstances
&<Common request parameters>
```

### Sample success responses

#### XML format

```
<PageNumber>1</PageNumber>
<TotalCount>9</TotalCount>
<PageSize>10</PageSize>
<RequestId>4871E1AF-BAB2-41B6-B9D6-41717861F443</RequestId>
<Instances>
  <Instance>
    <ClusterId>hb-bp16o0pd52e3y582s</ClusterId>
    <ZoneId>cn-hangzhou-f</ZoneId>
    <MasterDiskSize>0</MasterDiskSize>
    <VpcId>vpc-bp120k6ixs4eoghzwvu6x</VpcId>
    <Engine>hbase</Engine>
    <MajorVersion>2.0</MajorVersion>
    <CoreNodeCount>4</CoreNodeCount>
    <NetworkType>VPC</NetworkType>
    <CoreDiskType>cloud_ssd</CoreDiskType>
    <MasterDiskType/>
    <CoreInstanceType>hbase.sn1.large</CoreInstanceType>
    <VswitchId>vsw-bp191ipotqj1ssyl7dbqf</VswitchId>
    <CoreDiskSize>100</CoreDiskSize>
    <PayType>PayAsYouGo</PayType>
    <ClusterName>wangjk-HBase</ClusterName>
    <MasterInstanceType>hbase.sn1.medium</MasterInstanceType>
    <CreatedTime>2019-09-12T14:40:46</CreatedTime>
    <Status>ACTIVATION</Status>
    <MinorVersion>2.0.8</MinorVersion>
    <ColdStorageStatus>open</ColdStorageStatus>
    <RequestId>EBECBF12-2E34-41BE-8DE9-FC3700D4D6C6</RequestId>
    <RegionId>cn-hangzhou</RegionId>
    <MasterNodeCount>2</MasterNodeCount>
    <BackupStatus>open</BackupStatus>
  </Instance>
</Instances>
```

#### JSON format

```
{
  "PageNumber":1,
  "TotalCount":9,
  "PageSize":10,
  "RequestId":"4871E1AF-BAB2-41B6-B9D6-41717861F443",
  "Instances":{
    "Instance":[
      {
        "CreatedTime":"2019-09-12T14:40:46",
        "ClusterId":"hb-bp16o0pd52e3y582s",
        "ZoneId":"cn-hangzhou-f",
        "MasterDiskSize":0,
        "VpcId":"vpc-bp120k6ixs4eoghzwvu6x",
        "Engine":"hbase",
        "MajorVersion":"2.0",
        "CoreNodeCount":4,
        "Status":"ACTIVATION",
        "NetworkType":"VPC",
```

```

"CoreDiskType":"cloud_ssd",
"MinorVersion":"2.0.8",
"ColdStorageStatus":"open",
"MasterDiskType":"",
"RegionId":"cn-hangzhou",
"RequestId":"EBECBF12-2E34-41BE-8DE9-FC3700D4D6C6",
"CoreInstanceType":"hbase.sn1.large",
"MasterNodeCount":2,
"VswitchId":"vsw-bp191ipotqj1ssyl7dbqf",
"BackupStatus":"open",
"CoreDiskSize":100,
"ClusterName":"wangjk-HBase",
"PayType":"PayAsYouGo",
"MasterInstanceType":"hbase.sn1.medium"
},
{}
]
}
}

```

### Error codes

For a list of error codes, visit the [API Error Center](#).

## 2.6 ModifyInstanceName

You can call this operation to modify the name of the instance.

### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	ModifyInstanceName	The operation that you want to perform. Set the value to ModifyInstanceName.
<b>ClusterId</b>	String	Yes	hb-bp16o0pd52e3****	The ID of the instance.
<b>ClusterName</b>	String	Yes	hbase_test	The instance name that you want to change to.

Parameter	Type	Required	Example	Description
<b>RegionId</b>	String	Yes	cn-hangzhou	The ID of the region, for example , cn-hangzhou.
<b>AccessKeyId</b>	String	No	LTAIFC*****	The AccessKey ID provided to you by Alibaba Cloud.
<b>ClientToken</b>	String	No	ETnLklblzczsh *****	The client token that is used to ensure the idempotence of the request. You can use the client to generate the value, but you must make sure that it is unique among different requests. The token can only contain ASCII characters and cannot exceed 64 characters in length.
<b>ZoneId</b>	String	No	cn-hangzhou-b	The ID of the zone.

### Response parameters

Parameter	Type	Example	Description
RequestId	String	65BDA532-28AF -4122-AA39- B382721EEE64	The ID of the request.

### Examples

#### Sample requests

```
http(s)://[Endpoint]/? Action=ModifyInstanceName
&ClusterId=hb-bp16o0pd52e3y582s
&ClusterName=hbase_test
&RegionId=cn-hangzhou
&<Common request parameters>
```

#### Sample success responses

XML format

```
<RequestId>65BDA532-28AF-4122-AA39-B382721EEE64</RequestId>
```

JSON format

```
{  
  "RequestId": "65BDA532-28AF-4122-AA39-B382721EEE64"  
}
```

### Error codes

For a list of error codes, visit the [API Error Center](#).

## 2.7 ResizeNodeCount

You can call this operation to change the number of nodes in an instance.

You can raise the number of core nodes in an instance. Five core nodes can be added at most at a time and a maximum of 20 nodes can be configured for an instance. If you want to use more nodes, submit a ticket.

### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	ResizeNodeCount	The operation that you want to perform. Set the value to ResizeNodeCount.
<b>ClusterId</b>	String	Yes	hb-bp16o0pd52e****	The ID of the instance.

Parameter	Type	Required	Example	Description
<b>NodeCount</b>	Integer	Yes	5	The number of core nodes in the cluster.  Five core nodes can be added at most at a time and a maximum of 20 nodes can be configured for an instance. If you want to use more nodes, submit a ticket.

### Response parameters

Parameter	Type	Example	Description
OrderId	String	204708600050793	The ID of the order.

### Examples

#### Sample requests

```
http(s)://[Endpoint]/? Action=ResizeNodeCount
&ClusterId=hb-bp16o0pd52e3y582s
&NodeCount=5
&<Common request parameters>
```

#### Sample success responses

#### JSON format

```
{
  "RequestId": "B288B41F-6681-42A6-8905-47C3C42B19B0",
  "OrderId": "204708600050793"
}
```

### Error codes

For a list of error codes, visit the [API Error Center](#).

## 2.8 ResizeDiskSize

You can call this operation to resize the disk.

### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	ResizeDiskSize	The operation that you want to perform. Set the value to ResizeDiskSize.
<b>ClusterId</b>	String	Yes	hb-bp16o0pd52e3y582s	The ID of the instance.
<b>NodeDiskSize</b>	Integer	Yes	120	The disk size of a node.

### Response parameters

Parameter	Type	Example	Description
OrderId	String	3C22622B-8555-42BF-AD8A-1B9607437ABC	The ID of the order.
RequestId	String	493A762B-E4A6-44E9-B877-CA6D0CAF8B29	The ID of the request.

### Examples

#### Sample requests

```
http(s)://[Endpoint]/? Action=ResizeDiskSize
&ClusterId=hb-bp16o0pd52e3y582s
&NodeDiskSize=120
&<Common request parameters>
```

#### Sample success responses



### XML format

```
<OrderId>3C22622B-8555-42BF-AD8A-1B9607437ABC</OrderId>
<RequestId>50373857-C47B-4B64-9332-D0B5280B59EA</RequestId>
```

### JSON format

```
{
  "RequestId": "50373857-C47B-4B64-9332-D0B5280B59EA",
  "OrderId": "3C22622B-8555-42BF-AD8A-1B9607437ABC"
}
```

## Error codes

For a list of error codes, visit the [API Error Center](#).

## 2.9 RestartInstance

You can call this operation to restart a cluster.

### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	RestartInstance	The operation that you want to perform. Set the value to RestartInstance.
<b>ClusterId</b>	String	Yes	hb-bp16o0pd52e3y582s	The ID of the cluster.
<b>Components</b>	String	No	THRIFT	The component.

### Response parameters

Parameter	Type	Example	Description
RequestId	String	70F2D5B8-632F-4045-8F2D-2ADF73A31C08	The ID of the request.

## Examples

### Sample requests

```
http(s)://[Endpoint]/? Action=RestartInstance
&ClusterId=hb-bp16o0pd52e3y582s
&<Common request parameters>
```

### Sample success responses

#### XML format

```
<RequestId>70F2D5B8-632F-4045-8F2D-2ADF73A31C08</RequestId>
```

#### JSON format

```
{
  "RequestId": "70F2D5B8-632F-4045-8F2D-2ADF73A31C08"
}
```

## Error codes

For a list of error codes, visit the [API Error Center](#).

## 2.10 DescribeInstanceType

You can call this operation to query the instance specifications such as CPU and memory.

### Billing

The complete mappings between instance types and specifications are subject to the list returned by this operation.

If the error “instanceType is not found” is returned, the instance type is phased out. If you have strong demand for this instance type, contact Alibaba Cloud HBase management team.

## Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

## Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	DescribeInstanceType	The operation that you want to perform. Set the value to DescribeInstanceType.
<b>InstanceType</b>	String	Yes	hbase.n2.4xlarge	The name of the instance type. Valid values: hbaseMasterInstanceType, hbaseCoreInstanceType, and sparkInstanceType. If this parameter is not specified, the list of all instance types is returned.

## Response parameters

Parameter	Type	Example	Description
InstanceTypeSpecList	Array		The list of instance types.
InstanceTypeSpec			The list of instance types.
CpuSize	Long	8	The number of CPU cores.
InstanceType	String	hbase.n2.4xlarge	The name of the instance type.
MemSize	Long	16	The memory size. Unit: GB.
RequestId	String	DD23BBB4-64C2-42A4-B2E2-7E56C7AA815A	The ID of the request.

## Examples

### Sample requests

```
http(s)://[Endpoint]/? Action=DescribeInstanceType
&InstanceType=hbase.n2.4xlarge
```

## &amp;&lt;Common request parameters&gt;

Sample success responses

XML format

```
<RequestId>DD23BBB4-64C2-42A4-B2E2-7E56C7AA815A</RequestId>
<InstanceTypeSpecList>
  <InstanceTypeSpec>
    <CpuSize>16</CpuSize>
    <MemSize>64</MemSize>
    <InstanceType>hbase.n2.4xlarge</InstanceType>
  </InstanceTypeSpec>
</InstanceTypeSpecList>
```

JSON format

```
{
  "RequestId": "DD23BBB4-64C2-42A4-B2E2-7E56C7AA815A",
  "InstanceTypeSpecList": {
    "InstanceTypeSpec": [
      {
        "CpuSize": 16,
        "MemSize": 64,
        "InstanceType": "hbase.n2.4xlarge"
      }
    ]
  }
}
```

### Error codes

For a list of error codes, visit the [API Error Center](#).

## 2.11 ModifyInstanceMaintainTime

You can call this operation to modify the maintenance window of the instance.

### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	ModifyInstanceMaintainTime	The operation that you want to perform. Set the value to ModifyInstanceMaintainTime.

Parameter	Type	Required	Example	Description
<b>ClusterId</b>	String	Yes	cds-bp1b** 6jco895***	The ID of the instance for which you want to modify the maintenance window.
<b>MaintainEndTime</b>	String	Yes	4:00	The end time of the maintenance window. Specify the time in the HH:mm format.
<b>MaintainStartTime</b>	String	Yes	2:00	The start time of the maintenance window. Specify the time in the HH:mm format.

### Response parameters

Parameter	Type	Example	Description
RequestId	String	C9085433-A56A-4089-B49A-DF5A4E2B7B06	The ID of the request.

### Examples

#### Sample requests

```
http(s)://[Endpoint]/? Action=ModifyInstanceMaintainTime
&ClusterId=cds-bp1b**6jco895***
&MaintainEndTime=4:00
&MaintainStartTime=2:00
&<Common request parameters>
```

#### Sample success responses

##### XML format

```
<RequestId>C9085433-A56A-4089-B49A-DF5A4E2B7B06</RequestId>
```

##### JSON format

```
{
  "RequestId": "C9085433-A56A-4089-B49A-DF5A4E2B7B06"
}
```

}

**Error codes**

For a list of error codes, visit the [API Error Center](#).

**2.12 CreateCluster**

Create an HBase cluster

**Debugging**

You can directly run this interface in OpenAPI Explorer, saving you from the trouble of calculating the signature. After the SDK runs successfully, OpenAPI Explorer automatically generates SDK code examples.

**Request parameters**

Name	Type	Required or not	Sample value	Description
<b>Action</b>	String	Yes	CreateCluster	The operation that you want to perform. Set the value to CreateCluster.
<b>ClusterName</b>	String	Yes	Hbase_test	Cluster name  The name must be 2 to 128 characters in length and can contain numbers, '!', '_' or '-'; It must start with an uppercase or lowercase letter or a Chinese character.
<b>CoreInstanceType</b>	String	Yes	hbase.sn1.medium	For more information, you can call the DescribeInstanceType operation.
<b>DiskSize</b>	Integer	Yes	400	Node disk size, in GB

Name	Type	Required or not	Sample value	Description
<b>DiskType</b>	String	Yes	Cloud_ssd	The type of the disk. Valid values : cloud_efficiency, cloud_ssd, local_hdd_pro, and local_ssd_pro.
<b>Engine</b>	String	Yes	hbase	Service Type: hbase, hbaseue, etc.
<b>EngineVersion</b>	String	Yes	2.0	There are differences depending on the engine type, hbase: 1.1, 2.0 hbaseue: 2.0
<b>MasterInstanceType</b>	String	Yes	hbase.sn1.medium	For more information, you can call the DescribeInstanceType operation.
<b>NodeCount</b>	Integer	Yes	2	The number of nodes. Valid values: 1 to 20. Single cluster: 1. cloud disk: at least 2. local disk: at least 3.
<b>PayType</b>	String	Yes	Prepaid	The billing method. Valid values: Prepaid and Postpaid.
<b>RegionId</b>	String	Yes	cn-hangzhou	Region ID
<b>SecurityIPList</b>	String	Yes	127.0.0.1	The whitelist. 0.0.0.0/0 is not recommended. Separate multiple IP addresses with commas (,).

Name	Type	Required or not	Sample value	Description
<b>VpcId</b>	String	Yes	Vpc-bp120k6ixs4eogmodifyblobkchains *	The id of the vpc. If both vswitchId and vswitchId are null, the vpc is connected to a classic network. Vpc
<b>VSwitchId</b>	String	Yes	Vsw-bp191ipotqj1ssylmodifyblobkchains *	The id of the vSwitch.
<b>ZoneId</b>	String	Yes	cn-hangzhou-f	Zone id
<b>ColdStorageSize</b>	Integer	No	1024	The cold storage size. A value equal to 0 indicates that cold storage is not enabled. A value greater than 0 indicates that cold storage is enabled.
<b>PeriodUnit</b>	String	No	month	Prepayment cycle unit: year; month.
<b>Period</b>	Integer	No	6	Pre-payment cycle: effective when PayType = Prepaid. Valid values: 1 to 5. PeriodUnit = month. Valid values: 1 to 9.



Name	Type	Required or not	Sample value	Description
<b>AutoRenewPeriod</b>	Integer	No	2	The automatic renewal cycle . Unit: month. Default value: 0, indicating that automatic renewal is disabled.  Autorenamespace period = 2 indicates that the instance is automatically renewed for two months after expiration.
<b>ClientToken</b>	String	No	ETnLKlblzc zshOTUbOCz xxxxxxxxxx	Used to ensure the idempotence of the request. This parameter value is generated by the client and must be unique among different requests. It is case-sensitive and can contain up to 64 ASCII characters.

**Response Data**

Name	Type	Sample value	Description
RequestId	String	Renewal	Request id
ClusterId	String	hb-bp1hy2ipk *****g	Cluster id
OrderId	String	23232453233	Order id

**Example**

Request example

```
http(s)://[Endpoint]/? Action=CreateCluster
&ClusterName=hbase_test
&CoreInstanceType=hbase.sn1.medium
&DiskSize=400
&DiskType=cloud_ssd
&Engine=hbase
&EngineVersion=2.0
&MasterInstanceType=hbase.sn1.medium
```

```
&NodeCount=2
&PayType=Prepaid
&RegionId=cn-hangzhou
&SecurityIPList=127.0.0.1
&VpcId=vpc-bp120k6ixs4eog*****
&VSwitchId=vsw-bp191ipotqj1ssyl*****
&ZoneId=cn-hangzhou-f
& <Common request parameters>
```

Normal response example

XMLFormat

```
<ClusterId>hb-bp16o0pd52e3y582s</ClusterId>
<RequestId>728C7EAF-4844-4D42-9BBE-DFFFBB77CF33</RequestId>
<OrderId>23232453233</OrderId>
```

JSONFormat

```
{
  "ClusterId": "hb-bp16o0pd52e3y582s",
  "RequestId": "728C7EAF-4844-4D42-9BBE-DFFFBB77CF33",
  "OrderId": "23232453233"
}
```

## Error code

Access [Error Center](#) For more information, see error codes.

## 3 Network management

---

### 3.1 DescribeEndpoints

You can call this operation to query the connection information of a cluster database based on the cluster ID.

#### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

#### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	DescribeEndpoints	The operation that you want to perform. Set the value to DescribeEndpoints.
<b>ClusterId</b>	String	Yes	hb-bp16f1441y6p2kv**	The ID of the cluster that you want to query.

#### Response parameters

Parameter	Type	Example	Description
ConnAddrs	Array		The list of connections.
ConnAddrInfo			The list of detailed connection information.
ConnAddr	String	hb-bp16o0pd52e3y582s-master2-001.hbase.rds.aliyuncs.com	The connection address.
ConnAddrPort	String	2181	The connection port.

Parameter	Type	Example	Description
ConnType	String	zkConn	<p>The connection type. Valid values:</p> <p>uiProxyConn: The connection address of the user interface (UI).</p> <p>zkConn: The connection address of ZooKeeper.</p> <p>thriftConn: The connection address of Thrift.</p> <p>slbConn_thrift: The connection address of Thrift for Server Load Balancer (SLB).</p> <p>serviceConn_LivyConnAddr: The connection address of Livy.</p> <p>...</p>
NetType	String	2	<p>The network type of the connection. Valid values:</p> <p>If the NetType parameter is set to 0, the network type of the connection is Internet.</p> <p>If the NetType parameter is set to 1, the network type of the connection is private network.</p> <p>If the NetType parameter is set to 2, the network type of the connection is VPC.</p>

Parameter	Type	Example	Description
Engine	String	hbase	The product engine.  hbase spark geomesa ...
NetType	String	VPC	The network type. If the network is VPC, the value of vpcId is returned. Valid values:  VPC  CLASSIC  If the network type is VPC, the values of vSwitchId and vpcId are returned.
RequestId	String	EBECBF12-2E34-41BE-8DE9-FC3700D4D6**	The ID of the request. It is the unique ID that is dynamically generated for the request.
VSwitchId	String	vsw-bp191ipotq****dbqf	The ID of the VSwitch. When the value of NetType is 2, this value is returned. Example: vsw-xxxx.
VpcId	String	vpc-bp120k6ixs4eoghz*****	The ID of the VPC. When the value of NetType is 2, this value is returned. Example: vpc-xxxx.

## Examples

### Sample requests

```
http(s)://[Endpoint]/? Action=DescribeEndpoints
&ClusterId=hb-bp16f1441y6p2kv**
&<Common request parameters>
```

### Sample success responses

## XML format

```

<ConnAddrs>
  <ConnAddrInfo>
    <ConnType>uiProxyConn</ConnType>
    <ConnAddrPort>443</ConnAddrPort>
    <NetType>PUBLIC</NetType>
    <ConnAddr>hb-bp16o0pd52e3y582s-nginx-master1-001.hbase.rds.aliyuncs.com</
ConnAddr>
  </ConnAddrInfo>
  <ConnAddrInfo>
    <ConnType>zkConn</ConnType>
    <ConnAddrPort>2181</ConnAddrPort>
    <NetType>2</NetType>
    <ConnAddr>hb-bp16o0pd52e3y582s-master2-001.hbase.rds.aliyuncs.com</
ConnAddr>
  </ConnAddrInfo>
  <ConnAddrInfo>
    <ConnType>zkConn</ConnType>
    <ConnAddrPort>2181</ConnAddrPort>
    <NetType>2</NetType>
    <ConnAddr>hb-bp16o0pd52e3y582s-master3-001.hbase.rds.aliyuncs.com</
ConnAddr>
  </ConnAddrInfo>
  <ConnAddrInfo>
    <ConnType>thriftConn</ConnType>
    <ConnAddrPort>9099</ConnAddrPort>
    <NetType>2</NetType>
    <ConnAddr>hb-bp16o0pd52e3y582s-master3-001.hbase.rds.aliyuncs.com</
ConnAddr>
  </ConnAddrInfo>
  <ConnAddrInfo>
    <ConnType>zkConn</ConnType>
    <ConnAddrPort>2181</ConnAddrPort>
    <NetType>2</NetType>
    <ConnAddr>hb-bp16o0pd52e3y582s-master1-001.hbase.rds.aliyuncs.com</
ConnAddr>
  </ConnAddrInfo>
  <ConnAddrInfo>
    <ConnType>thriftConn</ConnType>
    <ConnAddrPort>9099</ConnAddrPort>
    <NetType>2</NetType>
    <ConnAddr>hb-bp16o0pd52e3y582s-core-001.hbase.rds.aliyuncs.com</ConnAddr>
  </ConnAddrInfo>
  <ConnAddrInfo>
    <ConnType>slbConn_thrift</ConnType>
    <ConnAddrPort>9099</ConnAddrPort>
    <NetType>2</NetType>
    <ConnAddr>hb-bp16o0pd52e3y582s-proxy-thrift.hbase.rds.aliyuncs.com</
ConnAddr>
  </ConnAddrInfo>
</ConnAddrs>
<RequestId>036C0840-DE57-4838-8AED-0C062541102F</RequestId>
<NetType>VPC</NetType>
<VSwitchId>vsw-bp191ipotqj1ssyl7dbqf</VSwitchId>
<Engine>hbase</Engine>
<VpcId>vpc-bp120k6ixs4eoghzwvu6x</VpcId>

```

## JSON format

```

{
  "ConnAddrs":{

```

```
"ConnAddrInfo":[
  {
    "ConnType":"uiProxyConn",
    "ConnAddrPort":443,
    "NetType":"PUBLIC",
    "ConnAddr":"hb-bp16o0pd52e3y582s-nginx-master1-001.hbase.rds.aliyuncs.com"
  },
  {
    "ConnType":"zkConn",
    "ConnAddrPort":2181,
    "NetType":"2",
    "ConnAddr":"hb-bp16o0pd52e3y582s-master2-001.hbase.rds.aliyuncs.com"
  },
  {
    "ConnType":"zkConn",
    "ConnAddrPort":2181,
    "NetType":"2",
    "ConnAddr":"hb-bp16o0pd52e3y582s-master3-001.hbase.rds.aliyuncs.com"
  },
  {
    "ConnType":"thriftConn",
    "ConnAddrPort":9099,
    "NetType":"2",
    "ConnAddr":"hb-bp16o0pd52e3y582s-master3-001.hbase.rds.aliyuncs.com"
  },
  {
    "ConnType":"zkConn",
    "ConnAddrPort":2181,
    "NetType":"2",
    "ConnAddr":"hb-bp16o0pd52e3y582s-master1-001.hbase.rds.aliyuncs.com"
  },
  {
    "ConnType":"thriftConn",
    "ConnAddrPort":9099,
    "NetType":"2",
    "ConnAddr":"hb-bp16o0pd52e3y582s-core-001.hbase.rds.aliyuncs.com"
  },
  {
    "ConnType":"slbConn_thrift",
    "ConnAddrPort":9099,
    "NetType":"2",
    "ConnAddr":"hb-bp16o0pd52e3y582s-proxy-thrift.hbase.rds.aliyuncs.com"
  }
],
"RequestId":"036C0840-DE57-4838-8AED-0C062541102F",
"NetType":"VPC",
"VSwitchId":"vsw-bp191ipotqj1ssyl7dbqf",
"VpcId":"vpc-bp120k6ixs4eoghzwvu6x",
"Engine":"hbase"
}
```

## Error codes

For a list of error codes, visit the [API Error Center](#).

## 4 Security management

### 4.1 ModifyIpWhitelist

You can call this operation to modify a network access whitelist.

#### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

#### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	ModifyIpWhitelist	The operation that you want to perform. Set the value to ModifyIpWhitelist.
<b>ClusterId</b>	String	Yes	hb-bp16o0pd52e3y582s	The ID of the instance.
<b>GroupName</b>	String	Yes	group_01	The name of the whitelist group.
<b>IpList</b>	String	Yes	218.30.113.40, 192.168.0.23	The list of IP addresses.
<b>IpVersion</b>	String	Yes	6	The IP version. The version can be IPv4 or IPv6.

#### Response parameters

Parameter	Type	Example	Description
RequestId	String	50373857-C47B-4B64-9332-D0B5280B59EA	The ID of the request.



## Examples

### Sample requests

```
http(s)://[Endpoint]/? Action=ModifyIpWhitelist
&ClusterId=hb-bp16o0pd52e3y582s
&GroupName=group_01
&IpList=218.30.113.40,192.168.0.23
&IpVersion=6
&<Common request parameters>
```

### Sample success responses

#### XML format

```
<RequestId>50373857-C47B-4B64-9332-D0B5280B59EA</RequestId>
```

#### JSON format

```
{
  "RequestId": "50373857-C47B-4B64-9332-D0B5280B59EA"
}
```

## Error codes

For a list of error codes, visit the [API Error Center](#).

## 4.2 DescribeIpWhitelist

You can call this operation to query the cluster whitelist by the cluster ID.

### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	DescribeIpWhitelist	The operation that you want to perform. Set the value to DescribeIpWhitelist.
<b>ClusterId</b>	String	Yes	hb-bp16f1441y6p2kv**	The ID of the cluster that you want to query.

## Response parameters

Parameter	Type	Example	Description
Groups	Array		The list of whitelist groups.
Group			The list of whitelist groups.
GroupName	String	group_01	The name of the whitelist group.
IpList	List	127.0.0.1,192.168.0.1	The list of IP addresses in the whitelist.
Ip			The list of IP addresses in the whitelist.
IpVersion	Integer	6	The IP version. The version can be IPv4 or IPv6.
RequestId	String	98B9E411-33C5-4499-9A93-4FE3FFDBC53C	The ID of the request. It is the unique ID that is dynamically generated for the request.

## Examples

### Sample requests

```
http(s)://[Endpoint]/? Action=DescribeIpWhitelist
&ClusterId=hb-bp16f1441y6p2kv**
&<Common request parameters>
```

### Sample success responses

#### XML format

```
<Groups>
  <Group>
    <IP>127.0.0.1</IP>
    <IP>192.168.0.1</IP>
    <IpVersion>4</IpVersion>
  </Group>
  <Group>
    <IP>127.0.0.1</IP>
    <IP>192.168.0.1</IP>
    <IpVersion>4</IpVersion>
  </Group>
```

```
</Groups>  
<RequestId>98B9E411-33C5-4499-9A93-4FE3FFDBC53C</RequestId>
```

### JSON format

```
{  
  "Groups":{  
    "Group":[  
      {  
        "IP":[  
          "127.0.0.1",  
          "192.168.0.1"  
        ],  
        "IpVersion":4  
      },  
      {  
        "IP":[  
          "127.0.0.1",  
          "192.168.0.1"  
        ],  
        "IpVersion":4  
      }  
    ]  
  },  
  "RequestId":"98B9E411-33C5-4499-9A93-4FE3FFDBC53C"  
}
```

### Error codes

For a list of error codes, visit the [API Error Center](#).

## 5 Account management

### 5.1 ModifyUIAccountPassword

You can call this operation to reset the password for UI access.

#### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

#### Request parameters

Parameter	Type	Required	Example	Description
<b>AccountName</b>	String	Yes	hbase_test	The username.
<b>AccountPassword</b>	String	Yes	alibaba! @#\$	The password.
<b>Action</b>	String	Yes	ModifyUIAccountPassword	The operation that you want to perform. Set the value to ModifyUIAccountPassword.
<b>ClusterId</b>	String	Yes	hb-bp16o0pd52e3y582s	The ID of the instance.

#### Response parameters

Parameter	Type	Example	Description
RequestId	String	288E9010-36DD-499C-B4DA-61E4362DA4CC	The ID of the request.

#### Examples

Sample requests

```
http(s)://[Endpoint]/? Action=ModifyUIAccountPassword
&AccountName=hbase_test
&AccountPassword=alibaba! @#$
```

```
&ClusterId=hb-bp16o0pd52e3y582s  
&<Common request parameters>
```

Sample success responses

XML format

```
<RequestId>50373857-C47B-4B64-9332-D0B5280B59EA</RequestId>
```

JSON format

```
{  
  "RequestId": "50373857-C47B-4B64-9332-D0B5280B59EA"  
}
```

### Error codes

For a list of error codes, visit the [API Error Center](#).

## 6 Zone management

### 6.1 DescribeRegions

You can call this operation to query the most recent region list.

#### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

#### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	DescribeRegions	The operation that you want to perform. Set the value to DescribeRegions.
<b>AcceptLanguage</b>	String	No	zh-CN	The supported natural languages . Valid values: <ul style="list-style-type: none"> <li>zh-CN: This is the default value .</li> <li>en-US</li> <li>ja</li> </ul>

#### Response parameters

Parameter	Type	Example	Description
Regions	Array		The list of regions.
Region			The list of regions.
LocalName	String	China (Hangzhou)	The name of the region.
RegionEndpoint	String	hbase.aliyuncs.com	The endpoint of the region.

Parameter	Type	Example	Description
RegionId	String	cn-hangzhou	The ID of the region. Example: cn-hangzhou.
Zones	Array		The list of zones.
Zone			The list of zones.
Id	String	cn-hangzhou-b	The ID of the zone.
RequestId	String	14D3924C-4FD8-4EE9-9B34-DA949D104F42	The ID of the request.

## Examples

### Sample requests

```
http(s)://[Endpoint]/? Action=DescribeRegions
&<Common request parameters>
```

### Sample success responses

#### XML format

```
<RequestId>8D354E7A-E7F4-4A1D-A5D9-159DAC29FEA6</RequestId>
<Regions>
  <Region>
    <RegionId>cn-hangzhou</RegionId>
    <RegionEndpoint>hbase.aliyuncs.com</RegionEndpoint>
    <LocalName>China (Hangzhou)</LocalName>
    <Zones>
      <Zone>
        <Id>cn-hangzhou-h</Id>
      </Zone>
      <Zone>
        <Id>cn-hangzhou-i</Id>
      </Zone>
      <Zone>
        <Id>cn-hangzhou-b</Id>
      </Zone>
      <Zone>
        <Id>cn-hangzhou-e</Id>
      </Zone>
      <Zone>
        <Id>cn-hangzhou-f</Id>
      </Zone>
      <Zone>
        <Id>cn-hangzhou-g</Id>
      </Zone>
    </Zones>
  </Region>
```

```
<Region>
  <RegionId>cn-shanghai</RegionId>
  <RegionEndpoint>hbase.aliyuncs.com</RegionEndpoint>
  <LocalName>China (Shanghai)</LocalName>
  <Zones>
    <Zone>
      <Id>cn-shanghai-g</Id>
    </Zone>
    <Zone>
      <Id>cn-shanghai-e</Id>
    </Zone>
    <Zone>
      <Id>cn-shanghai-f</Id>
    </Zone>
    <Zone>
      <Id>cn-shanghai-a</Id>
    </Zone>
    <Zone>
      <Id>cn-shanghai-b</Id>
    </Zone>
    <Zone>
      <Id>cn-shanghai-c</Id>
    </Zone>
    <Zone>
      <Id>cn-shanghai-d</Id>
    </Zone>
  </Zones>
</Region>
<Region>
  <RegionId>cn-qingdao</RegionId>
  <RegionEndpoint>hbase.aliyuncs.com</RegionEndpoint>
  <LocalName>China (Qingdao)</LocalName>
  <Zones>
    <Zone>
      <Id>cn-qingdao-b</Id>
    </Zone>
    <Zone>
      <Id>cn-qingdao-c</Id>
    </Zone>
  </Zones>
</Region>
<Region>
  <RegionId>cn-beijing</RegionId>
  <RegionEndpoint>hbase.aliyuncs.com</RegionEndpoint>
  <LocalName>China (Beijing)</LocalName>
  <Zones>
    <Zone>
      <Id>cn-beijing-h</Id>
    </Zone>
    <Zone>
      <Id>cn-beijing-g</Id>
    </Zone>
    <Zone>
      <Id>cn-beijing-f</Id>
    </Zone>
    <Zone>
      <Id>cn-beijing-a</Id>
    </Zone>
    <Zone>
      <Id>cn-beijing-b</Id>
    </Zone>
    <Zone>
      <Id>cn-beijing-c</Id>
    </Zone>
  </Zones>
</Region>
```



```

    <Zone>
      <Id>cn-beijing-d</Id>
    </Zone>
  </Zones>
</Region>
<Region>
  <RegionId>cn-shenzhen</RegionId>
  <RegionEndpoint>hbase.aliyuncs.com</RegionEndpoint>
  <LocalName>China (Shenzhen)</LocalName>
  <Zones>
    <Zone>
      <Id>cn-shenzhen-d</Id>
    </Zone>
    <Zone>
      <Id>cn-shenzhen-e</Id>
    </Zone>
    <Zone>
      <Id>cn-shenzhen-a</Id>
    </Zone>
    <Zone>
      <Id>cn-shenzhen-b</Id>
    </Zone>
    <Zone>
      <Id>cn-shenzhen-c</Id>
    </Zone>
  </Zones>
</Region>
<Region>
  <RegionId>ap-southeast-1</RegionId>
  <RegionEndpoint>hbase.aliyuncs.com</RegionEndpoint>
  <LocalName>Singapore</LocalName>
  <Zones>
    <Zone>
      <Id>ap-southeast-1c</Id>
    </Zone>
    <Zone>
      <Id>ap-southeast-1a</Id>
    </Zone>
    <Zone>
      <Id>ap-southeast-1b</Id>
    </Zone>
  </Zones>
</Region>
</Regions>

```

### JSON format

```

{
  "RequestId": "8D354E7A-E7F4-4A1D-A5D9-159DAC29FEA6",
  "Regions": {
    "Region": [
      {
        "RegionId": "cn-hangzhou",
        "RegionEndpoint": "hbase.aliyuncs.com",
        "LocalName": "China (Hangzhou)",
        "Zones": {
          "Zone": [
            {
              "Id": "cn-hangzhou-h"
            }
          ]
        }
      }
    ]
  }
}

```

```
{
  "Id":"cn-hangzhou-i"
},
{
  "Id":"cn-hangzhou-b"
},
{
  "Id":"cn-hangzhou-e"
},
{
  "Id":"cn-hangzhou-f"
},
{
  "Id":"cn-hangzhou-g"
}
}
}
{
  "RegionId":"cn-shanghai",
  "RegionEndpoint":"hbase.aliyuncs.com",
  "LocalName":"China (Shanghai)",
  "Zones":{
    "Zone":[
      {
        "Id":"cn-shanghai-g"
      },
      {
        "Id":"cn-shanghai-e"
      },
      {
        "Id":"cn-shanghai-f"
      },
      {
        "Id":"cn-shanghai-a"
      },
      {
        "Id":"cn-shanghai-b"
      },
      {
        "Id":"cn-shanghai-c"
      },
      {
        "Id":"cn-shanghai-d"
      }
    ]
  }
}
}
{
  "RegionId":"cn-qingdao",
  "RegionEndpoint":"hbase.aliyuncs.com",
  "LocalName":"China (Qingdao)",
  "Zones":{
    "Zone":[
      {
        "Id":"cn-qingdao-b"
      },
      {
        "Id":"cn-qingdao-c"
      }
    ]
  }
}
}
```

```
"RegionId":"cn-beijing",
"RegionEndpoint":"hbase.aliyuncs.com",
"LocalName":"China (Beijing)",
"Zones":{
  "Zone":[
    {
      "Id":"cn-beijing-h"
    },
    {
      "Id":"cn-beijing-g"
    },
    {
      "Id":"cn-beijing-f"
    },
    {
      "Id":"cn-beijing-a"
    },
    {
      "Id":"cn-beijing-b"
    },
    {
      "Id":"cn-beijing-c"
    },
    {
      "Id":"cn-beijing-d"
    },
    {
      "Id":"cn-beijing-e"
    }
  ]
},
{
  "RegionId":"cn-shenzhen",
  "RegionEndpoint":"hbase.aliyuncs.com",
  "LocalName":"China (Shenzhen)",
  "Zones":{
    "Zone":[
      {
        "Id":"cn-shenzhen-d"
      },
      {
        "Id":"cn-shenzhen-e"
      },
      {
        "Id":"cn-shenzhen-a"
      },
      {
        "Id":"cn-shenzhen-b"
      },
      {
        "Id":"cn-shenzhen-c"
      }
    ]
  }
},
{
  "RegionId":"ap-southeast-1",
  "RegionEndpoint":"hbase.aliyuncs.com",
  "LocalName":"Singapore",
  "Zones":{
    "Zone":[
      {
        "Id":"ap-southeast-1c"
      }
    ]
  }
}
```

```
    },  
    {  
      "Id": "ap-southeast-1a"  
    },  
    {  
      "Id": "ap-southeast-1b"  
    }  
  ]  
}
```

### Error codes

For a list of error codes, visit the [API Error Center](#).

## 7 Xpack

### 7.1 XpackRelateDB

You can call this operation to associate a database.

#### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

#### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	XpackRelateDB	The operation that you want to perform. Set the value to XpackRelateDB.
<b>ClusterId</b>	String	Yes	ap-bp1qtz9rcb bt3p6ng	The ID of the current Spark instance.
<b>DbClusterIds</b>	String	Yes	hb- bp16o0pd52 e3y582s	The ID of the cluster instance to associate.
<b>RelateDbType</b>	String	Yes	hbase	The type of the database to associate.  Valid values for Spark: hdfs , hbase, mongodb, mysql, polardb_mysql, redis, and geomesa.

#### Response parameters

#### Examples

Sample requests

```
http(s)://[Endpoint]/? Action=XpackRelateDB
```

```
&ClusterId=ap-bp1qtz9rcbbt3p6ng
&DbClusterIds=hb-bp16o0pd52e3y582s
&RelateDbType=hbase
&<Common request parameters>
```

Sample success responses

XML format

```
<RequestId>50373857-C47B-4B64-9332-D0B5280B59EA</RequestId>
```

JSON format

```
{
  "RequestId": "50373857-C47B-4B64-9332-D0B5280B59EA"
}
```

### Error codes

For a list of error codes, visit the [API Error Center](#).

## 7.2 QueryXpackRelatedDB

You can call this operation to query the list of databases with which the current instance can be associated.

### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	QueryXpack RelatedDB	The operation that you want to perform. Set the value to QueryXpackRelatedDB.
<b>ClusterId</b>	String	Yes	ap-bp1qtz9rcb bt3p6ng	The ID of the current Spark instance.

Parameter	Type	Required	Example	Description
<b>RelateDbType</b>	String	Yes	hbase	<p>The type of the database to associate with.</p> <p>Valid values for Spark: hdfs , hbase, mongodb, mysql, polardb_mysql, redis, and geomesa.</p> <p>Valid values for BDS: hbase, spark, and hbaseue</p>
<b>HasSingleNode</b>	Boolean	No	false	<p>Optional. The parameter takes effect only when the database type is HBase for BDS. true: A single-node HBase instance is included. false: a single-node HBase instance is not included. This parameter is designed for compatibility with single-node HBase instances.</p>

**Response parameters**

Parameter	Type	Example	Description
ClusterList	Array		The list of databases that can be associated.
Cluster			The list of databases that can be associated.
ClusterId	String	hb-bp16o0pd52e3y582s	The ID of the instance.
ClusterName	String	hbase_test	The name of the instance.
DBType	String	hbase	The database type of the instance.
DBVersion	String	2.0	The version of the instance.

Parameter	Type	Example	Description
IsRelated	Boolean	false	Indicates whether the instance is associated.
LockMode	String	..	The lock mode.
Status	String	ACTIVATION	The status of the instance.
RequestId	String	288E9010-36DD-499C-B4DA-61E4362DA4CC	The ID of the request.

## Examples

### Sample requests

```
http(s)://[Endpoint]/? Action=QueryXpackRelatedDB
&ClusterId=ap-bp1qtz9rcbbt3p6ng
&RelatedDbType=hbase
&<Common request parameters>
```

### Sample success responses

#### XML format

```
<RequestId>288E9010-36DD-499C-B4DA-61E4362DA4CC</RequestId>
<ClusterList>
  <Cluster>
    <Status>ACTIVATION</Status>
    <ClusterName>baitu-new-mem</ClusterName>
    <ClusterId>hb-bp16fd5z8srk9216p</ClusterId>
    <IsRelated>>false</IsRelated>
    <DbType>hbase</DbType>
  </Cluster>
  <Cluster>
    <Status>COMP_ADDING</Status>
    <ClusterName>tianyin-ha2</ClusterName>
    <ClusterId>hb-bp16f1441y6p2kv2l</ClusterId>
    <IsRelated>>false</IsRelated>
    <DbType>hbase</DbType>
  </Cluster>
  <Cluster>
    <Status>ACTIVATION</Status>
    <ClusterName>tianyin-ha1</ClusterName>
    <ClusterId>hb-bp1eu91b79o8h0n7i</ClusterId>
    <IsRelated>>false</IsRelated>
    <DbType>hbase</DbType>
  </Cluster>
  <Cluster>
    <Status>ACTIVATION</Status>
    <ClusterName>wangjk-HBase</ClusterName>
    <ClusterId>hb-bp16o0pd52e3y582s</ClusterId>
    <IsRelated>>false</IsRelated>
```



```

    <DBType>hbase</DBType>
  </Cluster>
</Cluster>
  <Status>ACTIVATION</Status>
  <ClusterName>test-hbase-RESERVE</ClusterName>
  <ClusterId>hb-bp15w8hyzqi59p5yn</ClusterId>
  <IsRelated>>false</IsRelated>
  <DBType>hbase</DBType>
</Cluster>
</ClusterList>

```

### JSON format

```

{
  "RequestId": "288E9010-36DD-499C-B4DA-61E4362DA4CC",
  "ClusterList": {
    "Cluster": [
      {
        "Status": "ACTIVATION",
        "ClusterId": "hb-bp16fd5z8srk9216p",
        "ClusterName": "baitu-new-mem",
        "DBType": "hbase",
        "IsRelated": false
      },
      {
        "Status": "COMP_ADDING",
        "ClusterId": "hb-bp16f1441y6p2kv2l",
        "ClusterName": "tianylin-ha2",
        "DBType": "hbase",
        "IsRelated": false
      },
      {
        "Status": "ACTIVATION",
        "ClusterId": "hb-bp1eu91b79o8h0n7i",
        "ClusterName": "tianylin-ha1",
        "DBType": "hbase",
        "IsRelated": false
      },
      {
        "Status": "ACTIVATION",
        "ClusterId": "hb-bp16o0pd52e3y582s",
        "ClusterName": "wangjk-HBase",
        "DBType": "hbase",
        "IsRelated": false
      },
      {
        "Status": "ACTIVATION",
        "ClusterId": "hb-bp15w8hyzqi59p5yn",
        "ClusterName": "test-hbase-RESERVE",
        "DBType": "hbase",
        "IsRelated": false
      }
    ]
  }
}

```

### Error codes

For a list of error codes, visit the [API Error Center](#).

## 7.3 AddUserHdfsInfo

You can call this operation to add custom HDFS addresses in Xpack.

### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	AddUserHdfsInfo	The operation that you want to perform. Set the value to AddUserHdfsInfo.
<b>ClusterId</b>	String	Yes	hb-bp16o0pd52e3y582s	

Parameter	Type	Required	Example	Description
<b>ExtInfo</b>	String	Yes	<pre>{   "dfs.nameservices": "hdfs_test",   "dfs.ha.namenodes": "nn1,nn2",   "dfs.namenode.http-address.hdfs_test.nn1": "TEST-xxx1.com:50070",   "dfs.namenode.http-address.hdfs_test.nn2": "TEST-xxx2.com:50070",   "dfs.namenode.rpc-address.hdfs_test.nn1": "TEST-xxx1.com:8020",   "dfs.namenode.rpc-address.hdfs_test.nn2": "TEST-xxx2.com:8020" }</pre>	<p>You need to set the dfs.nameservices parameter to the nameservices of HDFS and the dfs.ha.namenodes parameter to the DFS node such as nn1, nn2.</p> <p>You need to set the dfs.namenode.http-address.{dfs.nameservices}.nn1 parameter to the connection address to HDFS nn1 over port 50070.</p> <p>You need to set the dfs.namenode.http-address.{dfs.nameservices}.nn2 parameter to the connection address to HDFS nn2 over port 50070.</p> <p>You need to set the dfs.namenode.rpc-address.{dfs.nameservices}.nn1 parameter to the connection address to HDFS nn1 over port 8020.</p> <p>You need to set the dfs.namenode.rpc-address.{dfs.nameservices}.nn2 parameter to the connection address to HDFS nn2 over port 8020.</p> <p>Each DFS node has a connection address over port 50070 and a connection address over port 8020.</p>

## Response parameters

Parameter	Type	Example	Description
RequestId	String	FB0B7918-198C-46A8-AB9B-FE15403B1F0A	

## Examples

### Sample requests

```
http(s)://[Endpoint]/? Action=AddUserHdfsInfo
&ClusterId=hb-bp16o0pd52e3y582s
&ExtInfo={"dfs.nameservices":"hdfs_test","dfs.ha.namenodes":"nn1,nn2","dfs.namenode
.http-address.hdfs_test.nn1":"TEST-xxx1.com:50070","dfs.namenode.http-address.
hdfs_test.nn2":"TEST-xxx2.com:50070","dfs.namenode.rpc-address.hdfs_test.nn1":"TEST-
xxx1.com:8020","dfs.namenode.rpc-address.hdfs_test.nn2":"TEST-xxx2.com:8020"}
&<Common request parameters>
```

### Sample success responses

#### JSON format

```
{"RequestId":"FB0B7918-198C-46A8-AB9B-FE15403B1F0A"}
```

#### XML format

```
<RequestId>FB0B7918-198C-46A8-AB9B-FE15403B1F0A</RequestId>
```

## Error codes

For a list of error codes, visit the [API Error Center](#).

## 7.4 DeleteUserHdfsInfo

You can call this operation to delete custom HDFS information in Xpack.

### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

## Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	DeleteUserHdfsInfo	The operation that you want to perform. Set the value to DeleteUserHdfsInfo.
<b>ClusterId</b>	String	Yes	hb-bp16o0pd52e3y582s	The ID of the instance.
<b>NameService</b>	String	Yes	hdfs_test	The value of the dfs.nameservices parameter in addUserHdfs. This value is returned by the QueryXpackRelatedDB operation, where the relatedDB parameter must be set to hdfs.

## Response parameters

### Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DeleteUserHdfsInfo
&ClusterId=hb-bp16o0pd52e3y582s
&NameService=hdfs_test
&<Common request parameters>
```

Sample success responses

XML format

```
<RequestId>50373857-C47B-4B64-9332-D0B5280B59EA</RequestId>
```

JSON format

```
{
  "RequestId": "50373857-C47B-4B64-9332-D0B5280B59EA"
}
```

## Error codes

For a list of error codes, visit the [API Error Center](#).

## 7.5 DeleteHbaseHaSlb

You can call this operation to delete the corresponding high availability Thrift or Phoenix service. For more information about how to create a service, see [CreateHbaseHaSlb](#).

### Debugging

[OpenAPI Explorer](#) automatically calculates the signature value. For your convenience, we recommend that you call this operation in [OpenAPI Explorer](#). [OpenAPI Explorer](#) dynamically generates the sample code of the operation for different SDKs.

### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	DeleteHbaseHaSlb	The operation that you want to perform. Set the value to DeleteHbaseHaSlb.
<b>BdsId</b>	String	Yes	bds-t4n3496whj23ia4k	The ID of the BDS cluster.
<b>HaId</b>	String	Yes	ha-v21tmnxjwh2yuy1il	The ID of the high availability service in BDS high availability management.
<b>HaTypes</b>	String	Yes	thrift	The type of the high availability service. Valid values:  thrift  phoenix

### Response parameters

Parameter	Type	Example	Description
RequestId	String	C9D568D9-A59C-4AF2-8FBB-F086A841D58E	The ID of the request.

## Examples

### Sample requests

```
http(s)://[Endpoint]/? Action=DeleteHbaseHaSlb
&BdsId=bds-t4n3496whj23ia4k
&HaId=ha-v21tmnxjwh2yuy1il
&HaTypes=thrift
&<Common request parameters>
```

### Sample success responses

#### XML format

```
<RequestId>C9D568D9-A59C-4AF2-8FBB-F086A841D58E</RequestId>
```

#### JSON format

```
{
  "RequestId": "C9D568D9-A59C-4AF2-8FBB-F086A841D58E"
}
```

## Error codes

For a list of error codes, visit the [API Error Center](#).

## 7.6 CreateHbaseHaSlb

You can call this operation to create corresponding high availability Thrift or Phoenix services after you create a high availability HBase instance in a BDS cluster.

You can call this operation only after you create an HBase instance in a BDS cluster and obtain the high availability ID.

## Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

## Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	CreateHbaseHaSlb	The operation that you want to perform. Set the value to CreateHbaseHaSlb.

Parameter	Type	Required	Example	Description
<b>BdsId</b>	String	Yes	bds-t4n3496whj23ia4k	The ID of the BDS cluster.
<b>HaId</b>	String	Yes	ha-v21tmnxjwh2yuy1il	The ID of the high availability service in BDS high availability management.
<b>HaTypes</b>	String	Yes	thrift	The type of the high availability service. Valid values:  thrift  phoenix
<b>HbaseType</b>	String	Yes	Active	Specifies whether to switch to the primary or secondary instance. Valid values:  Active: switches to the primary instance.  Standby: switches to the secondary instance.

### Response parameters

Parameter	Type	Example	Description
RequestId	String	C9D568D9-A59C-4AF2-8FBB-F086A841D58E	The ID of the request.

### Examples

#### Sample requests

```
http(s)://[Endpoint]/? Action=CreateHbaseHaSlb
&BdsId=bds-t4n3496whj23ia4k
&HaId=ha-v21tmnxjwh2yuy1il
&HaTypes=thrift
&HbaseType=Active
```



&<Common request parameters>

Sample success responses

XML format

```
<RequestId>C9D568D9-A59C-4AF2-8FBB-F086A841D58E</RequestId>
```

JSON format

```
{
  "RequestId": "C9D568D9-A59C-4AF2-8FBB-F086A841D58E"
}
```

### Error codes

For a list of error codes, visit the [API Error Center](#).

## 7.7 QueryHBaseHaDB

You can call this operation to query the list of high availability HBase services in the BDS cluster. For more information, see [CreateHaCluster](#) and [CreateHbaseHaSlb](#). This operation will return the corresponding high availability services.

### Debugging

[OpenAPI Explorer](#) automatically calculates the signature value. For your convenience, we recommend that you call this operation in [OpenAPI Explorer](#). [OpenAPI Explorer](#) dynamically generates the sample code of the operation for different SDKs.

### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	QueryHBaseHaDB	The operation that you want to perform. Set the value to QueryHBaseHaDB.
<b>BdsId</b>	String	Yes	bds-t4n3496whj23ia4k	The ID of the BDS cluster.

### Response parameters

Parameter	Type	Example	Description
ClusterList	Array		The list of high availability services.

Parameter	Type	Example	Description
Cluster			The list of high availability services.
ActiveName	String	hb-t4nn7dy1u1 etbzmzm	The ID of the primary instance.
BdsName	String	bds-t4n3496whj 23ia4k	The ID of the BDS cluster.
HaName	String	ha-v21tmnxjwh 2yuy1il	The ID of the high availability service.
HaSlbConnList	Array		The high availability SLB link in the high availability instance.
HaSlbConn			The high availability SLB link in the high availability instance.
HbaseType	String	Standby	Indicates whether the high availability SLB link is attached to the primary instance or the secondary instance. Valid values:  Active: The high availability SLB link in the high availability instance is attached to the primary instance.  Standby: The high availability SLB link in the high availability instance is attached to the secondary instance.
SlbConnAddr	String	ha-v21tmnxjwh 2yuy1il-phoenix. bds.9b78df04-b. rds.aliyuncs.com: 8765	The connection address of the high availability Thrift or Phoenix service.
SlbType	String	phoenix	The type of the high availability service. Valid values:  thrift  phoenix

Parameter	Type	Example	Description
StandbyName	String	hb-t4n0ye37832tx22vz	The ID of the secondary instance.
PageNumber	Integer	1	The page number of the returned page.
PageSize	Integer	10	The number of entries returned per page.
RequestId	String	963355AD-A3B1-4654-AFFC-B5186EB8F889	The ID of the request.
TotalCount	Long	1	The total number of entries.

## Examples

### Sample requests

```
http(s)://[Endpoint]/? Action=QueryHBaseHaDB
&BdsId=bds-t4n3496whj23ia4k
&<Common request parameters>
```

### Sample success responses

#### XML format

```
<TotalCount>1</TotalCount>
<ClusterList>
  <Cluster>
    <ActiveName>hb-t4nn7dy1u1etbzmzm</ActiveName>
    <BdsName>bds-t4n3496whj23ia4k</BdsName>
    <HaName>ha-v21tmnxjwh2yuy1il</HaName>
    <StandbyName>hb-t4n0ye37832tx22vz</StandbyName>
    <HaSlbConnList>
      <HaSlbConn>
        <HbaseType>Standby</HbaseType>
        <SlbConnAddr>ha-v21tmnxjwh2yuy1il-phoenix.bds.9b78df04-b.rds.aliyuncs.com:8765</SlbConnAddr>
        <SlbType>phoenix</SlbType>
      </HaSlbConn>
      <HaSlbConn>
        <HbaseType>Active</HbaseType>
        <SlbConnAddr>ha-v21tmnxjwh2yuy1il-thrift.bds.9b78df04-b.rds.aliyuncs.com:9099</SlbConnAddr>
        <SlbType>thrift</SlbType>
      </HaSlbConn>
    </HaSlbConnList>
  </Cluster>
</ClusterList>
<PageSize>10</PageSize>
```

```
<RequestId>963355AD-A3B1-4654-AFFC-B5186EB8F889</RequestId>
<PageNumber>1</PageNumber>
```

### JSON format

```
{
  "PageNumber":1,
  "TotalCount":1,
  "PageSize":10,
  "RequestId":"963355AD-A3B1-4654-AFFC-B5186EB8F889",
  "ClusterList":{
    "Cluster":[
      {
        "BdsName":"bds-t4n3496whj23ia4k",
        "ActiveName":"hb-t4nn7dy1u1etbzmzm",
        "HaSlbConnList":{
          "HaSlbConn":[
            {
              "SlbConnAddr":"ha-v21tmnxjwh2yuy1il-phoenix.bds.9b78df04-b.rds.aliyuncs.com:8765",
              "HbaseType":"Standby",
              "SlbType":"phoenix"
            },
            {
              "SlbConnAddr":"ha-v21tmnxjwh2yuy1il-thrift.bds.9b78df04-b.rds.aliyuncs.com:9099",
              "HbaseType":"Active",
              "SlbType":"thrift"
            }
          ]
        },
        "HaName":"ha-v21tmnxjwh2yuy1il",
        "StandbyName":"hb-t4n0ye37832tx22vz"
      }
    ]
  }
}
```

### Error codes

For a list of error codes, visit the [API Error Center](#).

## 7.8 SwitchHbaseHaSlb

You can call this operation to implement primary/secondary switchover in highly available Thrift or Phoenix service. For more information about how to create a highly available Thrift or Phoenix service, see [CreateHbaseHaSlb](#).

### Debugging

[OpenAPI Explorer](#) automatically calculates the signature value. For your convenience, we recommend that you call this operation in [OpenAPI Explorer](#). [OpenAPI Explorer](#) dynamically generates the sample code of the operation for different SDKs.

## Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	SwitchHbaseHaSlb	The operation that you want to perform. Set the value to SwitchHbaseHaSlb.
<b>BdsId</b>	String	Yes	bds-t4n3496whj23ia4k	The ID of the BDS cluster.
<b>Hald</b>	String	Yes	ha-v21tmnxjwh2yuy1il	The ID of the high availability service in BDS high availability management.
<b>HaTypes</b>	String	Yes	thrift	The type of the high availability service. Valid values:  thrift  phoenix
<b>HbaseType</b>	String	Yes	Active	Specifies whether to switch to the primary or secondary instance. Valid values:  Active: switches to the primary instance.  Standby: switches to the secondary instance.

## Response parameters

### Examples

#### Sample requests

```
http(s)://[Endpoint]/? Action=SwitchHbaseHaSlb
&BdsId=bds-t4n3496whj23ia4k
&Hald=ha-v21tmnxjwh2yuy1il
&HaTypes=thrift
&HbaseType=Active
```

```
&<Common request parameters>
```

Sample success responses

XML format

```
<RequestId>C9D568D9-A59C-4AF2-8FBB-F086A841D58E</RequestId>
```

JSON format

```
{  
  "RequestId": "C9D568D9-A59C-4AF2-8FBB-F086A841D58E"  
}
```

### Error codes

For a list of error codes, visit the [API Error Center](#).

## 8 Tag management

### 8.1 ListTags

You can call this operation to query all tags in the region.

#### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

#### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	ListTags	The operation that you want to perform. Set the value to ListTags.
<b>RegionId</b>	String	Yes	cn-shanghai	The ID of the region. You can call the DescribeRegions operation to query the most recent region list.

#### Response parameters

Parameter	Type	Example	Description
RequestId	String	36D1BE9B-3C4A-425B-947A-69E3D77999C4	The ID of the request.
Tags	Array		The list of tags.
TagKey	String	k1	The key of the tag.
TagValue	String	v2	The value of the tag.

#### Examples

Sample requests

```
http(s)://[Endpoint]/? Action=ListTags
&RegionId=cn-shanghai
```

**&<Common request parameters>**

## Sample success responses

## XML format

```
<Tags>
  <Tag>
    <TagValue/>
    <TagKey>k1</TagKey>
  </Tag>
  <Tag>
    <TagValue>v1</TagValue>
    <TagKey>k1</TagKey>
  </Tag>
  <Tag>
    <TagValue>v2</TagValue>
    <TagKey>k1</TagKey>
  </Tag>
  <Tag>
    <TagValue>v2</TagValue>
    <TagKey>k2</TagKey>
  </Tag>
  <Tag>
    <TagValue>v3</TagValue>
    <TagKey>k3</TagKey>
  </Tag>
  <Tag>
    <TagValue>single</TagValue>
    <TagKey>type</TagKey>
  </Tag>
</Tags>
<RequestId>36D1BE9B-3C4A-425B-947A-69E3D77999C4</RequestId>
```

## JSON format

```
{
  "Tags": {
    "Tag": [
      {
        "TagValue": "",
        "TagKey": "k1"
      },
      {
        "TagValue": "v1",
        "TagKey": "k1"
      },
      {
        "TagValue": "v2",
        "TagKey": "k1"
      },
      {
        "TagValue": "v2",
        "TagKey": "k2"
      },
      {
        "TagValue": "v3",
        "TagKey": "k3"
      },
      {
        "TagValue": "single",
```



```

    "TagKey": "type"
  }
]
},
"RequestId": "36D1BE9B-3C4A-425B-947A-69E3D77999C4"
}

```

### Error codes

For a list of error codes, visit the [API Error Center](#).

## 8.2 TagResources

You can call this operation to add tags to the instance.

### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	TagResources	The operation that you want to perform. Set the value to TagResources.
<b>RegionId</b>	String	Yes	cn-hangzhou	The ID of the region.
<b>ResourceId.N</b>	RepeatList	Yes	bds- bp15e02262 2fk0w1	The ID of resource N. Set the value to the cluster ID. You can specify multiple resource IDs. You can specify the parameter name in the format of ResourceId.2, ResourceId.3, ... This operation can add tags to all specified resources. N is a positive integer.
<b>Tag.N.Key</b>	String	No	key1	The key of tag N. N is a positive integer.
<b>Tag.N.Value</b>	String	No	value1	The value of tag N.

## Response parameters

Parameter	Type	Example	Description
RequestId	String	2656FA19-6059-40C8-A157-3FFBEAEC2369	

## Examples

### Sample requests

```
http(s)://[Endpoint]/? Action=TagResources
&RegionId=cn-hangzhou
&ResourceId.1=bds-bp15e022622fk0w1&ResourceId.2=bds-bp15e022622fk0w1&Tag.1.
Key=key1&Tag.1.Value=value1
&<Common request parameters>
```

### Sample success responses

#### XML format

```
<RequestId>9CBF8DF0-4931-4A54-9B60-4C6E1AB59286</RequestId>
```

#### JSON format

```
{
  "RequestId": "9CBF8DF0-4931-4A54-9B60-4C6E1AB59286"
}
```

## Error codes

For a list of error codes, visit the [API Error Center](#).

## 8.3 ListTagResources

You can call this operation to query the tag list by specifying the resource ID or tag key.

Either the resource ID or the tag key must be specified. Otherwise, an error is returned.

### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

## Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	ListTagResources	The operation that you want to perform. Set the value to ListTagResources.
<b>RegionId</b>	String	Yes	cn-hangzhou	The ID of the region.
<b>ResourceId.N</b>	RepeatList	No	bds-bp15e022622fk0w1	The ID of resource N. Set the value to the cluster ID. You can query the tags of multiple resources. You can specify the parameter name in the format of ResourceId.2, ResourceId.3, ... N is a positive integer.
<b>Tag.N.Key</b>	String	No	key1	The key of the tag that you want to query. You can specify multiple tag keys. N is a positive integer.
<b>Tag.N.Value</b>	String	No	value1	The value of the tag that you want to query. You can specify multiple values. N is a positive integer.
<b>NextToken</b>	String	No	NextToken	The token used to query the next page. You can use the NextToken parameter to query the next page.

## Response parameters

Parameter	Type	Example	Description
RequestId	String	74F02441-9A8D-48F6-933F-E317AEB28DBF	The ID of the request.

Parameter	Type	Example	Description
NextToken	String	1d2db86sca 4384811e0b 5e8707e68181f	The token used to query the next page . If the NextToken parameter is empty, all data entries are returned.
TagResources	Array		The list of tag resources. For more information, see TagResources.
TagKey	String	k1	The key of the tag.
TagValue	String	v2	The value of the tag.
ResourceType	String	ALIYUN:: MULTIMOD:: CLUSTER	The type of the resource.
ResourceId	String	bds-bp15e02262 2fk0w1	The ID of the resource.

## Examples

### Sample requests

```
http(s)://[Endpoint]/? Action=ListTagResources
&RegionId=cn-hangzhou
&<Common request parameters>
```

### Sample success responses

#### XML format

```
<TagResources>
  <TagResource>
    <ResourceType>ALIYUN::MULTIMOD::CLUSTER</ResourceType>
    <TagValue>v2</TagValue>
    <ResourceId>bds-bp15e022622fk0w1</ResourceId>
    <TagKey>k1</TagKey>
  </TagResource>
  <TagResource>
    <ResourceType>ALIYUN::MULTIMOD::CLUSTER</ResourceType>
    <TagValue>value2</TagValue>
    <ResourceId>bds-bp15e022622fk0w1</ResourceId>
    <TagKey>key1</TagKey>
  </TagResource>
</TagResources>
<RequestId>74F02441-9A8D-48F6-933F-E317AEB28DBF</RequestId>
```

#### JSON format

```
{
```

```

"TagResources": {
  "TagResource": [
    {
      "ResourceType": "ALIYUN::MULTIMOD::CLUSTER",
      "TagValue": "v2",
      "ResourceId": "bds-bp15e022622fk0w1",
      "TagKey": "k1"
    },
    {
      "ResourceType": "ALIYUN::MULTIMOD::CLUSTER",
      "TagValue": "value2",
      "ResourceId": "bds-bp15e022622fk0w1",
      "TagKey": "key1"
    }
  ]
},
"RequestId": "74F02441-9A8D-48F6-933F-E317AEB28DBF"
}

```

### Error codes

For a list of error codes, visit the [API Error Center](#).

## 8.4 UnTagResources

You can call this operation to remove a tag from a specified resource. For more information about how to add a tag, see TagResources.

### Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

### Request parameters

Parameter	Type	Required	Example	Description
<b>Action</b>	String	Yes	UnTagResources	The operation that you want to perform. Set the value to UnTagResources.
<b>RegionId</b>	String	Yes	cn-hangzhou	The ID of the region.

Parameter	Type	Required	Example	Description
<b>ResourceId.N</b>	RepeatList	Yes	bds- bp15e02262 2fk0w1	The ID of resource N whose tags are to be deleted. Set the value to the cluster ID. You can specify multiple resource IDs. You can specify the parameter names in the format of ResourceId.2, ResourceId.3, ... N is a positive integer.
<b>TagKey.N</b>	RepeatList	No	key1	The key of tag N to be deleted. You can specify multiple tag keys . You can specify the parameter names in the format of TagKey .2, TagKey.3, ... N is a positive integer.
<b>All</b>	Boolean	No	true	Specifies whether to delete all tags. If the TagKey parameter is specified, all tags related to the specified tag key are deleted . Valid values: true and false. If the parameter is true and the TagKey parameter is not specified , it indicates to delete all tags.

### Response parameters

Parameter	Type	Example	Description
RequestId	String	9CBF8DF0-4931 -4A54-9B60- 4C6E1AB59286	The ID of the request.

### Examples

Sample requests

```
http(s)://[Endpoint]/? Action=UnTagResources
&RegionId=cn-hangzhou
```

```
&ResourceId.1=bds-bp15e022622fk0w1&TagKey.1=key1  
&<Common request parameters>
```

Sample success responses

XML format

```
<RequestId>9CBF8DF0-4931-4A54-9B60-4C6E1AB59286</RequestId>
```

JSON format

```
{  
  "RequestId": "9CBF8DF0-4931-4A54-9B60-4C6E1AB59286"  
}
```

### Error codes

For a list of error codes, visit the [API Error Center](#).