

Alibaba Cloud ApsaraDB for Cassandra

OpenAPI reference

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Document conventions

Style	Description	Example
	A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	 Danger: 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.	 Warning: 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.	 Notice: 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.	 Note: You can use Ctrl + A to select all files.
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click Settings > Network > Set network type.
Bold	Bold formatting is used for buttons, menus, page names, and other UI elements.	Click OK.
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}

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1 Manage ApsaraDB for MongoDB instances

1.1 CreateCluster


You can call this operation to create a Cassandra 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
Action	String	Yes	CreateCluster	The operation that you want to perform. Set the value to CreateCluster.
ClientToken	String	Yes	ETnLKlblzc zshOTUbOCz xxxxxxxxxx	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 ensure that it is unique among different requests. The value is case-sensitive and can be up to 64 ASCII characters in length.
DiskSize	Integer	Yes	160	The size of the disk per node. Unit : GB.
DiskType	String	Yes	cloud_ssd	The type of the disk. Valid values: <ul style="list-style-type: none">cloud_ssd: standard SSDcloud_essd: enhanced SSD (ESSD)cloud_efficiency: ultra disklocal_ssd_pro: local SSD

Parameter	Type	Required	Example	Description
InstanceType	String	Yes	cassandra.c.xlarge	The instance type. Examples of valid values: <ul style="list-style-type: none"> cassandra.c.large: 2 cores, 4 GB cassandra.c.xlarge: 4 cores, 8 GB cassandra.c.2xlarge: 8 cores, 16 GB
MajorVersion	String	Yes	3.11	The major version number.
NodeCount	Integer	Yes	3	The number of nodes.
PayType	String	Yes	Subscription	The billing method. Valid values: <ul style="list-style-type: none"> Subscription PayAsYouGo <div style="background-color: #f0f0f0; padding: 5px; border: 1px solid #ccc;">  Note: Pay-as-you-go instances never expire. </div>
RegionId	String	Yes	cn-hangzhou	The region ID of the instance. You can call the DescribeRegions operation to query the most recent region list.
VpcId	String	Yes	vpc-bp1oxxxxxx xxxxgzv26cd	The ID of the VPC.
VswitchId	String	Yes	vsw-oqscxxxxxx xxxxxxx5e8c	The ID of the VSwitch.
ZoneId	String	Yes	cn-hangzhou-h	The ID of the zone in which the instance is created. You can call the DescribeRegions operation to query the most recent zone list.

Parameter	Type	Required	Example	Description
PeriodUnit	String	No	Year	<p>The unit of the subscription period. Valid values:</p> <ul style="list-style-type: none"> • Year • Month <div style="background-color: #f0f0f0; padding: 5px;">  Note: You must specify this parameter if the billing method is Subscription. </div>
Period	Integer	No	12	<p>The subscription period. You must specify this parameter if the value of the PayType parameter is Subscription. Unit: months. Valid values: 1, 2, 3, 4, 5, 6, 7, 8, 9, 12, 24, and 36.</p> <div style="background-color: #f0f0f0; padding: 5px;">  Note: This parameter is invalid if the billing method is PayAsYouGo. </div>
AutoRenew	Boolean	No	true	<p>Specifies whether to enable auto renewal. Valid values:</p> <ul style="list-style-type: none"> • true • false <p>Default value: false</p>

Parameter	Type	Required	Example	Description
AutoRenewPeriod	Integer	No	3	<p>The period of the auto renewal. Unit: months. Valid values:</p> <ul style="list-style-type: none"> • 1 • 2 • 3 • 6 • 12 <p>This parameter is required when the AutoRenew parameter is set to true.</p>
ClusterName	String	No	apitest	<p>The name of the cluster.</p> <p>The name must be 2 to 128 characters in length and can contain letters, digits, periods (.), underscores (_), and hyphens (-). It must start with a letter.</p>
DataCenterName	String	No	apitest	<p>The name of the cluster data center.</p>
Password	String	No	Alibaba****!@#	<p>The Password.</p> <p>The password must be 8 to 32 characters in length. The password must contain at least three of the following character types: uppercase letters, lowercase letters, digits, and special characters. Special characters include ! @ # \$ % ^ & * () _ + - =</p>

Response parameters

Parameter	Type	Example	Description
ClusterId	String	cds-bp1hy2ip****z46g	The ID of the instance.
RequestId	String	3E19E345-101D-4014-946C-A2055AEE1F26	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=CreateCluster
&ClientToken=ETnLklblzczshOTUbOCzxxxxxxxxxxx
&DiskSize=160
&DiskType=cloud_ssd
&InstanceType=hbase.n2.4xlarge
&MajorVersion=3.11
&NodeCount=3
&PayType=Subscription
&RegionId=cn-hangzhou
&VpcId=vpc-bp1xxxxxxxxxxxgzv26cd
&VswitchId=vsw-oqscxxxxxxxxxxxxx5e8c
&ZoneId=cn-hangzhou-h
&<Common request parameters>
```

Sample success responses

XML format

```
<CreateClusterResponse>
  <ClusterId>hb-bp16o0pd5****582s</ClusterId>
  <RequestId>728C7EAF-4844-4D42-9BBE-DFFFBB77CF33</RequestId>
</CreateClusterResponse>
```

JSON format

```
{
  "ClusterId": "hb-bp16o0pd5****582s",
  "RequestId": "728C7EAF-4844-4D42-9BBE-DFFFBB77CF33"
}
```

Error codes

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

1.2 CreateDataCenter


You can call this operation to create a data center (a group of nodes) for 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
Action	String	Yes	CreateDataCenter	The operation that you want to perform. Set the value to CreateDataCenter.
ClientToken	String	Yes	ETnLklblzc zshOTUboC*** ioIUBoiB	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 ensure that it is unique among different requests. The value is case-sensitive and can be up to 64 ASCII characters in length.
ClusterId	String	Yes	cds-bp113rmn ****2uy9	The ID of the cluster.
DiskSize	Integer	Yes	160	The size of the disk per node. Unit : GB.
DiskType	String	Yes	cloud_ssd	The type of the disk. Valid values: <ul style="list-style-type: none"> cloud_ssd: standard SSD cloud_essd: enhanced SSD (ESSD) cloud_efficiency: ultra disk local_ssd_pro: local SSD

Parameter	Type	Required	Example	Description
InstanceType	String	Yes	cassandra.c.large	The instance type. Examples of valid values: <ul style="list-style-type: none"> cassandra.c.large: 2 cores, 4 GB Gcassandra.c.xlarge: 4 cores, 8 GB cassandra.c.2xlarge: 8 cores, 16 GB
NodeCount	Integer	Yes	2	The number of nodes.
PayType	String	Yes	Subscription	The billing method. Valid values: <ul style="list-style-type: none"> Subscription PayAsYouGo <div style="background-color: #f0f0f0; padding: 5px; border: 1px solid #ccc;">  Note: Pay-as-you-go instances never expire. </div>
RegionId	String	Yes	cn-hangzhou	The region ID of the instance. You can call the DescribeRegions operation to query the most recent region list.
VpcId	String	Yes	vpc-bp1oxxxxxx xxxxgzv26cf	The ID of the VPC.
VswitchId	String	Yes	vsw-oqscxxxxxx xxxxxxx5e8c	The ID of the VSwitch.
ZoneId	String	Yes	cn-hangzhou-h	The zone ID of the instance. You can call the DescribeRegions operation to query the most recent zone list.

Parameter	Type	Required	Example	Description
PeriodUnit	String	No	Year	<p>The unit of the subscription period. Valid values:</p> <ul style="list-style-type: none"> • Year • Month <div style="background-color: #f0f0f0; padding: 5px;">  Note: You must specify this parameter if the billing method is Subscription. </div>
Period	Integer	No	12	<p>The subscription period. You must specify this parameter if the value of the PayType parameter is Subscription. Unit: months. Valid values: 1, 2, 3, 4, 5, 6, 7, 8, 9, 12, 24, and 36.</p> <div style="background-color: #f0f0f0; padding: 5px;">  Note: This parameter is invalid if the billing method is PayAsYouGo. </div>
AutoRenew	Boolean	No	true	<p>Specifies whether to enable auto renewal. Valid values:</p> <ul style="list-style-type: none"> • true • false <p>Default value: false</p>

Parameter	Type	Required	Example	Description
AutoRenewPeriod	Integer	No	12	The period of the auto renewal. Unit: months. Valid values: <ul style="list-style-type: none"> • 1 • 2 • 3 • 6 • 12 <div style="border: 1px solid #ccc; background-color: #f9f9f9; padding: 5px; margin-top: 10px;">  Note: This parameter is required when the AutoRenew parameter is set to true. </div>
DataCenterName	String	No	apitest	The name of the cluster data center.

Response parameters

Parameter	Type	Example	Description
DataCenterId	String	cn-hangzhou-g	The ID of the data center in the cluster.
RequestId	String	3E19E345-101D-4014-946C-A2055AEE1F26	The ID of the request.

Examples

Sample requests

```

http(s)://[Endpoint]/? Action=CreateDataCenter
&ClientToken=ETnLklblczshOTUboC***ioIUBoiB
&ClusterId=cds-bp113rmn****2uy9
&DiskSize=160
&DiskType=cloud_ssd
&InstanceType=cassandra.c.large
&NodeCount=2
&PayType=Subscription
&RegionId=cn-hangzhou
&VpcId=vpc-bp1oxxxxxxxxxgzv26cf
&VswitchId=vsw-oqscxxxxxxxxxxxx5e8c
&ZoneId=cn-hangzhou-h
    
```

&<Common request parameters>

Sample success responses

XML format

```
<CreateDataCenterResponse>
  <DataCenterId>cn-hangzhou-g</DataCenterId>
  <RequestId>728C7EAF-4844-4D42-9BBE-DFFFBB77CF33</RequestId>
</CreateDataCenterResponse>
```

JSON format

```
{
  "DataCenterId": "cn-hangzhou-g",
  "RequestId": "728C7EAF-4844-4D42-9BBE-DFFFBB77CF33"
}
```

Error codes

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

1.3 DeleteCluster

You can call this operation to delete a cluster with a specified 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
Action	String	Yes	DeleteCluster	The operation that you want to perform. Set the value to DeleteCluster.
ClusterId	String	Yes	cds-bp1hy2ipk****46k	The ID of the cluster.

Response parameters

Parameter	Type	Example	Description
RequestId	String	EC9C10D0-B12F-41B0-A237-968848BBC167	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DeleteCluster
&ClusterId=cds-bp1hy2ipk****46k
&<Common request parameters>
```

Sample success responses

XML format

```
<DeleteClusterResponse>
  <RequestId>EC9C10D0-B12F-41B0-A237-968848BBC167</RequestId>
</DeleteClusterResponse>
```

JSON format

```
{
  "RequestId": "EC9C10D0-B12F-41B0-A237-968848BBC167"
}
```

Error codes

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

1.4 DescribeCluster

You can call this operation to query the details of a Cassandra 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
Action	String	Yes	DescribeCluster	The operation that you want to perform. Set the value to DescribeCluster.
ClusterId	String	Yes	cds-bp1b136j****5d58	The ID of the cluster.

Response parameters

Parameter	Type	Example	Description
Cluster	Struct		The list of cluster information.
ClusterId	String	cds-bp1b136j****5d56	The ID of the cluster.
ClusterName	String	Cassandra-test	The name of the cluster. The name must be 2 to 128 characters in length, and can contain letters, digits, periods (.), underscores (_), and hyphens (-). It must start with a letter.
CreatedTime	String	2019-09-20T16:02:34Z	The time when the cluster was created . The time follows the ISO 8601 standard in the yyyy-MM-ddThh:mm:ssZ format. The time is displayed in UTC and denoted by Z.
DataCenter Count	Integer	1	The number of data centers.
ExpireTime	String	2019-10-20T16:02:34Z	The expiration time of the cluster. The time follows the ISO 8601 standard in the yyyy-MM-ddThh:mm:ssZ format . The time is displayed in UTC and denoted by Z.

Parameter	Type	Example	Description
IsLatestVersion	Boolean	true	Indicates whether the current minor version is the latest.
LockMode	String	None	The lock mode of the cluster. Valid values: <ul style="list-style-type: none"> None: The cluster is not locked. Expired: The cluster is locked upon expiration of subscription. DiskFull: The cluster is locked because the disk is full.
MaintainEndTime	String	4:00Z	The end time of the maintenance window of the instance. The time is in the HH:mmZ format, displayed in UTC and denoted by Z.
MaintainStartTime	String	2:00Z	The start time of the maintenance window of the instance. The time is in the HH:mmZ format, displayed in UTC and denoted by Z.
MajorVersion	String	3.11	The major version number of the cluster.
MinorVersion	String	3.11.7	The minor version number of the cluster.
PayType	String	PayAsYouGo	The billing method. Valid values: <ul style="list-style-type: none"> Subscription PayAsYouGo <div style="background-color: #f0f0f0; padding: 5px; margin-top: 10px;">  Note: Pay-as-you-go clusters never expire. </div>

Parameter	Type	Example	Description
Status	String	Running	The running status of the cluster. Valid values: <ul style="list-style-type: none"> • Creating • CreateFailed • Running • Deleting • DeleteFailed • Deleted
Tags	Array		The tag.
Tag			
Key	String	test-key	The tag key.
Value	String	test-value	The tag value.
RequestId	String	17E2B462-5FD3-4A0C-AF13-225C66E47BD5	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeCluster
&ClusterId=cds-bp1b136j****5d58
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeClusterResponse>
  <RequestId>E42FA994-8629-4BFE-A796-8FC512775306</RequestId>
  <Cluster>
    <MajorVersion>3.11</MajorVersion>
    <Status>Running</Status>
    <CreateTime>2020-02-26T01:29:03Z</CreateTime>
    <ClusterId>cds-bp11tjzh****o87v</ClusterId>
    <MinorVersion>3.11.9</MinorVersion>
    <LockMode>None</LockMode>
    <PayType>Subscription</PayType>
    <IsLatestVersion>true</IsLatestVersion>
    <MaintainEndTime>22:00Z</MaintainEndTime>
    <DataCenterCount>1</DataCenterCount>
    <ClusterName>hz_test_jy</ClusterName>
    <ExpireTime>2020-04-11T00:00:00Z</ExpireTime>
```



```
<MaintainStartTime>18:00Z</MaintainStartTime>
</Cluster>
</DescribeClusterResponse>
```

JSON format

```
{
  "RequestId": "E42FA994-8629-4BFE-A796-8FC512775306",
  "Cluster": {
    "MajorVersion": "3.11",
    "Status": "Running",
    "CreatedTime": "2020-02-26T01:29:03Z",
    "ClusterId": "cde-bp11tjzh****o87v",
    "MinorVersion": "3.11.9",
    "LockMode": "None",
    "PayType": "Subscription",
    "IsLatestVersion": true,
    "MaintainEndTime": "22:00Z",
    "DataCenterCount": 1,
    "ClusterName": "hz_test_jy",
    "ExpireTime": "2020-04-11T00:00:00Z",
    "MaintainStartTime": "18:00Z"
  }
}
```

Error codes

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

1.5 DescribeClusters

You can call this operation to query all clusters in a specified 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
Action	String	Yes	DescribeClusters	The operation that you want to perform. Set the value to DescribeClusters.
RegionId	String	No	cn-hangzhou	The ID of the region. Example: cn-hangzhou.

Parameter	Type	Required	Example	Description
PageNumber	Integer	No	1	The number of the page to return . Valid values: any non-zero positive integer. Default value: 1
PageSize	Integer	No	20	The number of entries to return on each page.
Tag.N.Key	String	No	key	The key of custom tag N.
Tag.N.Value	String	No	value	The value of custom tag N.
ClusterName	String	No	test	The name of the cluster.

Response parameters

Parameter	Type	Example	Description
Clusters	Array		The list of entries returned.
Cluster			
ClusterId	String	cds-bp1e4e32****z75c	The ID of the cluster.
ClusterName	String	Cassandra-test	The name of the cluster.
CreatedTime	String	2019-09-20T16:02:34Z	The time when the cluster was created . The time follows the ISO 8601 standard in the yyyy-MM-ddThh:mm:ssZ format. The time is displayed in UTC and denoted by Z.
DataCenter Count	Integer	1	The number of data centers.

Parameter	Type	Example	Description
ExpireTime	String	2019-10-20T16:02:34Z	The expiration time of the cluster. The time follows the ISO 8601 standard in the yyyy-MM-ddThh:mm:ssZ format . The time is displayed in UTC and denoted by Z.
LockMode	String	None	The lock mode. Valid values: <ul style="list-style-type: none"> None: The cluster is not locked. Expired: The cluster is locked upon expiration of subscription. DiskFull: The cluster is locked because the disk is full.
MajorVersion	String	3.11	The major version number.
MinorVersion	String	3.11.5	The minor version number.
PayType	String	PayAsYouGo	The billing method. Valid values: <ul style="list-style-type: none"> Subscription PayAsYouGo <div style="background-color: #f0f0f0; padding: 5px; margin-top: 10px;">  Note: Pay-as-you-go clusters never expire. </div>
Status	String	Running	The running status of the cluster. Valid values: <ul style="list-style-type: none"> Creating CreateFailed Running Deleting DeleteFailed Deleted
Tags	Array		The tag.
Tag			
Key	String	test-key	The tag key.

Parameter	Type	Example	Description
Value	String	test-value	The tag value.
PageNumber	Integer	1	The page number of the returned page. Valid values: any non-zero positive integer. Default value: 1
PageSize	Integer	10	The number of entries returned per page.
RequestId	String	4EA95B55-58AB-469E-BD8E-5B1F9EEB1683	The ID of the request.
TotalCount	Long	3	The total number of clusters returned.

Examples

Sample requests

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

Sample success responses

XML format

```
<DescribeClustersResponse>
  <TotalCount>5</TotalCount>
  <PageSize>10</PageSize>
  <RequestId>3FAD819C-5D1C-4E20-BBCE-7E946F6FA196</RequestId>
  <PageNumber>1</PageNumber>
  <Clusters>
    <Cluster>
      <Status>Running</Status>
      <MajorVersion>3.11</MajorVersion>
      <CreatedTime>2020-02-26T01:29:03Z</CreatedTime>
      <ClusterId>cds-bp11tjzh****o87v</ClusterId>
      <DataCenterCount>1</DataCenterCount>
      <ClusterName>hz_test_jy</ClusterName>
      <MinorVersion>3.11.9</MinorVersion>
      <PayType>PayAsYouGo</PayType>
      <LockMode>None</LockMode>
    </Cluster>
    <Cluster>
      <Status>Running</Status>
      <MajorVersion>3.11</MajorVersion>
      <CreatedTime>2020-02-21T10:29:45Z</CreatedTime>
      <ClusterId>cds-bp1syjlt****q976</ClusterId>
```

```

    <DataCenterCount>1</DataCenterCount>
    <ClusterName>test</ClusterName>
    <MinorVersion>3.11.9</MinorVersion>
    <PayType>Subscription</PayType>
    <LockMode>None</LockMode>
    <ExpireTime>2020-03-22T00:00:00Z</ExpireTime>
  </Cluster>
  <Cluster>
    <Status>Running</Status>
    <MajorVersion>3.11</MajorVersion>
    <CreatedTime>2020-01-17T22:09:16Z</CreatedTime>
    <ClusterId>cds-bp1u7146****udz2</ClusterId>
    <DataCenterCount>2</DataCenterCount>
    <ClusterName>cassandra_test_hz</ClusterName>
    <MinorVersion>3.11.8</MinorVersion>
    <PayType>PayAsYouGo</PayType>
    <LockMode>None</LockMode>
  </Cluster>
  <Cluster>
    <Status>Running</Status>
    <MajorVersion>3.11</MajorVersion>
    <CreatedTime>2020-01-08T10:37:21Z</CreatedTime>
    <ClusterId>cds-bp1j837b****vqrk</ClusterId>
    <DataCenterCount>1</DataCenterCount>
    <ClusterName>baitu-pre</ClusterName>
    <MinorVersion>3.11.7</MinorVersion>
    <PayType>PayAsYouGo</PayType>
    <LockMode>None</LockMode>
  </Cluster>
  <Cluster>
    <Status>Running</Status>
    <MajorVersion>3.11</MajorVersion>
    <CreatedTime>2019-12-27T10:47:55Z</CreatedTime>
    <ClusterId>cds-bp192wu9****u8au</ClusterId>
    <DataCenterCount>1</DataCenterCount>
    <ClusterName>ghj</ClusterName>
    <MinorVersion>3.11.7</MinorVersion>
    <PayType>Subscription</PayType>
    <LockMode>None</LockMode>
    <ExpireTime>2020-04-10T00:00:00Z</ExpireTime>
  </Cluster>
</Clusters>
</DescribeClustersResponse>

```

JSON format

```

{
  "TotalCount": 5,
  "PageSize": 10,
  "RequestId": "3FAD819C-5D1C-4E20-BBCE-7E946F6FA196",
  "PageNumber": 1,
  "Clusters": {
    "Cluster": [
      {
        "Status": "Running",
        "MajorVersion": "3.11",
        "CreatedTime": "2020-02-26T01:29:03Z",
        "ClusterId": "cds-bp11tjzh****o87v",
        "DataCenterCount": 1,
        "ClusterName": "hz_test_jy",
        "MinorVersion": "3.11.9",
        "PayType": "PayAsYouGo",
        "LockMode": "None"
      }
    ]
  }
}

```

```

},
{
  "Status": "Running",
  "MajorVersion": "3.11",
  "CreatedTime": "2020-02-21T10:29:45Z",
  "ClusterId": "cds-bp1syjlt****q976",
  "DataCenterCount": 1,
  "ClusterName": "test",
  "MinorVersion": "3.11.9",
  "PayType": "Subscription",
  "LockMode": "None",
  "ExpireTime": "2020-03-22T00:00:00Z"
},
{
  "Status": "Running",
  "MajorVersion": "3.11",
  "CreatedTime": "2020-01-17T22:09:16Z",
  "ClusterId": "cds-bp1u7146****udz2",
  "DataCenterCount": 2,
  "ClusterName": "cassandra_test_hz",
  "MinorVersion": "3.11.8",
  "PayType": "PayAsYouGo",
  "LockMode": "None"
},
{
  "Status": "Running",
  "MajorVersion": "3.11",
  "CreatedTime": "2020-01-08T10:37:21Z",
  "ClusterId": "cds-bp1j837b****vqrk",
  "DataCenterCount": 1,
  "ClusterName": "baitu-pre",
  "MinorVersion": "3.11.7",
  "PayType": "PayAsYouGo",
  "LockMode": "None"
},
{
  "Status": "Running",
  "MajorVersion": "3.11",
  "CreatedTime": "2019-12-27T10:47:55Z",
  "ClusterId": "cds-bp192wu9****u8au",
  "DataCenterCount": 1,
  "ClusterName": "ghj",
  "MinorVersion": "3.11.7",
  "PayType": "Subscription",
  "LockMode": "None",
  "ExpireTime": "2020-04-10T00:00:00Z"
}
]
}
}

```

Error codes

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

1.6 DescribeClusterStatus

You can call this operation to query the running status of 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
Action	String	Yes	DescribeClusterStatus	The operation that you want to perform. Set the value to DescribeClusterStatus.
ClusterId	String	Yes	cds-bp1b136j****5d59	The ID of the cluster.

Response parameters

Parameter	Type	Example	Description
CreatedTime	String	2020-02-26T01:30:40Z	The time when the cluster was created. The time follows the ISO 8601 standard in the yyyy-MM-ddThh:mm:ssZ format. The time is displayed in UTC and denoted by Z.
RequestId	String	3AC5F451-8B0F-47B4-9733-4A09C8838AD4	The ID of the request.
Status	String	Running	The running status of the cluster. Valid values: <ul style="list-style-type: none"> Creating CreateFailed Running Deleting DeleteFailed Deleted

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeClusterStatus
&ClusterId=cds-bp1b136j****5d59
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeClusterStatusResponse>
  <Status>Running</Status>
  <CreatedTime>2020-02-26T01:30:40Z</CreatedTime>
  <RequestId>BEEDFA38-213F-4DF8-810D-702DFF5FF2A6</RequestId>
</DescribeClusterStatusResponse>
```

JSON format

```
{
  "Status": "Running",
  "CreatedTime": "2020-02-26T01:30:40Z",
  "RequestId": "BEEDFA38-213F-4DF8-810D-702DFF5FF2A6"
}
```

Error codes

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

1.7 DescribeDeletedClusters

You can call this operation to query the clusters that have been deleted.

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
Action	String	Yes	DescribeDeletedClusters	The operation that you want to perform. Set the value to DescribeDeletedClusters.

Parameter	Type	Required	Example	Description
RegionId	String	No	cn-hangzhou	The region ID of the instance. You can call the DescribeRegions operation to query the most recent region list.
PageNumber	Integer	No	1	The number of the page to return . Valid values: any non-zero positive integer. Default value: 1
PageSize	Integer	No	20	The number of entries to return on each page.

Response parameters

Parameter	Type	Example	Description
Clusters	Array		The list of clusters that have been deleted.
Cluster			
ClusterId	String	cds-bp1hy2ip****z46g	The ID of the cluster.
ClusterName	String	Cassandra-test-wjk	The name of the cluster.
CreatedTime	String	2019-10-09T14:59:31Z	The time when the cluster was created . The time follows the ISO 8601 standard in the yyyy-MM-ddThh:mm:ssZ format. The time is displayed in UTC and denoted by Z.
DataCenter Count	Integer	1	The number of cluster data center.

Parameter	Type	Example	Description
ExpireTime	String	2019-10-09T20:29:27Z	The expiration time of the cluster. The time follows the ISO 8601 standard in the yyyy-MM-ddThh:mm:ssZ format . The time is displayed in UTC and denoted by Z.
MajorVersion	String	3.11	The major version number of the cluster.
MinorVersion	String	3.11.5	The minor version number of the cluster.
PayType	String	PayAsYouGo	The billing method. Valid values: <ul style="list-style-type: none"> Subscription PayAsYouGo <div style="background-color: #f0f0f0; padding: 5px; margin-top: 10px;">  Note: Pay-as-you-go clusters never expire. </div>
Status	String	Deleted	The running status of the cluster. Valid values: <ul style="list-style-type: none"> Creating CreateFailed Running Deleting DeleteFailed Deleted
PageNumber	Integer	1	The page number of the returned page. Valid values: any non-zero positive integer. Default value: 1
PageSize	Integer	10	The number of entries returned per page.

Parameter	Type	Example	Description
RequestId	String	018F3C6E-2F9F-4181-8602-4AB4FB86F4ED	The ID of the request.
TotalCount	Long	3	The total number of clusters returned.

Examples

Sample requests

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

Sample success responses

XML format

```
<DescribeDeletedClustersResponse>
  <PageNumber>1</PageNumber>
  <TotalCount>3</TotalCount>
  <Clusters>
    <Cluster>
      <Status>Deleted</Status>
      <CreatedTime>2019-10-09T14:59:31Z</CreatedTime>
      <MinorVersion>3.11.5</MinorVersion>
      <ClusterName>Cassandra-test-wjk</ClusterName>
      <ClusterId>cds-bp1hy2ip****z46g</ClusterId>
      <ExpireTime>2019-10-09T20:29:27Z</ExpireTime>
      <DataCenterCount>1</DataCenterCount>
      <PayType>PayAsYouGo</PayType>
      <MajorVersion>3.11</MajorVersion>
    </Cluster>
    <Cluster>
      <Status>Deleted</Status>
      <CreatedTime>2019-09-24T20:37:17Z</CreatedTime>
      <MinorVersion>3.11.5</MinorVersion>
      <ClusterName>baitu-resize-disk-size</ClusterName>
      <ClusterId>cds-bp1354yf****35bw</ClusterId>
      <ExpireTime>2019-10-08T20:16:22Z</ExpireTime>
      <DataCenterCount>1</DataCenterCount>
      <PayType>PayAsYouGo</PayType>
      <MajorVersion>3.11</MajorVersion>
    </Cluster>
    <Cluster>
      <Status>Deleted</Status>
      <CreatedTime>2019-09-23T11:45:48Z</CreatedTime>
      <MinorVersion>3.11.5</MinorVersion>
      <ClusterName>baitu-4c16gaaa</ClusterName>
      <ClusterId>cds-bp1ia8ui****8dle</ClusterId>
      <ExpireTime>2019-10-08T20:16:19Z</ExpireTime>
      <DataCenterCount>1</DataCenterCount>
      <PayType>PayAsYouGo</PayType>
      <MajorVersion>3.11</MajorVersion>
    </Cluster>
  </Clusters>
  <PageSize>10</PageSize>
```

```
<RequestId>018F3C6E-2F9F-4181-8602-4AB4FB86F4ED</RequestId>
</DescribeDeletedClustersResponse>
```

JSON format

```
{
  "PageNumber": 1,
  "TotalCount": 3,
  "Clusters": {
    "Cluster": [
      {
        "Status": "Deleted",
        "CreatedTime": "2019-10-09T14:59:31Z",
        "MinorVersion": "3.11.5",
        "ClusterName": "Cassandra-test-wjk",
        "ClusterId": "cds-bp1hy2ip****z46g",
        "ExpireTime": "2019-10-09T20:29:27Z",
        "DataCenterCount": 1,
        "PayType": "PayAsYouGo",
        "MajorVersion": "3.11"
      },
      {
        "Status": "Deleted",
        "CreatedTime": "2019-09-24T20:37:17Z",
        "MinorVersion": "3.11.5",
        "ClusterName": "baitu-resize-disk-size",
        "ClusterId": "cds-bp1354yf****35bw",
        "ExpireTime": "2019-10-08T20:16:22Z",
        "DataCenterCount": 1,
        "PayType": "PayAsYouGo",
        "MajorVersion": "3.11"
      },
      {
        "Status": "Deleted",
        "CreatedTime": "2019-09-23T11:45:48Z",
        "MinorVersion": "3.11.5",
        "ClusterName": "baitu-4c16gaaa",
        "ClusterId": "cds-bp1ia8ui****8dle",
        "ExpireTime": "2019-10-08T20:16:19Z",
        "DataCenterCount": 1,
        "PayType": "PayAsYouGo",
        "MajorVersion": "3.11"
      }
    ]
  },
  "PageSize": 10,
  "RequestId": "018F3C6E-2F9F-4181-8602-4AB4FB86F4ED"
}
```

Error codes

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

1.8 DescribeInstanceType

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

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
Action	String	Yes	DescribeInstanceType	The operation that you want to perform. Set the value to DescribeInstanceType.
InstanceType	String	Yes	cassandra.c.2xlarge	<p>Examples of valid values:</p> <ul style="list-style-type: none"> cassandra.c.large: 2 cores, 4 GB cassandra.c.xlarge: 4 cores, 8 GB cassandra.c.2xlarge: 8 cores, 16 GB <p>If this parameter is not specified, the list of all instance types is returned.</p>

Response parameters

Parameter	Type	Example	Description
InstanceTypeSpecList	Array		The list of instance types.
InstanceTypeSpec			
CpuSize	Long	4	The number of vCPUs.

Parameter	Type	Example	Description
InstanceType	String	cassandra.c.large	The instance type. Examples of valid values: <ul style="list-style-type: none"> cassandra.c.large: 2 cores, 4 GB cassandra.c.xlarge: 4 cores, 8 GB cassandra.c.2xlarge: 8 cores, 16 GB
MemSize	Long	8	The memory size. Unit: GB.
RequestId	String	4B989A12-FB9A-4D9A-A824-2E9267C911C7	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeInstanceType
&InstanceType=cassandra.c5.xlarge
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeInstanceTypeResponse>
  <RequestId>4B989A12-FB9A-4D9A-A824-2E9267C911C7</RequestId>
  <InstanceTypeSpecList>
    <InstanceTypeSpec>
      <CpuSize>4</CpuSize>
      <MemSize>16</MemSize>
      <InstanceType>cassandra.c.large</InstanceType>
    </InstanceTypeSpec>
    <InstanceTypeSpec>
      <CpuSize>4</CpuSize>
      <MemSize>32</MemSize>
      <InstanceType>cassandra.c.large</InstanceType>
    </InstanceTypeSpec>
    <InstanceTypeSpec>
      <CpuSize>4</CpuSize>
      <MemSize>8</MemSize>
      <InstanceType>cassandra.c.large</InstanceType>
    </InstanceTypeSpec>
    <InstanceTypeSpec>
      <CpuSize>8</CpuSize>
      <MemSize>16</MemSize>
      <InstanceType>cassandra.c.2xlarge</InstanceType>
    </InstanceTypeSpec>
    <InstanceTypeSpec>
      <CpuSize>8</CpuSize>
      <MemSize>32</MemSize>
      <InstanceType>cassandra.c.2xlarge</InstanceType>
    </InstanceTypeSpec>
```

```

<InstanceTypeSpec>
  <CpuSize>8</CpuSize>
  <MemSize>32</MemSize>
  <InstanceType>cassandra.c.2xlarge</InstanceType>
</InstanceTypeSpec>
<InstanceTypeSpec>
  <CpuSize>2</CpuSize>
  <MemSize>4</MemSize>
  <InstanceType>cassandra.c.large</InstanceType>
</InstanceTypeSpec>
<InstanceTypeSpec>
  <CpuSize>2</CpuSize>
  <MemSize>8</MemSize>
  <InstanceType>cassandra.c.large</InstanceType>
</InstanceTypeSpec>
<InstanceTypeSpec>
  <CpuSize>4</CpuSize>
  <MemSize>8</MemSize>
  <InstanceType>cassandra.c.xlarge</InstanceType>
</InstanceTypeSpec>
</InstanceTypeSpecList>
</DescribeInstanceTypeResponse>

```

JSON format

```

{
  "RequestId": "4B989A12-FB9A-4D9A-A824-2E9267C911C7",
  "InstanceTypeSpecList": {
    "InstanceTypeSpec": [
      {
        "CpuSize": 4,
        "MemSize": 16,
        "InstanceType": "cassandra.c.large"
      },
      {
        "CpuSize": 4,
        "MemSize": 32,
        "InstanceType": "cassandra.c.large"
      },
      {
        "CpuSize": 4,
        "MemSize": 8,
        "InstanceType": "cassandra.c.large"
      },
      {
        "CpuSize": 8,
        "MemSize": 16,
        "InstanceType": "cassandra.c.2xlarge"
      },
      {
        "CpuSize": 8,
        "MemSize": 32,
        "InstanceType": "cassandra.c.2xlarge"
      },
      {
        "CpuSize": 8,
        "MemSize": 32,
        "InstanceType": "cassandra.c.2xlarge"
      },
      {
        "CpuSize": 2,
        "MemSize": 4,
        "InstanceType": "cassandra.c.large"
      }
    ]
  }
}

```

```

    },
    {
      "CpuSize": 2,
      "MemSize": 8,
      "InstanceType": "cassandra.c.large"
    },
    {
      "CpuSize": 4,
      "MemSize": 8,
      "InstanceType": "cassandra.c.xlarge"
    }
  ]
}
}

```

Error codes

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

1.9 ModifyCluster

You can call this operation to modify the name of 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
Action	String	Yes	ModifyCluster	The operation that you want to perform. Set the value to ModifyCluster.
ClusterId	String	Yes	cds-bp1b136j ****5d58	The ID of the cluster.
ClusterName	String	No	Cassandra_test	The name of the cluster.

Response parameters

Parameter	Type	Example	Description
RequestId	String	39F3F7DF-435B -47C1-832C- 369BF9661A67	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=ModifyCluster
&ClusterId= cds-bp1b136j****5d58
&<Common request parameters>
```

Sample success responses

XML format

```
<ModifyClusterResponse>
  <RequestId>39F3F7DF-435B-47C1-832C-369BF9661A67</RequestId>
</ModifyClusterResponse>
```

JSON format

```
{
  "RequestId": "39F3F7DF-435B-47C1-832C-369BF9661A67"
}
```

Error codes

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

1.10 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
Action	String	Yes	ModifyInstanceMaintainTime	The operation that you want to perform. Set the value to ModifyInstanceMaintainTime.
ClusterId	String	Yes	cds-bp1b**6jco895****	The ID of the instance for which you want to modify the maintenance window.

Parameter	Type	Required	Example	Description
MaintainEndTime	String	Yes	4:00	The end time of the maintenance window. Specify the time in the HH:mm format.
MaintainStartTime	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

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

JSON format

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

Error codes

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

1.11 ModifyInstanceType

You can call this operation to modify the instance type.

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
Action	String	Yes	ModifyInstanceType	The operation that you want to perform. Set the value to ModifyInstanceType.
ClusterId	String	Yes	cds-uf6ig2gf****7pw7	The ID of the cluster.
DataCenterId	String	Yes	cn-shanghai-e	The ID of the data center in the cluster.
InstanceType	String	Yes	cassandra.g.xlarge	The instance type. Examples of valid values: <ul style="list-style-type: none"> cassandra.c.large: 2 cores, 4 GB cassandra.c.xlarge: 4 cores, 8 GB cassandra.c.2xlarge: 8 cores, 16 GB

Response parameters

Parameter	Type	Example	Description
RequestId	String	BC262FE3-91ED-4FE7-BD75-190B62D8BABC	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=ModifyInstanceType
&ClusterId=cds-uf6ig2gf****7pw7
&DataCenterId=cn-shanghai-e
&InstanceType=cassandra.g.xlarge
&<Common request parameters>
```

Sample success responses

XML format

```
<ModifyInstanceTypeResponse>
  <RequestId>BC262FE3-91ED-4FE7-BD75-190B62D8BABC</RequestId>
</ModifyInstanceTypeResponse>
```

JSON format

```
{
  "RequestId": "BC262FE3-91ED-4FE7-BD75-190B62D8BABC"
}
```

Error codes

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

1.12 PurgeCluster

You can call this operation to clear a deleted 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
Action	String	Yes	PurgeCluster	The operation that you want to perform. Set the value to PurgeCluster.
ClusterId	String	Yes	cds-bp1hy2ip ****z465	The ID of the deleted cluster.

Response parameters

Parameter	Type	Example	Description
RequestId	String	317BF5F0-2575-4158-9493-6DA83465491B	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=PurgeCluster
&ClusterId=cds-bp1hy2ip****z465
&<Common request parameters>
```

Sample success responses

XML format

```
<PurgeClusterResponse>
  <RequestId>317BF5F0-2575-4158-9493-6DA83465491B</RequestId>
</PurgeClusterResponse>
```

JSON format

```
{
  "RequestId": "317BF5F0-2575-4158-9493-6DA83465491B"
}
```

Error codes

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

1.13 RebootCluster

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
Action	String	Yes	RebootCluster	The operation that you want to perform. Set the value to RebootCluster.
ClusterId	String	Yes	cds-bp1b136j****5d51	The ID of the cluster to restart.

Response parameters

Parameter	Type	Example	Description
RequestId	String	033F5CDA-EF5E-4893-93C3-7EA5DCB76AF3	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=RebootCluster
&ClusterId=cds-bp1b136j****5d51
&<Common request parameters>
```

Sample success responses

XML format

```
<RebootClusterResponse>
  <RequestId> 033F5CDA-EF5E-4893-93C3-7EA5DCB76AF3</RequestId>
</RebootClusterResponse>
```

JSON format

```
{
  "RequestId": "033F5CDA-EF5E-4893-93C3-7EA5DCB76AF3"
}
```

Error codes

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

1.14 ResizeDiskSize

You can call this operation to resize disks.

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
Action	String	Yes	ResizeDiskSize	The operation that you want to perform. Set the value to ResizeDiskSize.
ClusterId	String	Yes	cds-bp1b136j****5d51	The ID of the cluster.
DataCenterId	String	Yes	cn-hangzhou-g	The ID of the data center in the cluster.
DiskSize	Integer	Yes	240	The new size of the disk. Unit: GB.

Response parameters

Parameter	Type	Example	Description
RequestId	String	5C37DF4E-54D6-4AFA-A1F9-79ADC148F8AD	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=ResizeDiskSize
&ClusterId=cds-bp1b136j****5d51
&DataCenterId=cn-hangzhou-g
&DiskSize=240
&<Common request parameters>
```

Sample success responses

XML format

```
<ResizeDiskSizeResponse>
  <RequestId>5C37DF4E-54D6-4AFA-A1F9-79ADC148F8AD</RequestId>
</ResizeDiskSizeResponse>
```

JSON format

```
{
  "RequestId": "5C37DF4E-54D6-4AFA-A1F9-79ADC148F8AD"
}
```

Error codes

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

1.15 ResizeNodeCount

You can call this operation to scale out nodes in a data center.

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
Action	String	Yes	ResizeNodeCount	The operation that you want to perform. Set the value to ResizeNodeCount.
ClusterId	String	Yes	cds-bp1b136j****5d59	The ID of the cluster.
DataCenterId	String	Yes	cn-hangzhou-g	The ID of the data center.
NodeCount	Integer	Yes	3	The number of nodes in the data center.

Response parameters

Parameter	Type	Example	Description
RequestId	String	D7D3088F-AA4F-49C3-BB46-B04F3E35041A	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=ResizeNodeCount
&ClusterId=cds-bp1b136j****5d59
&DataCenterId= cn-hangzhou-g
&NodeCount=3
&<Common request parameters>
```

Sample success responses

XML format

```
<ResizeNodeCountResponse>
  <RequestId>D7D3088F-AA4F-49C3-BB46-B04F3E35041A</RequestId>
</ResizeNodeCountResponse>
```

JSON format

```
{
  "RequestId": "D7D3088F-AA4F-49C3-BB46-B04F3E35041A"
}
```

Error codes

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

1.16 UpgradeClusterVersion

You can call this operation to upgrade the minor version of the ApsaraDB for Cassandra 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
Action	String	Yes	UpgradeClusterVersion	The operation that you want to perform. Set the value to UpgradeClusterVersion.
ClusterId	String	Yes	cds-bp1u2n43****n115	The ID of the cluster.

Response parameters

Parameter	Type	Example	Description
RequestId	String	BC262FE3-91ED-4FE7-BD75-190B62D8BABC	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=UpgradeClusterVersion
&ClusterId= cds-bp1u2n43****n115
&<Common request parameters>
```

Sample success responses

XML format

```
<UpgradeClusterVersionResponse>
  <RequestId>BC262FE3-91ED-4FE7-BD75-190B62D8BABC</RequestId>
</UpgradeClusterVersionResponse>
```

JSON format

```
{
  "RequestId": "BC262FE3-91ED-4FE7-BD75-190B62D8BABC"
}
```

Error codes

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

2 Security management

2.1 ModifyIpWhitelist

You can call this operation to modify the IP addresses in a whitelist that are allowed to access 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
Action	String	Yes	ModifyIpWhitelist	The operation that you want to perform. Set the value to ModifyIpWhitelist.
ClusterId	String	Yes	cds-bp1b136j****5d51	The ID of the cluster.
IpList	String	Yes	192.***.0.23,30.15.***.133	The list of IP addresses.

Response parameters

Parameter	Type	Example	Description
RequestId	String	11B95AE4-BB1A-4B62-9655-C43395C0B234	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=ModifyIpWhitelist
&ClusterId=cds-bp1b136j****5d51
&IpList=192.***.0.23,30.15.***.133
&<Common request parameters>
```

Sample success responses

XML format

```
<ModifyIpWhitelistResponse>
  <RequestId>11B95AE4-BB1A-4B62-9655-C43395C0B234</RequestId>
</ModifyIpWhitelistResponse>
```

JSON format

```
{
  "RequestId": "11B95AE4-BB1A-4B62-9655-C43395C0B234"
}
```

Error codes

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

2.2 DescribeIpWhitelist

You can call this operation to query the IP addresses in a whitelist that are allowed to access 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
Action	String	Yes	DescribeIpWhitelist	The operation that you want to perform. Set the value to DescribeIpWhitelist.
ClusterId	String	Yes	cds-bp1b136j****5d59	The ID of the cluster.

Response parameters

Parameter	Type	Example	Description
IpList	List	192.***.0.23,30.15.***.133	The IP addresses in the whitelist. Multiple IP addresses are separated with commas (,).

Parameter	Type	Example	Description
RequestId	String	070CAB1F-0F38-4EA8-8FD9-CA129F22409D	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeWhitelist
&ClusterId= cds-bp1b136j****5d59
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeWhitelistResponse>
  <RequestId>070CAB1F-0F38-4EA8-8FD9-CA129F22409D</RequestId>
  <IpList>
    <IP>192.***.0.23</IP>
    <IP>30.15.***.133</IP>
  </IpList>
</DescribeWhitelistResponse>
```

JSON format

```
{
  "RequestId": "070CAB1F-0F38-4EA8-8FD9-CA129F22409D",
  "IpList": {
    "IP": [
      "192.***.0.23",
      "30.15.***.133"
    ]
  }
}
```

Error codes

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

2.3 DescribeWhitelistGroups

You can call this operation to query a list of whitelists.

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
Action	String	Yes	DescribeIpWhitelistGroups	The operation that you want to perform. Set the value to DescribeIpWhitelistGroups.
ClusterId	String	Yes	cds-j6c1zij80****9939	The ID of the cluster.

Response parameters

Parameter	Type	Example	Description
Groups	Array		The list of whitelists.
Group			
GroupName	String	group_one	The name of the whitelist.
IpList	List	127.0.0.1,192.***.0.1	The list of IP addresses in the whitelist . Multiple IP addresses are separated with commas (,).
IpVersion	Integer	6	The IP version. Valid values: 4 and 6.
RequestId	String	391A6933-0D4A-42EB-BCE7-03DA59D69ED4	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeIpWhitelistGroups
&ClusterId=cds-j6c1zij80****9939
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeIpWhitelistGroupsResponse>
  <Groups>
    <Group>
      <GroupName>default</GroupName>
      <IpVersion>4</IpVersion>
```

```

    <IpList>
      <IP>42.***.74.126</IP>
      <IP>127.0.0.2</IP>
    </IpList>
  </Group>
  <Group>
    <GroupName>default_jy</GroupName>
    <IpVersion>4</IpVersion>
    <IpList>
      <IP>42.***.74.126</IP>
      <IP>127.0.0.1</IP>
    </IpList>
  </Group>
</Groups>
<RequestId>391A6933-0D4A-42EB-BCE7-03DA59D69ED4</RequestId>
</DescribeIpWhitelistGroupsResponse>

```

JSON format

```

{
  "Groups": {
    "Group": [
      {
        "GroupName": "default",
        "IpVersion": 4,
        "IpList": {
          "IP": [
            "42.***.74.126",
            "127.0.0.2"
          ]
        }
      },
      {
        "GroupName": "default_jy",
        "IpVersion": 4,
        "IpList": {
          "IP": [
            "42.***.74.126",
            "127.0.0.1"
          ]
        }
      }
    ]
  },
  "RequestId": "391A6933-0D4A-42EB-BCE7-03DA59D69ED4"
}

```

Error codes

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

2.4 ModifyIpWhitelistGroup

You can call this operation to modify the whitelist of 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
Action	String	Yes	ModifyIpWhitelistGroup	The operation that you want to perform. Set the value to ModifyIpWhitelistGroup.
ClusterId	String	Yes	cds-uf6ig2gf****7pw9	The ID of the cluster.
GroupName	String	Yes	test	The name of the IP address whitelist.
IpList	String	Yes	218.30.***.40, 192. ***.0.23	The list of IP addresses in the whitelist.
IpVersion	Integer	Yes	6	The IP version. Valid values: 4 and 6.

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=ModifyIpWhitelistGroup
&ClusterId=cds-uf6ig2gf****7pw9
&GroupName=Web group
&IpList=218.30.***.40,192.***.0.23
```



```
&lpVersion=6
&<Common request parameters>
```

Sample success responses

XML format

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

JSON format

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

Error codes

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

2.5 DescribeSecurityGroups

You can call this operation to query basic information of security groups.

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
Action	String	Yes	DescribeSecurityGroups	The operation that you want to perform. Set the value to DescribeSecurityGroups.
ClusterId	String	Yes	cds-bp1u2n43****n118	The ID of the cluster.

Response parameters

Parameter	Type	Example	Description
RequestId	String	C300D7C1-C45C-45F3-965C-9C4C0B7CB266	The ID of the request.

Parameter	Type	Example	Description
SecurityGroupIds	List	sg-t4ng4yyc916o81nua6**,sg-****	The IDs of security groups to which the cluster belongs.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeSecurityGroups
&ClusterId=cds-bp1u2n43****n118
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeSecurityGroupsResponse>
  <SecurityGroupIds>
    <SecurityGroupIds>sg-t4ng4yyc916o81nua6**</SecurityGroupIds>
    <SecurityGroupIds>sg-****</SecurityGroupIds>
  </SecurityGroupIds>
  <RequestId>C300D7C1-C45C-45F3-965C-9C4C0B7CB266</RequestId>
</DescribeSecurityGroupsResponse>
```

JSON format

```
{
  "SecurityGroupIds": {
    "SecurityGroupIds": [
      "sg-t4ng4yyc916o81nua6**",
      "sg-****"
    ]
  },
  "RequestId": "C300D7C1-C45C-45F3-965C-9C4C0B7CB266"
}
```

Error codes

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

2.6 ModifySecurityGroups

You can call this operation to modify the security group to which the cluster belongs.

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
Action	String	Yes	ModifySecurityGroups	The operation that you want to perform. Set the value to ModifySecurityGroups.
ClusterId	String	Yes	cds-bp142mt7****136k	The ID of the cluster.
SecurityGroupIds	String	Yes	sg-t4ng4yyc916o81nua6**,sg-*****	The ID of the security group to which the cluster belongs. The number of security group ID must be no more than three. You can separate multiple security group IDs with commas (,).

Response parameters

Parameter	Type	Example	Description
RequestId	String	4EC521F2-5E15-41F8-92C2-0C454EA02434	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=ModifySecurityGroups
&ClusterId=cds-bp142mt7****136k
&SecurityGroupIds=sg-t4ng4yyc916o81nua6**,sg-*****
&<Common request parameters>
```

Sample success responses

XML format

```
<ModifySecurityGroupsResponse>
  <RequestId>4EC521F2-5E15-41F8-92C2-0C454EA02434</RequestId>
</ModifySecurityGroupsResponse>
```

JSON format

```
{
  "RequestId": "4EC521F2-5E15-41F8-92C2-0C454EA02434"
```

```
}
```

Error codes

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

3 Account management

3.1 DescribeAccounts

You can call this operation to query the accounts of an instance by specifying the instance 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
Action	String	Yes	DescribeAccounts	The operation that you want to perform. Set the value to DescribeAccounts.
ClusterId	String	Yes	cds-bp1b136jco79****	The ID of the instance to which the account belongs.

Response parameters

Parameter	Type	Example	Description
Accounts	Array		The accounts that were queried.
Account			
Name	String	test	The name of the account.
RequestId	String	9BA1F8A4-12CC-4638-A7EC-D8FA2768D223	The ID of the request.

Examples

Sample requests

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

```
&ClusterId=cds-bp1b136jco79****
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeAccountsResponse>
  <Accounts>
    <Account>
      <Name>test</Name>
    </Account>
  </Accounts>
  <RequestId>9BA1F8A4-12CC-4638-A7EC-D8FA2768D223</RequestId>
</DescribeAccountsResponse>
```

JSON format

```
{
  "Accounts": {
    "Account": [
      {
        "Name": "test"
      }
    ]
  },
  "RequestId": "9BA1F8A4-12CC-4638-A7EC-D8FA2768D223"
}
```

Error codes

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

3.2 ModifyAccountPassword

You can call this operation to modify the password for an account.

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
Action	String	Yes	ModifyAccountPassword	The operation that you want to perform. Set the value to ModifyAccountPassword.

Parameter	Type	Required	Example	Description
Account	String	Yes	cassandra_test	The username.
ClusterId	String	Yes	cds-bp1l5ys6****wzrx	The ID of the instance.
Password	String	Yes	Alibaba@# ¥ **	The new password for the account. The password must be 8 to 32 characters in length. The password must contain at least three of the following character types: uppercase letters, lowercase letters, digits, and special characters. Special characters include ! @#\$%^&*()_+-=

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=ModifyAccountPassword
&Account=cassandra_test
&ClusterId=cds-bp1l5ys6****wzrx
&Password=Alibaba@# ¥ **
&<Common request parameters>
```

Sample success responses

XML format

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

JSON format

```
{
```

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

Error codes

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

4 Zone management

4.1 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
Action	String	Yes	DescribeRegions	The operation that you want to perform. Set the value to DescribeRegions.
AcceptLanguage	String	No	en-US	The supported natural languages . Valid values: <ul style="list-style-type: none"> zh-CN: Chinese. This is the default value. en-US: English. ja: Japanese.

Response parameters

Parameter	Type	Example	Description
Regions	Array		The list of regions.
Region			
LocalName	String	China (Hangzhou)	The name of the region.
RegionEndpoint	String	cassandra.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			
Id	String	cn-hangzhou-b	The ID of the zone.
RequestId	String	F20BBD34-681D-4613-8EFA-259DF510A897	The ID of the request.

Examples

Sample requests

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

Sample success responses

XML format

```
<RequestId>F20BBD34-681D-4613-8EFA-259DF510A897</RequestId>
<Regions>
  <Region>
    <RegionId>cn-hangzhou</RegionId>
    <RegionEndpoint>cassandra.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>cassandra.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>cassandra.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>cassandra.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>
    <Zone>
      <Id>cn-beijing-d</Id>
    </Zone>
  </Zones>
</Region>
```

```

    </Zone>
  <Zone>
    <Id>cn-beijing-e</Id>
  </Zone>
</Zones>
</Region>
<Region>
  <RegionId>cn-shenzhen</RegionId>
  <RegionEndpoint>cassandra.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>cn-hongkong</RegionId>
  <RegionEndpoint>cassandra.aliyuncs.com</RegionEndpoint>
  <LocalName>China (Hong Kong)</LocalName>
  <Zones>
    <Zone>
      <Id>cn-hongkong-b</Id>
    </Zone>
    <Zone>
      <Id>cn-hongkong-c</Id>
    </Zone>
  </Zones>
</Region>
<Region>
  <RegionId>ap-southeast-1</RegionId>
  <RegionEndpoint>cassandra.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": "F20BBD34-681D-4613-8EFA-259DF510A897",

```

```
"Regions": {
  "Region": [
    {
      "RegionId": "cn-hangzhou",
      "RegionEndpoint": "cassandra.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": "cassandra.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": "cassandra.aliyuncs.com",
      "LocalName": "China (Qingdao)",
      "Zones": {
```

```

"Zone": [
  {
    "Id": "cn-qingdao-b"
  },
  {
    "Id": "cn-qingdao-c"
  }
]
},
{
  "RegionId": "cn-beijing",
  "RegionEndpoint": "cassandra.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": "cassandra.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": "cn-hongkong",
  "RegionEndpoint": "cassandra.aliyuncs.com",
  "LocalName": "China (Hong Kong)"
  "Zones": {
    "Zone": [
      {
        "Id": "cn-hongkong-b"
      },
      {
        "Id": "cn-hongkong-c"
      }
    ]
  }
},
{
  "RegionId": "ap-southeast-1",
  "RegionEndpoint": "cassandra.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](#).

4.2 DeleteDataCenter

You can call this operation to delete a data center from 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
Action	String	Yes	DeleteDataCenter	The operation that you want to perform. Set the value to DeleteDataCenter.
ClusterId	String	Yes	cds-bp11tjzh50****7d	The ID of the cluster.
DataCenterId	String	Yes	cn-hangzhou-g	The ID of the data center in the cluster.

Response parameters

Parameter	Type	Example	Description
RequestId	String	200FB963-9359-4CAD-90B7-96395C88FD9D	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DeleteDataCenter
&ClusterId=cds-bp11tjzh50****7d
&DataCenterId=cn-hangzhou-g
&<Common request parameters>
```

Sample success responses

XML format

```
<DeleteDataCenterResponse>
  <RequestId>200FB963-9359-4CAD-90B7-96395C88FD9D</RequestId>
</DeleteDataCenterResponse>
```

JSON format

```
{
  "RequestId": "200FB963-9359-4CAD-90B7-96395C88FD9D"
}
```

Error codes

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

4.3 ModifyDataCenter

You can call this operation to modify the name of a data center.

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
Action	String	Yes	ModifyDataCenter	The operation that you want to perform. Set the value to ModifyDataCenter.
ClusterId	String	Yes	cds-bp1b136j****5d57	The ID of the cluster.
DataCenterId	String	Yes	cn-hangzhou-g	The ID of the data center.
DataCenterName	String	No	Cassandra_test	The new name of the data center.

Response parameters

Parameter	Type	Example	Description
RequestId	String	FAE9E7A4-0E75-46F7-9710-D2E0B41AF9F5	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=ModifyDataCenter
&ClusterId=cds-bp1b136j****5d57
&DataCenterId=cn-hangzhou-g
&<Common request parameters>
```

Sample success responses

XML format

```
<ModifyDataCenterResponse>
  <RequestId>FAE9E7A4-0E75-46F7-9710-D2E0B41AF9F5</RequestId>
```

```
</ModifyDataCenterResponse>
```

JSON format

```
{
  "RequestId": "FAE9E7A4-0E75-46F7-9710-D2E0B41AF9F5"
}
```

Error codes

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

4.4 DescribeDataCenters

You can call this operation to query data center information.

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
Action	String	Yes	DescribeDataCenters	The operation that you want to perform. Set the value to DescribeDataCenters.
ClusterId	String	Yes	cds-bp1b136j****5d57	The ID of the cluster.

Response parameters

Parameter	Type	Example	Description
DataCenters	Array		The list of data centers.
DataCenter			
ClusterId	String	cds-bp1syjlt****q976	The ID of the cluster.
CommodityInstance	String	cds-bp1syjlt****q976	The ID of the commodity instance.

Parameter	Type	Example	Description
CreatedTime	String	2019-09-20T16:02:34Z	The time when the cluster was created . The time is in the HH:mmZ format, displayed in UTC and denoted by Z.
DataCenterId	String	cn-hangzhou-g	The ID of the data center in the cluster .
DataCenter Name	String	test	The name of the data center in the cluster.
DiskSize	Integer	22,000	The size of the disk per node. Unit: GB .
DiskType	String	local_ssd_pro	The type of the disk. Valid values: <ul style="list-style-type: none"> cloud_ssd: standard SSD cloud_essd: enhanced SSD (ESSD) cloud_efficiency: ultra disk local_ssd_pro: local SSD
ExpireTime	String	2020-03-22T00:00:00Z	The expiration time of the cluster. The time is in the HH:mmZ format, displayed in UTC and denoted by Z.
InstanceType	String	cassandra.c5.xlarge	The instance type. Examples of valid values: <ul style="list-style-type: none"> cassandra.c.large: 2 cores, 4 GB cassandra.c.xlarge: 4 cores, 8 GB cassandra.c.2xlarge: 8 cores, 16 GB
LockMode	String	None	The lock mode. Valid values: <ul style="list-style-type: none"> None: The cluster is not locked. Expired: The cluster is locked upon expiration of subscription. DiskFull: The cluster is locked because the disk is full.
NodeCount	Integer	2	The number of nodes.

Parameter	Type	Example	Description
PayType	String	Subscription	The billing method. Valid values: <ul style="list-style-type: none"> Subscription PayAsYouGo <note>Pay-as-you-go instances never expire.</note>
RegionId	String	cn-hangzhou	The region ID of the instance. You can call the DescribeRegions operation to query the most recent region list.
Status	String	Running	The running status of the cluster. Valid values: <ul style="list-style-type: none"> Creating CreateFailed Running Deleting DeleteFailed Deleted
VpcId	String	vpc-bp1qitxqe1m5r****4mng	The ID of the VPC.
VswitchId	String	vsw-bp13e9ynz3jpy****hqlm	The ID of the VSwitch.
ZoneId	String	cn-hangzhou-g	The ID of the zone in which the instance is created. You can call the DescribeRegions operation to query the most recent zone list.
RequestId	String	C8CA4D25-47FE-47D9-A34F-69B554A3A069	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeDataCenters
&ClusterId=cds-bp1b136j****5d57
```

&<Common request parameters>

Sample success responses

XML format

```
<DescribeDataCentersResponse>
  <DataCenters>
    <DataCenter>
      <Status>Running</Status>
      <DataCenterId>cn-hangzhou-g</DataCenterId>
      <CreatedTime>2020-02-21T10:29:45Z</CreatedTime>
      <CommodityInstance>cds-bp1syjlt****q976</CommodityInstance>
      <ZoneId>cn-hangzhou-g</ZoneId>
      <NodeCount>2</NodeCount>
      <ClusterId>cds-bp1syjlt****q976</ClusterId>
      <PayType>Subscription</PayType>
      <LockMode>None</LockMode>
      <DataCenterName>test</DataCenterName>
      <VswitchId>vsw-bp1nm66r36goq****2thl</VswitchId>
      <DiskType>local_ssd_pro</DiskType>
      <VpcId>vpc-bp120k6ixs4eo****vu6x</VpcId>
      <DiskSize>22000</DiskSize>
      <RegionId>cn-hangzhou</RegionId>
      <InstanceType>cassandra.c.2xlarge</InstanceType>
      <ExpireTime>2020-03-22T00:00:00Z</ExpireTime>
    </DataCenter>
  </DataCenters>
  <RequestId>5AA67458-E8E8-419C-873A-D211CE2C7D31</RequestId>
</DescribeDataCentersResponse>
```

JSON format

```
{
  "DataCenters": {
    "DataCenter": [
      {
        "Status": "Running",
        "DataCenterId": "cn-hangzhou-g",
        "CreatedTime": "2020-02-21T10:29:45Z",
        "CommodityInstance": "cds-bp1syjlt****q976",
        "ZoneId": "cn-hangzhou-g",
        "NodeCount": 2,
        "ClusterId": "cds-bp1syjlt****q976",
        "PayType": "Subscription",
        "LockMode": "None",
        "DataCenterName": "test",
        "VswitchId": "vsw-bp1nm66r36goq****2thl",
        "DiskType": "local_ssd_pro",
        "VpcId": "vpc-bp120k6ixs4eo****vu6x",
        "DiskSize": 22000,
        "RegionId": "cn-hangzhou",
        "InstanceType": "cassandra.c.2xlarge",
        "ExpireTime": "2020-03-22T00:00:00Z"
      }
    ]
  },
  "RequestId": "5AA67458-E8E8-419C-873A-D211CE2C7D31"
```

```
}
```

Error codes

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

5 Backup management

5.1 DescribeBackup

You can call this operation to query the backup summary.

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
Action	String	Yes	DescribeBackup	The operation that you want to perform. Set the value to DescribeBackup.
BackupId	String	Yes	2020010121****	The ID of the backup.
BackupType	String	Yes	Incremental	The type of the backup. Valid values: <ul style="list-style-type: none"> full: a full backup. Incremental: an incremental backup.
ClusterId	String	Yes	cds-bp11tjzh50****78	The ID of the cluster for the backup.
DataCenterId	String	Yes	cn-hangzhou-g	The ID of the data center for the backup in the cluster.

Response parameters

Parameter	Type	Example	Description
Backup	Struct		The summary information of the backup plan.

Parameter	Type	Example	Description
BackupId	String	2020010121****	The ID of the backup.
BackupType	String	Incremental	The type of the backup. Valid values: <ul style="list-style-type: none"> full: a full backup. Incremental: an incremental backup.
ClusterId	String	cds-bp11tjzh50****7v	The ID of the cluster for the backup.
DataCenterId	String	cn-hangzhou-g	The ID of the data center for the backup in the cluster.
Details	String	{ "name": "cds-uf6m0bod****6159-20200226", "start": "2020-02-26 01:57:05", "end": "2020-02-26 02:12:50", "completeNodes": ["cds-uf6m0bod****159-1-core-002.cassandra.rds.aliyuncs.com", "cds-uf6m0bo****v6159-1-core-001.cassandra.rds.aliyuncs.com", "cds-uf6m0bod****6159-1-core-003.cassandra.rds.aliyuncs.com"], "incompleteNodes": [], "missingNodes": [], "files": 923, "size": 149016650}	The details of the backup.

Parameter	Type	Example	Description
EndTime	String	2020-01-01 21:48:54Z	The end time of the backup task. The time follows the ISO 8601 standard in the yyyy-MM-ddThh:mm:ssZ format . The time is displayed in UTC and denoted by Z.
Size	Long	149016650	The size of the backup.
StartTime	String	2020-01-01 21:48:40Z	The start time of the backup task. The time follows the ISO 8601 standard in the yyyy-MM-ddThh:mm:ssZ format . The time is displayed in UTC and denoted by Z.
Status	String	Succeeded	The status of the backup. Valid values: <ul style="list-style-type: none"> Succeeded: The backup was created. Failed: The backup failed to create.
RequestId	String	200FB963-9359-4CAD-90B7-96395C88FD9D	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeBackup
&BackupId=2020010121****
&BackupType=Incremental
&ClusterId=cds-bp11tjzh50****78
&DataCenterId= cn-hangzhou-g
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeBackupResponse>
  <RequestId>FA04A743-6C3F-4C06-A2B7-6B75B9D3D18C</RequestId>
  <Backup>
    <Status>Succeeded</Status>
    <DataCenterId>cn-shanghai-e</DataCenterId>
    <Details>{"name": "cds-uf6m0bod****6159-20200226", "start": "2020-02-26 01:57:05", "end": "2020-02-26 02:12:50", "completeNodes": ["cds-uf6m0bod****6159-1-
```

```

core-002.cassandra.rds.aliyuncs.com", "cds-uf6m0bod****6159-1-core-001.cassandra.
rds.aliyuncs.com", "cds-uf6m0bod****6159-1-core-003.cassandra.rds.aliyuncs.com"], "
incompleteNodes": [], "missingNodes": [], "files": 923, "size": 149016650}
</Details>
  <EndTime>2020-02-26T02:12:50Z</EndTime>
  <ClusterId>cds-uf6m0bo****v6159</ClusterId>
  <Size>149016650</Size>
  <StartTime>2020-02-26T01:57:00Z</StartTime>
  <BackupId>20200226</BackupId>
  <BackupType>Incremental</BackupType>
</Backup>
</DescribeBackupResponse>

```

JSON format

```

{
  "RequestId": "FA04A743-6C3F-4C06-A2B7-6B75B9D3D18C",
  "Backup": {
    "Status": "Succeeded",
    "DataCenterId": "cn-shanghai-e",
    "Details": "{\"name\": \"cds-uf6m0bod****6159-20200226\", \"start\": \"2020-02-26
01:57:05\", \"end\": \"2020-02-26 02:12:50\", \"completeNodes\": [\"cds-uf6m0bod
****6159-1-core-002.cassandra.rds.aliyuncs.com\", \"cds-uf6m0bod****6159-1-core-
001.cassandra.rds.aliyuncs.com\", \"cds-uf6m0bod****6159-1-core-003.cassandra.rds.
aliyuncs.com\"], \"incompleteNodes\": [], \"missingNodes\": [], \"files\": 923, \"size\":
149016650}\n",
    "EndTime": "2020-02-26T02:12:50Z",
    "ClusterId": "cds-uf6m0bo****v6159",
    "Size": 149016650,
    "StartTime": "2020-02-26T01:57:00Z",
    "BackupId": "20200226",
    "BackupType": "Incremental"
  }
}

```

Error codes

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

5.2 DeleteBackupPlan

You can call this operation to delete a backup plan.

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
Action	String	Yes	DeleteBackupPlan	The operation that you want to perform. Set the value to DeleteBackupPlan.
ClusterId	String	Yes	cds-bp11tjzh50****7c	The ID of the cluster for the backup.
DataCenterId	String	Yes	cn-hangzhou-g	The ID of the data center for the backup in the cluster.

Response parameters

Parameter	Type	Example	Description
RequestId	String	200FB963-9359-4CAD-90B7-96395C88FD9D	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DeleteBackupPlan
&ClusterId=cds-bp11tjzh50****7c
&DataCenterId= cn-hangzhou-g
&<Common request parameters>
```

Sample success responses

XML format

```
<DeleteBackupPlanResponse>
  <RequestId>200FB963-9359-4CAD-90B7-96395C88FD9D</RequestId>
</DeleteBackupPlanResponse>
```

JSON format

```
{
  "RequestId": "200FB963-9359-4CAD-90B7-96395C88FD9D"
}
```

Error codes

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

5.3 CreateBackupPlan

You can call this operation to create a backup plan.

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
Action	String	Yes	CreateBackupPlan	The operation that you want to perform. Set the value to CreateBackupPlan.
BackupTime	String	Yes	00:30Z	The start time of the backup task each day. The time is displayed in UTC and denoted by Z.
ClusterId	String	Yes	cds-bp11tjzh50****7b	The ID of the cluster for the backup.
DataCenterId	String	Yes	cn-hangzhou-g	The ID of the data center for the backup in the cluster.
BackupPeriod	String	No	Monday	The backup cycle. Valid values: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, and Sunday.
RetentionPeriod	Integer	No	5	The duration for which you want to retain the backup. Valid values : 1 to 7. Unit: days.
Active	Boolean	No	true	Specifies whether to activate the backup plan.

Response parameters

Parameter	Type	Example	Description
RequestId	String	200FB963-9359-4CAD-90B7-96395C88FD9D	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=CreateBackupPlan
&BackupTime=00:30Z
&ClusterId=cds-bp11tjzh50****7b
&DataCenterId= cn-hangzhou-g
&<Common request parameters>
```

Sample success responses

XML format

```
<CreateBackupPlanResponse>
  <RequestId>200FB963-9359-4CAD-90B7-96395C88FD9D</RequestId>
</CreateBackupPlanResponse>
```

JSON format

```
{
  "RequestId": "200FB963-9359-4CAD-90B7-96395C88FD9D"
}
```

Error codes

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

5.4 DescribeBackupPlan

You can call this operation to query backup plans.

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
Action	String	Yes	DescribeBackupPlan	The operation that you want to perform. Set the value to DescribeBackupPlan.
ClusterId	String	Yes	cds-uf6m0bo****6158	The ID of the cluster for the backup.
DataCenterId	String	Yes	cn-shanghai-e	The ID of the data center for the backup in the cluster.

Response parameters

Parameter	Type	Example	Description
BackupPlan	Struct		The details of the backup plan.
Active	Boolean	True	Indicates whether the backup plan is activated.
BackupPeriod	String	Monday	The backup cycle. Valid values: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, and Sunday.
BackupTime	String	00:30Z	The time when the backup task starts each day. The time is displayed in UTC and denoted by Z.
ClusterId	String	cds-uf6m0b****7v6159	The ID of the cluster for the backup.
CreatedTime	String	2020-02-26T01:56Z	The time when the backup plan was created. The time is displayed in UTC and denoted by Z.
DataCenterId	String	cn-shanghai-e	The ID of the data center for the backup in the cluster.

Parameter	Type	Example	Description
RetentionPeriod	Integer	7	The duration for which you want to retain the backup. Valid values: 1 to 7 . Unit: days.
RequestId	String	0EA95AA2-860C-42CB-97CF-78CA3937E0D5	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeBackupPlan
&ClusterId=cds-uf6m0bo****6158
&DataCenterId=cn-shanghai-e
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeBackupPlanResponse>
  <RequestId>0EA95AA2-860C-42CB-97CF-78CA3937E0D5</RequestId>
  <BackupPlan>
    <DataCenterId>cn-shanghai-e</DataCenterId>
    <BackupPeriod>Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday</
BackupPeriod>
    <Active>>true</Active>
    <CreatedTime>2020-02-26T01:56Z</CreatedTime>
    <ClusterId>cds-uf6m0bo****v6159</ClusterId>
    <BackupTime>00:30Z</BackupTime>
    <RetentionPeriod>7</RetentionPeriod>
  </BackupPlan>
</DescribeBackupPlanResponse>
```

JSON format

```
{
  "RequestId": "0EA95AA2-860C-42CB-97CF-78CA3937E0D5",
  "BackupPlan": {
    "DataCenterId": "cn-shanghai-e",
    "BackupPeriod": "Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday",
    "Active": true,
    "CreatedTime": "2020-02-26T01:56Z",
    "ClusterId": "cds-uf6m0bo****v6159",
    "BackupTime": "00:30Z",
    "RetentionPeriod": 7
  }
}
```

```
}

```

Error codes

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

5.5 DescribeBackups

You can call this operation to query the list of backups in 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
Action	String	Yes	DescribeBackups	The operation that you want to perform. Set the value to DescribeBackups.
BackupType	String	Yes	Incremental	The type of the backup. Valid values: <ul style="list-style-type: none"> full: a full backup. Incremental: an incremental backup.
ClusterId	String	Yes	cds-uf6m0bod****6158	The ID of the cluster for the backup.
DataCenterId	String	Yes	cn-shanghai-e	The ID of the data center for the backup in the cluster.

Response parameters

Parameter	Type	Example	Description
Backups	Array		The list of backup tasks.
Backup			

Parameter	Type	Example	Description
BackupId	String	20200***	The ID of the backup.
BackupType	String	Incremental	The type of the backup. Valid values: <ul style="list-style-type: none"> full: a full backup. Incremental: an incremental backup.
ClusterId	String	cds-uf6m0bod****6159	The ID of the cluster for the backup.
DataCenterId	String	cn-shanghai-e	The ID of the data center for the backup in the cluster.
EndTime	String	2020-02-26T02:12:50Z	The end time of the backup task. The time follows the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format . The time is displayed in UTC and denoted by Z.
Size	Long	149016650	The size of the backup.
StartTime	String	2020-02-26T01:57:00Z	The start time of the backup task. The time follows the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format . The time is displayed in UTC and denoted by Z.
Status	String	Succeeded	The state of the backup. Valid values: <ul style="list-style-type: none"> Succeeded: The backup was created. Failed: The backup failed to create.
RequestId	String	A6E59F3B-5CB7-4922-85CA-06EC0BB00BAA	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeBackups
&BackupType=Incremental
&ClusterId=cds-uf6m0bod****6158
&DataCenterId=cn-shanghai-e
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeBackupsResponse>
  <RequestId>A6E59F3B-5CB7-4922-85CA-06EC0BB00BAA</RequestId>
  <Backups>
    <Backup>
      <Status>Succeeded</Status>
      <DataCenterId>cn-shanghai-e</DataCenterId>
      <EndTime>2020-02-26T02:12:50Z</EndTime>
      <ClusterId>cds-uf6m0bo****6159</ClusterId>
      <Size>149016650</Size>
      <StartTime>2020-02-26T01:57:00Z</StartTime>
      <BackupId>20200226</BackupId>
      <BackupType>Incremental</BackupType>
    </Backup>
    <Backup>
      <Status>Succeeded</Status>
      <DataCenterId>cn-shanghai-e</DataCenterId>
      <EndTime>2020-02-27T01:01:28Z</EndTime>
      <ClusterId>cds-uf6m0bod****6159</ClusterId>
      <Size>149494577</Size>
      <StartTime>2020-02-27T01:01:00Z</StartTime>
      <BackupId>20200227</BackupId>
      <BackupType>Incremental</BackupType>
    </Backup>
    <Backup>
      <Status>Succeeded</Status>
      <DataCenterId>cn-shanghai-e</DataCenterId>
      <EndTime>2020-02-28T01:01:23Z</EndTime>
      <ClusterId>cds-uf6m0bo****v6159</ClusterId>
      <Size>149282931</Size>
      <StartTime>2020-02-28T01:01:00Z</StartTime>
      <BackupId>20200228</BackupId>
      <BackupType>Incremental</BackupType>
    </Backup>
    <Backup>
      <Status>Succeeded</Status>
      <DataCenterId>cn-shanghai-e</DataCenterId>
      <EndTime>2020-02-29T01:00:56Z</EndTime>
      <ClusterId>cds-uf6m0bod****6159</ClusterId>
      <Size>149454625</Size>
      <StartTime>2020-02-29T00:25:28Z</StartTime>
      <BackupId>20200229</BackupId>
      <BackupType>Incremental</BackupType>
    </Backup>
    <Backup>
      <Status>Succeeded</Status>
      <DataCenterId>cn-shanghai-e</DataCenterId>
      <EndTime>2020-03-02T22:12:41Z</EndTime>
```

```

    <ClusterId>cds-uf6m0bo****v6159</ClusterId>
    <Size>149364202</Size>
    <StartTime>2020-03-01T00:30:00Z</StartTime>
    <BackupId>20200301</BackupId>
    <BackupType>Incremental</BackupType>
  </Backup>
  <Backup>
    <Status>Succeeded</Status>
    <DataCenterId>cn-shanghai-e</DataCenterId>
    <EndTime>2020-03-02T00:30:13Z</EndTime>
    <ClusterId>cds-uf6m0bod****6159</ClusterId>
    <Size>149356372</Size>
    <StartTime>2020-03-02T00:30:00Z</StartTime>
    <BackupId>20200302</BackupId>
    <BackupType>Incremental</BackupType>
  </Backup>
  <Backup>
    <Status>Succeeded</Status>
    <DataCenterId>cn-shanghai-e</DataCenterId>
    <EndTime>2020-03-04T02:11:59Z</EndTime>
    <ClusterId>cds-uf6m0bo****v6159</ClusterId>
    <Size>149359298</Size>
    <StartTime>2020-03-03T00:30:00Z</StartTime>
    <BackupId>20200303</BackupId>
    <BackupType>Incremental</BackupType>
  </Backup>
  <Backup>
    <Status>Succeeded</Status>
    <DataCenterId>cn-shanghai-e</DataCenterId>
    <EndTime>2020-03-04T02:12:09Z</EndTime>
    <ClusterId>cds-uf6m0bod****6159</ClusterId>
    <Size>149267899</Size>
    <StartTime>2020-03-04T00:30:00Z</StartTime>
    <BackupId>20200304</BackupId>
    <BackupType>Incremental</BackupType>
  </Backup>
  <Backup>
    <Status>Succeeded</Status>
    <DataCenterId>cn-shanghai-e</DataCenterId>
    <EndTime>2020-03-06T15:52:58Z</EndTime>
    <ClusterId>cds-uf6m0bod****6159</ClusterId>
    <Size>149188148</Size>
    <StartTime>2020-03-05T00:30:00Z</StartTime>
    <BackupId>20200305</BackupId>
    <BackupType>Incremental</BackupType>
  </Backup>
  <Backup>
    <Status>Succeeded</Status>
    <DataCenterId>cn-shanghai-e</DataCenterId>
    <EndTime>2020-03-06T15:53:06Z</EndTime>
    <ClusterId>cds-uf6m0bod****6159</ClusterId>
    <Size>149188280</Size>
    <StartTime>2020-03-06T00:30:00Z</StartTime>
    <BackupId>20200306</BackupId>
    <BackupType>Incremental</BackupType>
  </Backup>
</Backups>
</DescribeBackupsResponse>

```

JSON format

```

{
  "RequestId": "A6E59F3B-5CB7-4922-85CA-06EC0BB00BAA",

```

```

"Backups": {
  "Backup": [
    {
      "Status": "Succeeded",
      "DataCenterId": "cn-shanghai-e",
      "EndTime": "2020-02-26T02:12:50Z",
      "ClusterId": "cds-uf6m0bo****6159",
      "Size": 149016650,
      "StartTime": "2020-02-26T01:57:00Z",
      "BackupId": "20200226",
      "BackupType": "Incremental"
    },
    {
      "Status": "Succeeded",
      "DataCenterId": "cn-shanghai-e",
      "EndTime": "2020-02-27T01:01:28Z",
      "ClusterId": "cds-uf6m0bod****6159",
      "Size": 149494577,
      "StartTime": "2020-02-27T01:01:00Z",
      "BackupId": "20200227",
      "BackupType": "Incremental"
    },
    {
      "Status": "Succeeded",
      "DataCenterId": "cn-shanghai-e",
      "EndTime": "2020-02-28T01:01:23Z",
      "ClusterId": "cds-uf6m0bo****v6159",
      "Size": 149282931,
      "StartTime": "2020-02-28T01:01:00Z",
      "BackupId": "20200228",
      "BackupType": "Incremental"
    },
    {
      "Status": "Succeeded",
      "DataCenterId": "cn-shanghai-e",
      "EndTime": "2020-02-29T01:00:56Z",
      "ClusterId": "cds-uf6m0bod****6159",
      "Size": 149454625,
      "StartTime": "2020-02-29T00:25:28Z",
      "BackupId": "20200229",
      "BackupType": "Incremental"
    },
    {
      "Status": "Succeeded",
      "DataCenterId": "cn-shanghai-e",
      "EndTime": "2020-03-02T22:12:41Z",
      "ClusterId": "cds-uf6m0bo****v6159",
      "Size": 149364202,
      "StartTime": "2020-03-01T00:30:00Z",
      "BackupId": "20200301",
      "BackupType": "Incremental"
    },
    {
      "Status": "Succeeded",
      "DataCenterId": "cn-shanghai-e",
      "EndTime": "2020-03-02T00:30:13Z",
      "ClusterId": "cds-uf6m0bod****6159",
      "Size": 149356372,
      "StartTime": "2020-03-02T00:30:00Z",
      "BackupId": "20200302",
      "BackupType": "Incremental"
    },
    {
      "Status": "Succeeded",

```

```

    "DataCenterId": "cn-shanghai-e",
    "EndTime": "2020-03-04T02:11:59Z",
    "ClusterId": "cde-uf6m0bo****v6159",
    "Size": 149359298,
    "StartTime": "2020-03-03T00:30:00Z",
    "BackupId": "20200303",
    "BackupType": "Incremental"
  },
  {
    "Status": "Succeeded",
    "DataCenterId": "cn-shanghai-e",
    "EndTime": "2020-03-04T02:12:09Z",
    "ClusterId": "cde-uf6m0bod****6159",
    "Size": 149267899,
    "StartTime": "2020-03-04T00:30:00Z",
    "BackupId": "20200304",
    "BackupType": "Incremental"
  },
  {
    "Status": "Succeeded",
    "DataCenterId": "cn-shanghai-e",
    "EndTime": "2020-03-06T15:52:58Z",
    "ClusterId": "cde-uf6m0bod****6159",
    "Size": 149188148,
    "StartTime": "2020-03-05T00:30:00Z",
    "BackupId": "20200305",
    "BackupType": "Incremental"
  },
  {
    "Status": "Succeeded",
    "DataCenterId": "cn-shanghai-e",
    "EndTime": "2020-03-06T15:53:06Z",
    "ClusterId": "cde-uf6m0bod****6159",
    "Size": 149188280,
    "StartTime": "2020-03-06T00:30:00Z",
    "BackupId": "20200306",
    "BackupType": "Incremental"
  }
]
}
}

```

Error codes

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

5.6 ModifyBackupPlan

You can call this operation to modify a backup plan.

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
Action	String	Yes	ModifyBackupPlan	The operation that you want to perform. Set the values to ModifyBackupPlan.
BackupTime	String	Yes	00:30Z	The start time of the backup task each day. The time is displayed in UTC and denoted by Z.
ClusterId	String	Yes	cds-uf6m0bod****6158	The ID of the cluster for the backup.
DataCenterId	String	Yes	cn-shanghai-e	The ID of the data center in the cluster.
BackupPeriod	String	No	Monday, Tuesday	The backup cycle. Valid values: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, and Sunday.
RetentionPeriod	Integer	No	7	The retention period in the backup plan.
Active	Boolean	No	true	Specifies whether the backup plan is activated.

Response parameters

Parameter	Type	Example	Description
RequestId	String	FA04A743-6C3F-4C06-A2B7-6B75B9D3D18C	The ID of the request.

Examples

Sample requests

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

```
&BackupTime=00:30Z
&ClusterId=cds-uf6m0bod****6158
&DataCenterId=cn-shanghai-e
&<Common request parameters>
```

Sample success responses

XML format

```
<ModifyBackupPlanResponse>
  <RequestId>FA04A743-6C3F-4C06-A2B7-6B75B9D3D18C</RequestId>
</ModifyBackupPlanResponse>
```

JSON format

```
{
  "RequestId": "FA04A743-6C3F-4C06-A2B7-6B75B9D3D18C"
}
```

Error codes

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

5.7 DescribeBackupPlans

You can call this operation to query the list of backup plans.

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
Action	String	Yes	DescribeBackupPlans	The operation that you want to perform. Set the value to DescribeBackupPlans
ClusterId	String	Yes	cds-bp1yt5g0****7f48	The ID of the cluster for the backup.

Response parameters

Parameter	Type	Example	Description
BackupPlans	Array		The list of backup plans.
BackupPlan			
Active	Boolean	true	Indicates whether the backup plan is activated.
BackupPeriod	String	Monday	The backup cycle. Valid values: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, and Sunday.
BackupTime	String	00:30Z	The start time of the backup task each day. The time follows the ISO 8601 standard in the HH:mmZ format. The time is displayed in UTC and denoted by Z.
ClusterId	String	cds-uf6m0bod****6159	The ID of the cluster for the backup.
CreatedTime	String	2020-02-26T01:56Z	The time when the backup plan was created. The time follows the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time is displayed in UTC and denoted by Z.
DataCenterId	String	cn-hangzhou-g	The ID of the data center for the backup in the cluster.
RetentionPeriod	Integer	5	The duration for which you want to retain the backup. Valid values: 1 to 7. Unit: days.
RequestId	String	200FB963-9359-4CAD-90B7-96395C88FD9D	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeBackupPlans
&ClusterId=cds-bp1yt5g0****7f48
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeBackupPlansResponse>
  <RequestId>DBADCCEE-0E07-4DBD-9343-C7F312B23979</RequestId>
  <BackupPlans>
    <BackupPlan>
      <DataCenterId>cn-shanghai-e</DataCenterId>
      <BackupPeriod>Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,
Sunday</BackupPeriod>
      <Active>>true</Active>
      <CreatedTime>2020-02-26T01:56Z</CreatedTime>
      <ClusterId>cds-uf6m0bod****6159</ClusterId>
      <BackupTime>00:30Z</BackupTime>
      <RetentionPeriod>7</RetentionPeriod>
    </BackupPlan>
  </BackupPlans>
</DescribeBackupPlansResponse>
```

JSON format

```
{
  "RequestId": "DBADCCEE-0E07-4DBD-9343-C7F312B23979",
  "BackupPlans": {
    "BackupPlan": [
      {
        "DataCenterId": "cn-shanghai-e",
        "BackupPeriod": "Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday",
        "Active": true,
        "CreatedTime": "2020-02-26T01:56Z",
        "ClusterId": "cgs-uf6m0bod****6159",
        "BackupTime": "00:30Z",
        "RetentionPeriod": 7
      }
    ]
  }
}
```

Error codes

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

6 Connection point management

6.1 AllocatePublicContactPoints

You can call this operation to allocate public endpoints.

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
Action	String	Yes	AllocatePublicContactPoints	The operation that you want to perform. Set the value to AllocatePublicContactPoints.
ClusterId	String	Yes	cds-bp1hy2i****2z46l	The ID of the cluster.
DataCenterId	String	Yes	cn-hangzhou-g	The ID of the data center in the cluster.

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=AllocatePublicContactPoints
&ClusterId=cds-bp1hy2i****2z46l
&DataCenterId=cn-hangzhou-g
&<Common request parameters>
```

Sample success responses

XML format

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

JSON format

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

Error codes

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

6.2 DescribeContactPoints

You can call this operation to obtain the connection information of a specified 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
Action	String	Yes	DescribeContactPoints	The operation that you want to perform. Set the value to DescribeContactPoints.
ClusterId	String	Yes	cds-bp1b136j****5d57	The ID of the cluster.

Response parameters

Parameter	Type	Example	Description
ContactPoints	Array		The connection information of the cluster.
ContactPoint			
DataCenterId	String	cn-hangzhou-g	The ID of the data center.

Parameter	Type	Example	Description
Port	Integer	9042	The native transport port for CQL.
PrivateAddresses	List	cds-bp1b136**** 5d56-1-core-001 .cassandra.rds. aliyuncs.com	The internal endpoint.
PublicAddresses	List	cds-proxy-pub -bp1b136j**** 5d56-1-core-002 .cassandra.rds. aliyuncs.com	The public endpoint.
RequestId	String	467F786B-C765 -40C4-8493- 89F4CE95F1B6	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeContactPoints
&ClusterId=cds-bp1b136j****5d57
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeContactPointsResponse>
  <RequestId>467F786B-C765-40C4-8493-89F4CE95F1B6</RequestId>
  <ContactPoints>
    <ContactPoint>
      <Port>9042</Port>
      <DataCenterId>cn-hangzhou-g</DataCenterId>
      <PrivateAddresses>
        <PrivateAddress>cds-bp1b136j****5d56-1-core-001.cassandra.rds.aliyuncs.com</PrivateAddress>
        <PrivateAddress>cds-bp1b136j****5d56-1-core-002.cassandra.rds.aliyuncs.com</PrivateAddress>
      </PrivateAddresses>
      <PublicAddresses>
        <PublicAddress>cds-proxy-pub-bp1b136j****5d56-1-core-001.cassandra.rds.aliyuncs.com</PublicAddress>
        <PublicAddress>cds-proxy-pub-bp1b136j****5d56-1-core-002.cassandra.rds.aliyuncs.com</PublicAddress>
      </PublicAddresses>
    </ContactPoint>
  </ContactPoints>
```

```
</DescribeContactPointsResponse>
```

JSON format

```
{
  "RequestId": "467F786B-C765-40C4-8493-89F4CE95F1B6",
  "ContactPoints": {
    "ContactPoint": [
      {
        "Port": 9042,
        "DataCenterId": "cn-hangzhou-g",
        "PrivateAddresses": {
          "PrivateAddress": [
            "cds-bp1b136j****5d56-1-core-001.cassandra.rds.aliyuncs.com",
            "cds-bp1b136j****5d56-1-core-002.cassandra.rds.aliyuncs.com"
          ]
        },
        "PublicAddresses": {
          "PublicAddress": [
            "cds-proxy-pub-bp1b136j****5d56-1-core-001.cassandra.rds.aliyuncs.com",
            "cds-proxy-pub-bp1b136j****5d56-1-core-002.cassandra.rds.aliyuncs.com"
          ]
        }
      }
    ]
  }
}
```

Error codes

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

6.3 ReleasePublicContactPoints

You can call this operation to release public endpoints.

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
Action	String	Yes	ReleasePublicContactPoints	The operation that you want to perform. Set the value to ReleasePublicContactPoints.
ClusterId	String	Yes	cds-bp1b136j****5d51	The ID of the cluster.

Parameter	Type	Required	Example	Description
DataCenterId	String	Yes	cn-hangzhou-g	The ID of the data center.

Response parameters

Parameter	Type	Example	Description
RequestId	String	DE71CDCF-97AF-4D69-A327-5F4B23184B9A	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=ReleasePublicContactPoints
&ClusterId=cds-bp1b136j****5d51
&DataCenterId=cn-hangzhou-g
&<Common request parameters>
```

Sample success responses

XML format

```
<ReleasePublicContactPointsResponse>
  <RequestId>DE71CDCF-97AF-4D69-A327-5F4B23184B9A</RequestId>
</ReleasePublicContactPointsResponse>
```

JSON format

```
{
  "RequestId": "DE71CDCF-97AF-4D69-A327-5F4B23184B9A"
}
```

Error codes

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

7 Nodetool

7.1 DescribeNodeToolExecutionHistories

You can call this operation to query the execution history of the nodetool command 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
Action	String	Yes	DescribeNodeToolExecutionHistories	The operation that you want to perform. Set the value to DescribeNodeToolExecutionHistories.
ClusterId	String	Yes	cds-3872l6py****n9ul	The ID of the ApsaraDB for Cassandra cluster.
PageNumber	Integer	No	1	The number of the page to return. Valid values: any positive integer. Default value: 1.
PageSize	Integer	No	10	The number of the entries to return on each page.

Response parameters

Parameter	Type	Example	Description
Histories	Array		The execution history of the nodetool command.

Parameter	Type	Example	Description
History			
Arguments	String	10093	The parameters that follow the nodetool command.
Command	String	settimeout misc	The command that follows nodetool.
CreateTime	Long	1576725956000	The time when the cluster was created .
DataCenterId	String	cn-shanghai-f	The ID of the data center in the cluster .
ErrorMessage	String	See \"nodetool help\" or \"nodetool help	The detailed error message that appears if an error occurs.
IsEnded	Boolean	true	Indicates whether the nodetool execution is complete. Valid values: true and false.
JobId	String	job-C3zcrKtZ**** qapO	The ID of the job that was executed. job-xxxx
ModifyTime	Long	1576725689000	The modification time.
Nodes	String	core-1,core-2	The nodes where jobs are executed.
RegionId	String	cn-shanghai	The ID of the region.
PageNumber	Integer	1	The page number of the returned page. Valid values: any positive integer. Default value: 1.
PageSize	Integer	10	The number of entries returned per page.

Parameter	Type	Example	Description
RequestId	String	FDC6EF03-8B7D-470D-AB81-BD9C9713A9E3	The ID of the request.
TotalCount	Long	2	The total number of entries returned.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeNodeToolExecutionHistories
&ClusterId=cds-3872l6py****n9ul
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeNodeToolExecutionHistoriesResponse>
  <TotalCount>2</TotalCount>
  <PageSize>10</PageSize>
  <RequestId>FDC6EF03-8B7D-470D-AB81-BD9C9713A9E3</RequestId>
  <PageNumber>1</PageNumber>
  <Histories>
    <History>
      <ModifyTime>1576725953000</ModifyTime>
      <DataCenterId>cn-shanghai-f</DataCenterId>
      <Command>settimeout misc</Command>
      <CreateTime>1576725956000</CreateTime>
      <Arguments>10093</Arguments>
      <RegionId>cn-shanghai</RegionId>
      <JobId>job-0XDBTwhOxelqFikQ</JobId>
      <Nodes>core-1,core-2</Nodes>
    </History>
    <History>
      <ModifyTime>1576725689000</ModifyTime>
      <DataCenterId>cn-shanghai-f</DataCenterId>
      <Command>settimeout misc</Command>
      <CreateTime>1576725692000</CreateTime>
      <Arguments>10039</Arguments>
      <RegionId>cn-shanghai</RegionId>
      <JobId>job-C3zcrKtZijSyqapO</JobId>
      <Nodes>core-1,core-2</Nodes>
    </History>
  </Histories>
</DescribeNodeToolExecutionHistoriesResponse>
```

JSON format

```
{
  "TotalCount": 2,
  "PageSize": 10,
  "RequestId": "FDC6EF03-8B7D-470D-AB81-BD9C9713A9E3",
  "PageNumber": 1,
  "Histories": {
```

```

"History": [
  {
    "ModifyTime": "1576725953000",
    "DataCenterId": "cn-shanghai-f",
    "Command": "settimeout misc",
    "CreateTime": "1576725956000",
    "Arguments": "10093",
    "RegionId": "cn-shanghai",
    "JobId": "job-0XDBTwhO****FikQ",
    "IsEnded": true,
    "Nodes": "core-1,core-2"
  },
  {
    "ModifyTime": "1576725689000",
    "DataCenterId": "cn-shanghai-f",
    "Command": "settimeout misc",
    "CreateTime": "1576725692000",
    "Arguments": "10039",
    "RegionId": "cn-shanghai",
    "JobId": "job-C3zcrKtZijSyqapO",
    "IsEnded": true,
    "Nodes": "core-1,core-2"
  }
]
}
}

```

Error codes

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

7.2 ExecuteNodeTool

You can call this operation to run the nodetool command in a specified data center.

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
Action	String	Yes	ExecuteNodeTool	The operation that you want to perform. Set the value to ExecuteNodeTool.
ClusterId	String	Yes	cds-3872l6py****n4u1	The ID of the cluster.

Parameter	Type	Required	Example	Description
Command	String	Yes	settimeout misc	The command that follows nodetool.
DataCenterId	String	Yes	cn-shanghai-f	The ID of the data center in the cluster.
Arguments	String	No	10056	The parameters that follow the nodetool command.

Response parameters

Parameter	Type	Example	Description
RequestId	String	DCF0CD20-0F85-4FD2-8F75-73636D1331F7	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=ExecuteNodeTool
&ClusterId=cds-3872l6py****n4u1
&Command=settimeout misc
&DataCenterId=cn-shanghai-f
&<Common request parameters>
```

Sample success responses

XML format

```
<ExecuteNodeToolResponse>
  <RequestId>DCF0CD20-0F85-4FD2-8F75-73636D1331F7</RequestId>
</ExecuteNodeToolResponse>
```

JSON format

```
{
  "RequestId": "DCF0CD20-0F85-4FD2-8F75-73636D1331F7"
}
```

Error codes

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

7.3 DeleteNodeToolExecutionHistory

You can call this operation to delete the execution history of the nodetool command.

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
Action	String	Yes	DeleteNodeToolExecutionHistory	The operation that you want to perform. Set the value to DeleteNodeToolExecutionHistory.
ClusterId	String	Yes	cds-3872l6py****n4ug	The ID of the cluster.
DataCenterId	String	Yes	cn-shanghai-f	The ID of the data center in the cluster.
JobId	String	Yes	job-QdKa51s****U0gHf	The ID of the job.

Response parameters

Parameter	Type	Example	Description
RequestId	String	D72B6BAC-BB95-48DA-99A9-A9903CD02498	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DeleteNodeToolExecutionHistory
&ClusterId=cds-3872l6py****n4ug
&DataCenterId=cn-shanghai-f
&JobId=job-QdKa51s****U0gHf
&<Common request parameters>
```

Sample success responses

XML format

```
<DeleteNodeToolExecutionHistoryResponse>
  <RequestId>D72B6BAC-BB95-48DA-99A9-A9903CD02498</RequestId>
</DeleteNodeToolExecutionHistoryResponse>
```

JSON format

```
{
  "RequestId": "D72B6BAC-BB95-48DA-99A9-A9903CD02498"
}
```

Error codes

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

8 Parameter management

8.1 DescribeParameterModificationHistories

You can call this operation to view the modification records of a parameter.

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
Action	String	Yes	DescribeParameterModificationHistories	The operation that you want to perform. Set the value to DescribeParameterModificationHistories.
ClusterId	String	Yes	cds-bp18si70****10s2	The ID of the cluster.
PageNumber	Integer	No	1	The number of the page to return. Valid values: any positive integer. Default value: 1.
PageSize	Integer	No	10	The number of entries to return on each page.

Response parameters

Parameter	Type	Example	Description
Histories	Array		The collection of parameter modification records.
History			

Parameter	Type	Example	Description
Parameter	String	cas_contention_timeout_in_ms	The name of the parameter.
NewValue	String	2000	The new value of the parameter.
OldValue	String	1000	The original value of the parameter.
Time	Long	1576758805000	The time when the parameter value was changed.
PageNumber	Integer	1	The page number of the returned page. Valid values: any positive integer. Default value: 1.
PageSize	Integer	10	The number of entries returned per page.
RequestId	String	OCD8CFEE-879B-42FF-BCE5-A339C36E77DF	The ID of the request.
TotalCount	Long	18	The total number of entries returned.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeParameterModificationHistories
&ClusterId=cds-bp18si70****10s2
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeParameterModificationHistoriesResponse>
  <Histories>
    <History>
      <Name>cas_contention_timeout_in_ms</Name>
      <Time>1576758805000</Time>
      <NewValue>1100</NewValue>
      <OldValue>1000</OldValue>
```

```

</History>
<History>
  <Name>cas_contention_timeout_in_ms</Name>
  <Time>1576759085000</Time>
  <NewValue>1000</NewValue>
  <OldValue>1100</OldValue>
</History>
</Histories>
<PageNumber>1</PageNumber>
<TotalCount>2</TotalCount>
<PageSize>10</PageSize>
<RequestId>0CD8CFEE-879B-42FF-BCE5-A339C36E77DF</RequestId>
</DescribeParameterModificationHistoriesResponse>

```

JSON format

```

{
  "Histories": {
    "History": [
      {
        "Name": "cas_contention_timeout_in_ms",
        "Time": 1576758805000,
        "NewValue": "1100",
        "OldValue": "1000"
      },
      {
        "Name": "cas_contention_timeout_in_ms",
        "Time": 1576759085000,
        "NewValue": "1000",
        "OldValue": "1100"
      }
    ]
  },
  "PageNumber": 1,
  "TotalCount": 2,
  "PageSize": 10,
  "RequestId": "0CD8CFEE-879B-42FF-BCE5-A339C36E77DF"
}

```

Error codes

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

8.2 ModifyParameter

You can call this operation to modify the parameter in the parameter settings.

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
Action	String	Yes	ModifyParameter	The operation that you want to perform. Set the value to ModifyParameter.
ClusterId	String	Yes	cds-bp1l5ys6****wzr5	The ID of the cluster.
Name	String	Yes	cas_contention_timeout_in_ms	The name of the parameter.
Value	String	Yes	2000	The value of the parameter.

Response parameters

Parameter	Type	Example	Description
RequestId	String	BC262FE3-91ED-4FE7-BD75-190B62D8BABC	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=ModifyParameter
&ClusterId=cds-bp1l5ys6****wzr5
&Name=cas_contention_timeout_in_ms
&Value=2000
&<Common request parameters>
```

Sample success responses

XML format

```
<ModifyParameterResponse>
  <RequestId>BC262FE3-91ED-4FE7-BD75-190B62D8BABC</RequestId>
</ModifyParameterResponse>
```

JSON format

```
{
  "RequestId": "BC262FE3-91ED-4FE7-BD75-190B62D8BABC"
```

}

Error codes

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

8.3 DescribeParameters

You can call this operation to query all parameters in the parameter settings.

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
Action	String	Yes	DescribeParameters	The operation that you want to perform. Set the value to DescribeParameters.
ClusterId	String	Yes	cds-j6c1zj8****994s	The ID of the cluster.
PageNumber	Integer	No	1	The number of the page to return. Valid values: any positive integer. Default value: 1.
PageSize	Integer	No	10	The number of entries to return on each page. Default value: 10.

Response parameters

Parameter	Type	Example	Description
PageNumber	Integer	1	The page number of the returned page. Valid values: any positive integer. Default value: 1.
PageSize	Integer	10	The number of entries returned per page.
Parameters	Array		The list of parameters.
Parameter			
AllowedValues	String	R[1000, 60000]	The range of the values.
DataType	String	INT	The type of the parameter.
DefaultValue	String	1000	The default value of the parameter.
Description	String	How long the coordinator should wait for seq or index scans to complete.	The description of the parameter.
Parameter	String	range_request_timeout_in_ms	The name of the parameter.
Value	String	1000	The value that is being used.
RequestId	String	863163EC-69DA-41B3-AB78-37C123114307	The ID of the request.
TotalCount	Long	9	The total number of entries returned.

Examples

Sample requests

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

```
&ClusterId=cds-j6c1zij8****994s
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeParametersResponse>
  <Parameters>
    <Parameter>
      <Name>cas_contention_timeout_in_ms</Name>
      <Description>How long a coordinator should continue to retry a CAS operation
that contends with other proposals for the same row. </Description>
      <AllowedValues>R[1000, 60000]</AllowedValues>
      <Value>1000</Value>
      <DataType>INT</DataType>
      <DefaultValue>1000</DefaultValue>
    </Parameter>
    <Parameter>
      <Name>counter_write_request_timeout_in_ms</Name>
      <Description>How long the coordinator should wait for counter writes to
complete. </Description>
      <AllowedValues>R[1000, 60000]</AllowedValues>
      <Value>5000</Value>
      <DataType>INT</DataType>
      <DefaultValue>5000</DefaultValue>
    </Parameter>
    <Parameter>
      <Name>enable_materialized_views</Name>
      <Description>Enables materialized view creation on this node. </Description>
      <AllowedValues>G[true|false]</AllowedValues>
      <Value>true</Value>
      <DataType>STR</DataType>
      <DefaultValue>true</DefaultValue>
    </Parameter>
    <Parameter>
      <Name>enable_sasi_indexes</Name>
      <Description>Enables SASI index creation on this node. </Description>
      <AllowedValues>G[true|false]</AllowedValues>
      <Value>true</Value>
      <DataType>STR</DataType>
      <DefaultValue>true</DefaultValue>
    </Parameter>
    <Parameter>
      <Name>range_request_timeout_in_ms</Name>
      <Description>How long the coordinator should wait for seq or index scans to
complete. </Description>
      <AllowedValues>R[1000, 60000]</AllowedValues>
      <Value>10000</Value>
      <DataType>INT</DataType>
      <DefaultValue>10000</DefaultValue>
    </Parameter>
    <Parameter>
      <Name>read_request_timeout_in_ms</Name>
      <Description>How long the coordinator should wait for read operations to
complete. </Description>
      <AllowedValues>R[1000, 60000]</AllowedValues>
      <Value>5000</Value>
      <DataType>INT</DataType>
      <DefaultValue>5000</DefaultValue>
    </Parameter>
  </Parameters>
</DescribeParametersResponse>
```

```

    <Name>request_timeout_in_ms</Name>
    <Description>The default timeout for other, miscellaneous operations. </
Description>
    <AllowedValues>R[1000, 60000]</AllowedValues>
    <Value>10000</Value>
    <DataType>INT</DataType>
    <DefaultValue>10000</DefaultValue>
  </Parameter>
  <Parameter>
    <Name>truncate_request_timeout_in_ms</Name>
    <Description>How long the coordinator should wait for truncates to complete. </
Description>
    <AllowedValues>R[1000, 60000]</AllowedValues>
    <Value>60000</Value>
    <DataType>INT</DataType>
    <DefaultValue>60000</DefaultValue>
  </Parameter>
  <Parameter>
    <Name>write_request_timeout_in_ms</Name>
    <Description>How long the coordinator should wait for writes to complete. </
Description>
    <AllowedValues>R[1000, 60000]</AllowedValues>
    <Value>2000</Value>
    <DataType>INT</DataType>
    <DefaultValue>2000</DefaultValue>
  </Parameter>
</Parameters>
<PageNumber>1</PageNumber>
<TotalCount>9</TotalCount>
<PageSize>10</PageSize>
<RequestId>863163EC-69DA-41B3-AB78-37C123114307</RequestId>
</DescribeParametersResponse>

```

JSON format

```

{
  "Parameters": {
    "Parameter": [
      {
        "Name": "cas_contention_timeout_in_ms",
        "Description": "How long a coordinator should continue to retry a CAS operation that
contains with other proposals for the same row.",
        "AllowedValues": "R[1000, 60000]",
        "Value": "1000",
        "DataType": "INT",
        "DefaultValue": "1000"
      },
      {
        "Name": "counter_write_request_timeout_in_ms",
        "Description": "How long the coordinator should wait for counter writes to complete
.",
        "AllowedValues": "R[1000, 60000]",
        "Value": "5000",
        "DataType": "INT",
        "DefaultValue": "5000"
      },
      {
        "Name": "enable_materialized_views",
        "Description": "Enables materialized view creation on this node.",
        "AllowedValues": "G[true|false]",
        "Value": "true",
        "DataType": "STR",
        "DefaultValue": "true"
      }
    ]
  }
}

```

```

    },
    {
      "Name": "enable_sasi_indexes",
      "Description": "Enables SASI index creation on this node.",
      "AllowedValues": "G[true|false]",
      "Value": "true",
      "DataType": "STR",
      "DefaultValue": "true"
    },
    {
      "Name": "range_request_timeout_in_ms",
      "Description": "How long the coordinator should wait for seq or index scans to complete.",
      "AllowedValues": "R[1000, 60000]",
      "Value": "10000",
      "DataType": "INT",
      "DefaultValue": "10000"
    },
    {
      "Name": "read_request_timeout_in_ms",
      "Description": "How long the coordinator should wait for read operations to complete.",
      "AllowedValues": "R[1000, 60000]",
      "Value": "5000",
      "DataType": "INT",
      "DefaultValue": "5000"
    },
    {
      "Name": "request_timeout_in_ms",
      "Description": "The default timeout for other, miscellaneous operations.",
      "AllowedValues": "R[1000, 60000]",
      "Value": "10000",
      "DataType": "INT",
      "DefaultValue": "10000"
    },
    {
      "Name": "truncate_request_timeout_in_ms",
      "Description": "How long the coordinator should wait for truncates to complete.",
      "AllowedValues": "R[1000, 60000]",
      "Value": "60000",
      "DataType": "INT",
      "DefaultValue": "60000"
    },
    {
      "Name": "write_request_timeout_in_ms",
      "Description": "How long the coordinator should wait for writes to complete.",
      "AllowedValues": "R[1000, 60000]",
      "Value": "2000",
      "DataType": "INT",
      "DefaultValue": "2000"
    }
  ],
  "PageNumber": 1,
  "TotalCount": 9,
  "PageSize": 10,
  "RequestId": "863163EC-69DA-41B3-AB78-37C123114307"
}

```

Error codes

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

9 Dashboard management

9.1 DescribeClusterDashboard

You can call this operation to query dashboard data.

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
Action	String	Yes	DescribeClusterDashboard	The operation that you want to perform. Set the value to DescribeClusterDashboard.
ClusterId	String	Yes	cds-bp14****135h	The ID of the cluster.

Response parameters

Parameter	Type	Example	Description
Dashboard	Struct		The collection of dashboard data.
ClusterId	String	cds-bp1syjlt****q976	The ID of the cluster.
DataCenters	Array		The list of data centers.
DataCenter			
DataCenterId	String	cn-shanghai-e	The ID of the data center in the cluster.
Nodes	Array		The collection of nodes.
Node			

Parameter	Type	Example	Description
Address	String	192.***.12.3	The IP address of the instance.
Load	String	54.4 MiB	The load of the instance.
Status	String	UpNormal	<p>The current status of the node. Valid values:</p> <ul style="list-style-type: none"> UpNormal: The node is running and is normal in the cluster. UpLeaving: The node is running and is disconnected in the cluster. UpJoining: The node is running and is connected in the cluster. UpMoving: The node is running and is removed in the cluster. DownNormal: The node stops running and is normal in the cluster. DownLeaving: The node stops running and is disconnected in the cluster. DownJoining: The node stops running and is connected in the cluster. DownMoving: The node stops running and is removed from the cluster. <p>Note that if "?N" appears, nodes may be disconnected from each other. Check the network or firewall.</p>
RequestId	String	9339F598-0560-43CE-9F57-CD7B6B385DBB	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeClusterDashboard
&ClusterId=cds-bp14****135h
```


<Common request parameters>

Sample success responses

XML format

```
<DescribeClusterDashboardResponse>
  <RequestId>9339F598-0560-43CE-9F57-CD7B6B385DBB</RequestId>
  <Dashboard>
    <DataCenters>
      <DataCenter>
        <DataCenterId>cn-shanghai-e</DataCenterId>
        <Nodes>
          <Node>
            <Status>UpNormal</Status>
            <Load>54.4 MiB</Load>
            <Address>192. ***.0.208</Address>
          </Node>
          <Node>
            <Status>UpNormal</Status>
            <Load>49.99 MiB</Load>
            <Address>192. ***.0.209</Address>
          </Node>
          <Node>
            <Status>UpNormal</Status>
            <Load>37.8 MiB</Load>
            <Address>192. ***.0.211</Address>
          </Node>
        </Nodes>
      </DataCenter>
    </DataCenters>
    <ClusterId>cds-uf6m0bod4***6159</ClusterId>
  </Dashboard>
</DescribeClusterDashboardResponse>
```

JSON format

```
{
  "RequestId": "9339F598-0560-43CE-9F57-CD7B6B385DBB",
  "Dashboard": {
    "DataCenters": {
      "DataCenter": [
        {
          "DataCenterId": "cn-shanghai-e",
          "Nodes": {
            "Node": [
              {
                "Status": "UpNormal",
                "Load": "54.4 MiB",
                "Address": "192. ***.0.208"
              },
              {
                "Status": "UpNormal",
                "Load": "49.99 MiB",
                "Address": "192. ***.0.209"
              },
              {
                "Status": "UpNormal",
                "Load": "37.8 MiB",
                "Address": "192. ***.0.211"
              }
            ]
          }
        }
      ]
    }
  }
}
```

```
    ]
  }
}
]
},
"ClusterId": "cds-uf6m0bod4***6159"
}
}
```

Error codes

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

10 Tag management

10.1 ListTagResources

You can call this operation to query a list of tags based on resource IDs or tags. When you specify tags, you can either specify keys of tags or specify keys and values of tags.

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
Action	String	Yes	ListTagResources	The operation that you want to perform. Set the value to ListTagResources.
RegionId	String	Yes	cn-hangzhou	The ID of the region.
ResourceId.N	RepeatList	No	cds-wz9p9ccq ****92as	The ID of resource N. Set the value to the cluster ID. You can query multiple resources. You can specify the parameter name in the format such as ResourceId.2 and ResourceId.3. N is a positive integer.
Tag.N.Key	String	No	key1	The key of tag N that you want to query. You can specify multiple tag keys. N is a positive integer.

Parameter	Type	Required	Example	Description
Tag.N.Value	String	No	value1	The value of tag N. You can specify multiple tag values. N is a positive integer.
NextToken	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
NextToken	String	1d2db86sca 4384811e0b 5e8707e68181f	The token used to query the next page . If the NextToken value is null, the system has read all data.
RequestId	String	74F02441-9A8D -48F6-933F- E317AEB28DBF	The ID of the request.
TagResources	Array		The information of the tag resources.
TagResource			
ResourceId	String	cds-wz9p9ccq**** 92as	The ID of the resource.
ResourceType	String	ALIYUN:: CASSANDRA:: CLUSTER	The type of the resource.
TagKey	String	k1	The key of the tag.
TagValue	String	v1	The value of the tag.

Examples

Sample requests

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

&<Common request parameters>

Sample success responses

XML format

```
<RequestId>74F02441-9A8D-48F6-933F-E317AEB28DBF</RequestId>
<NextToken>1d2db86sca4384811e0b5e8707e68181f</NextToken>
<TagResources>
  <TagResource>
    <ResourceId>cds-wz9p9ccq****92as</ResourceId>
    <TagKey>k1</TagKey>
    <ResourceType>ALIYUN::CASSANDRA::CLUSTER</ResourceType>
    <TagValue>v1</TagValue>
  </TagResource>
</TagResources>
```

JSON format

```
{"RequestId":"74F02441-9A8D-48F6-933F-E317AEB28DBF","NextToken":"1d2db86sca
4384811e0b5e8707e68181f","TagResources":{"TagResource":[{"ResourceId":"cds-
wz9p9ccq****92as","TagKey":"k1","ResourceType":"ALIYUN::CASSANDRA::CLUSTER",
"TagValue":"v1"}]}}
```

Error codes

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

10.2 ListTags

You can call this operation to query all tags in a 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
Action	String	Yes	ListTags	The operation that you want to perform. Set the value to ListTags.
RegionId	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.
Tag			
TagKey	String	k1	The key of the tag.
TagValue	String	v2	The value of the tag that is bound to the resource.

Examples

Sample requests

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

Sample success responses

XML format

```
<ListTagsResponse>
  <Tags>
    <Tag>
      <TagValue></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>
</ListTagsResponse>
```

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](#).

10.3 UnTagResources

You can call this operation to remove tags from specific resources. 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
Action	String	Yes	UnTagResources	The operation that you want to perform. Set the value to UnTagResources.
RegionId	String	Yes	cn-shenzhen	The ID of the region.
ResourceId.N	RepeatList	Yes	cds-wz92o754 ****7779	The ID of resource N whose tags are to remove. Set the value to the cluster ID. You can specify multiple resource IDs. You can specify the parameter names in the format such as ResourceId.2 and ResourceId.3. N is a positive integer.
TagKey.N	RepeatList	No	key	The key of tag N to delete. You can specify multiple tag keys. You can specify the parameter names in the format such as TagKey.2 and TagKey.3. N is a positive integer.
All	Boolean	No	true	Specifies whether to remove all tags. If the TagKey parameter is specified, all tags related to the specified tag key are removed. Valid values: true and false. If the parameter is true and the TagKey parameter is not specified, all tags are removed.

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-shenzhen
&ResourceId.1=cds-wz92o754****7779
&<Common request parameters>
```

Sample success responses

XML format

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

JSON format

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

Error codes

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

10.4 TagResources

You can call this operation to add a tag to an 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
Action	String	Yes	TagResources	The operation that you want to perform. Set the value to TagResources.
RegionId	String	Yes	cn-shenzhen	The ID of the region.
ResourceId.N	RepeatList	Yes	cds-wz92o754****7779	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 such as ResourceId.2 and ResourceId.3 . This operation can add tags to all specified resources. N is a positive integer.
Tag.N.Key	String	No	k1	The key of tag N. N is a positive integer.
Tag.N.Value	String	No	v1	The value of tag N.

Response parameters

Parameter	Type	Example	Description
RequestId	String	2656FA19-6059-40C8-A157-3FFBEAEC2369	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=TagResources
&RegionId=cn-shenzhen
&ResourceId.1=cds-wz92o754****7779
&<Common request parameters>
```

Sample success responses

XML format

```
<TagResourcesResponse>  
  <RequestId>2656FA19-6059-40C8-A157-3FFBEAEC2369</RequestId>  
</TagResourcesResponse>
```

JSON format

```
{"RequestId":"2656FA19-6059-40C8-A157-3FFBEAEC2369"}
```

Error codes

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