

Alibaba Cloud

Blockchain as a Service API Reference

Document Version: 20220601

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Document conventions

Style	Description	Example
 Danger	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.
 Warning	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.
 Notice	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.
 Note	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 .
<code>Courier font</code>	Courier font is used for commands	Run the <code>cd /d C:/window</code> command to enter the Windows system folder.
<i>Italic</i>	Italic formatting is used for parameters and variables.	<code>bae log list --instanceid</code> <i>Instance_ID</i>
[] or [a b]	This format is used for an optional value, where only one item can be selected.	<code>ipconfig [-all -t]</code>
{ } or {a b}	This format is used for a required value, where only one item can be selected.	<code>switch {active stand}</code>

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1.API overview

BaaS provides the following API operations.

Hyperledger Fabric

Operation	Description
DescribeRootDomain	Queries the available root domains in BaaS.
DescribeFabricConsortiumConfig	Obtains the value options of the parameters for the CreateConsortium operation.
DescribeFabricConsortiumSpecs	Queries consortium specifications that BaaS provides.
DescribeFabricConsortiumOrderers	Queries the orderers of a consortium.
AcceptFabricInvitation	Accepts the invitation to join a consortium.
JoinFabricChannel	Confirms to join a channel.
DescribeFabricInviter	Obtains the information of the inviter.
DescribeFabricChannelMembers	Queries the members in the channel.
CreateFabricChaincode	Creates a chaincode
DescribeFabricOrganizations	Obtains a list of organizations.
DescribeFabricCandidateOrganizations	Queries the organizations that receive the invitation.
DescribeFabricChaincodeUploadPolicy	Obtains the policy that is used to upload the chaincode.
ConfirmFabricConsortiumMember	Confirms the joining application submitted by the consortium members.
DescribeFabricOrganizationChaincodes	Obtains the chaincodes of the organization.
DescribeFabricConsortiumMembers	Queries the organizations of the consortium.
DescribeFabricConsortiumAdminStatus	Queries the management status information of the consortium.
InstallFabricChaincode	Installs a chaincode.
CheckFabricConsortiumDomain	Checks whether the domain name of the consortium is available.
DescribeFabricOrganizationPeers	Obtains the peer nodes of the organization.
DescribeFabricConsortiumMemberApproval	Queries the detailed approvals information of the consortium members.
SynchronizeFabricChaincode	Synchronizes the upgrade and the instantiation status of a chaincode.
DescribeFabricOrganizationDeletable	Queries whether an organization can be deleted.
DescribeFabricOrganizationChannels	Obtains the list of channels that the organization has joined.
DescribeFabricConsortiums	Obtains the consortium list.

Operation	Description
DescribeFabricConsortiumDeletable	Queries whether a consortium can be deleted.
CreateFabricChannelMember	Adds other organizations to the channel.
CreateFabricConsortiumMember	Creates a proposal for organizations to join the consortium.
DescribeFabricConsortiumChaincodes	Queries the chaincodes of a consortium.
DeleteFabricChaincode	Deletes chaincodes in error status.
DownloadFabricOrganizationSDK	Downloads the SDK.
ResetFabricOrganizationUserPassword	Resets the user password.
DescribeFabricOrganizationMembers	Obtains the consortium that the organization has joined and the consortium members.
CheckFabricOrganizationDomain	Checks whether the domain name is valid.
CreateFabricChannel	Creates a channel.
CreateFabricConsortium	Creates a consortium.
DescribeFabricOrganization	Queries the details of an organization.
UpgradeFabricChaincode	Upgrades a chaincode.
InstantiateFabricChaincode	Instantiates a chaincode.
DescribeFabricConsortiumChannels	Queries the channels of a consortium.
DescribeFabricOrganizationUsers	Obtains the users of an organization.
CreateFabricOrganization	Creates an organization.
CreateFabricOrganizationUser	Creates a user in an organization.
DescribeFabricInvitationCode	Generates the invitation information of the consortium.
DescribeFabricOrganizationSpecs	Queries organization specifications that BaaS provides.
DescribeFabricOrdererLogs	Queries the logs of an orderer node.
DescribeFabricExplorer	Views the ledger information.
DescribeFabricPeerLogs	Obtains the logs of a peer node.

2.Call APIs

The blockchain service API is called by sending an HTTP request to the blockchain service server address. You need to set parameters in the request refer to the API description, and the system responds according to the parameters after the calling. Both the request and the response are encoded in UTF-8 character set.

Request syntax

The APIs of the blockchain service are in the RPC style. You can call the Blockchain service by sending an HTTP POST request.

The request syntax is as follows:

```
http://Endpoint/?Action=xx&Parameters
```

where,

- Endpoint: The endpoint of BaaS APIs is *baas.aliyuncs.com*.
- Action: The operation to be executed, such as calling DescribeFabricOrganization Interface to view the details of one organization.
- Version: The version of the API. The version of BaaS APIs is *2018-12-21*.
- Parameters: Request parameters that are separated with ampersands (&).

Request parameters consist of common parameters and API-specific parameters. Common parameters include variables such as the API version and identity authentication information. For more information, see [Common parameters](#).

The following example is calling DescribeFabricOrganization interface to query the blockchain organization that has been created:

 **Note** The following code has been edited to ease readability.

```
https://baas.aliyuncs.com/?Action=DescribeFabricOrganization
&Format=xml
&Version=2018-12-21
&Signature=xxxx%xxxx%3D
&SignatureMethod=HMAC-SHA1
&SignatureNonce=15215528852396
&SignatureVersion=1.0
&AccessKeyId=key-test
&Timestamp=2012-06-01T12:00:00Z
...
```

3. Sign signatures

To ensure the security of your API, Alibaba Cloud uses the signature in the request to verify the identity of the person who calls the API. When you call an API by using HTTP or HTTPS, the request must include the signature information.

Overview

For an RPC API, you must add the signature to the API request in the following format:

```
https://Endpoint/?SignatureVersion=1.0&SignatureMethod=HMAC-SHA1&Signature=CT9X0VtwR86fNWSnsc6v8YGOjuE%3D&SignatureNonce=3ee8c1b8-83d3-44af-a94f-4e0ad82fd6cf
```

The following information is displayed:

- **SignatureMethod:** The hash method used to calculate the signature. HMAC-SHA1 is supported.
- **SignatureVersion:** The version of the signature. The current version is 1.0.
- **SignatureNonce:** A unique random number. This parameter is used to prevent replay attacks. You must use different random numbers for different requests. We recommend that you use universally unique identifiers (UUIDs).
- **Signature:** The signature generated after the request has been symmetrically encrypted by using the AccessKey Secret.

Signature method

The authorization algorithm follows the RFC 2104 and HMAC-SHA1 rules. The calculated HMAC value is the signature. Different APIs contain different parameters, which result in different HMAC signatures.

```
Signature = Base64( HMAC-SHA1( AccessSecret, UTF-8-Encoding-Of( StringToSign)) )
```

To calculate the signature, perform the following operations:

1. **Construct the string to be signed**

- i. Use the request parameters to construct a canonicalized query string.
 - a. Sort all request parameters (including the common request parameters and user-defined parameters for the given request interfaces described in this document, excluding the Signature parameter mentioned in common request parameters) alphabetically by the parameter name.

When you use the GET method to submit a request, the request parameters are included as a part of the URI. The request parameters in the URI are placed after a question mark (?) and separated by ampersands (&).

- b. Parameter names and values in the request URL must be encoded in UTF-8. The encoding rules are as follows:

- For A-Z, a-z, 0-9, hyphen (-), underscore (_), period (.), and tilde (~).
- Other characters are encoded in the `%XY` format, where `XY` is the hexadecimal representation of the character in ASCII. For example, double quotation marks (") are encoded as `%22`.
- Extended UTF-8 characters are encoded in the `%XY%ZA...` format.
- Encode the space as `%20` rather than the plus sign (+).

This encoding method is similar to but different from the `application/x-www-form-urlencoded` MIME encoding algorithm (such as the `java.net.URLEncoder` class provided by the Java standard library). You can use this encoding method directly by replacing the plus sign (+) in the encoded string with `%20`, the asterisk (*) with `%2A`, and `%7E` with the tilde (~) to conform to the encoding rules described above. You can use the following `percentEncode` method to implement this algorithm.

```
private static final String ENCODING = "UTF-8";
private static String percentEncode(String value) throws UnsupportedOperationException
{
    return value != null ? URLEncoder.encode(value, ENCODING).replace("+", "%20").replace("
", "%2A").replace("%7E", "~") : null;
}
```

- Connect the encoded parameter names and their values with equal signs (=) separately.
 - Sort the parameter name and value pairs connected by the equal signs in the order specified in Sort parameters and connect the pairs with ampersands (&) to produce the canonicalized query string.
- ii. Use the canonicalized query string to construct the string for signature calculation based on the following rules:

```
StringToSign=
    HTTPMethod + "&" +
    percentEncode("/") + "&" +
    percentEncode(CanonicalizedQueryString)
```

In the preceding rules,

- `HTTPMethod` indicates that an HTTP request such as GET is submitted.
- `percentEncode( "/" )` is the value (namely %2F) as the result of encoding the slash sign (/) according to the URL encoding rule described in step 1.1.
- `percentEncode(CanonicalizedQueryString)` is the string from the canonicalized query string encoded according to the URL encoding rules described in Encode parameters.

2. Signature method

- i. Calculate the HMAC value of the StringToSign based on RFC 2104.

 **Note** The key used for signature calculation is your AccessKey Secret followed by an ampersand (&) (ASCII code 38). The algorithm used to calculate your signature is HMAC-SHA1.

- ii. Encode the HMAC value into a string based on the Base64 encoding rules. This encoded string is the signature value.
- iii. Add the obtained signature value to the request parameters as the Signature parameter to sign the request.

 **Note** When the obtained signature value is submitted as the last parameter value, you need to encode the URL in the same way as other parameters by following the [RFC3986](#) rule.

Examples

Example: Take the DescribeFabricOrganization operation as an example. The `AccessKey ID` is `testid`, and the `AccessKey Secret` is `testsecret`. Before the request is signed, its URL is as follows:

```
http://baas.aliyuncs.com/?Action=DescribeFabricOrganization&Timestamp=2018-12-23T12:46:24Z&Format=XML&AccessKeyId=testid&SignatureMethod=HMAC-SHA1&SignatureNonce=3ee8c1b8-83d3-44af-a94f-4e0ad82fd6cf&Version=2018-12-21&SignatureVersion=1.0
```

The signature string calculated by using `testsecret&` is as follows:

```
OLeaidS1JvxuMvnyH0wuJ+uX5qY=
```

Add the Signature parameter to the request and set the value to the calculated signature string. The URL of the signed request is as follows:

```
http://baas.aliyuncs.com/?Action=DescribeFabricOrganization&Timestamp=2018-12-23T12:46:24Z&Format=XML&AccessKeyId=testid&SignatureMethod=HMAC-SHA1&SignatureNonce=3ee8c1b8-83d3-44af-a94f-4e0ad82fd6cf&Version=2018-12-21&SignatureVersion=1.0&Signature=VyBL52idtt+oImX0NZC+2ngk15Q=
```

4.Common parameters

This topic describes the request parameters and response parameters that each operation uses.

Common request parameters

Common request parameters

Parameter	Type	Required	Description
Format	String	No	The format of the response. Valid value (default): <i>JSON (default) / XML</i>
Version	String	Yes	The version number of the API, in the format of YYYY-MM-DD. Valid values: <i>2018-12-21</i>
AccessKeyId	String	Yes	The AccessKey ID of your Alibaba Cloud account that is used to access SSL Certificates Service.
Signature	String	Yes	The signature string of the current request.
SignatureMethod	String	Yes	The algorithm used to create the request signature. Valid value: <i>HMAC-SHA1</i> .
Timestamp	String	Yes	The timestamp when the request is signed. Specify the time in the ISO 8601 standard in the YYYY-MM-DDThh:mm:ssZ format. For example, 2013-01-10T12:00:00Z.
SignatureVersion	String	Yes	The signature version to use. Valid value: <i>1.0</i> .
SignatureNonce	String	Yes	A unique and randomly generated number used to prevent replay attacks. Users must use different numbers for different requests.
ResourceOwnerAccount	String	No	The name of the account that owns the resource to be accessed through this API request, that is, the name of the logged user.

Examples

```
http://baas.aliyuncs.com/?Action=DescribeFabricOrganization
&TimeStamp=2018-12-21T10%3A33%3A56Z
&Format=xml
&AccessKeyId=testid
&SignatureMethod=Hmac-SHA1
&SignatureNonce=NwDAxvLU6tFE0DVb
&Version=2018-12-21
&SignatureVersion=1.0
&Signature=Signature
```

Common response parameters

Response data can be returned in either the JSON or XML format. You can specify the response format in the request. The default response format is JSON. Every response has a unique RequestId regardless of whether the call is successful or not.

- An HTTP status code of `2xx` indicates a successful call.
- An HTTP status code of `4xx` or `5xx` indicates a failed call.

Sample responses

- XML format

```
<? xml version="1.0" encoding="utf-8"? >
  <!--Response root node-->
  <API operation name+response>
    <!--Request ID-->
    <RequestId>4C467B38-3910-447D-87BC-AC049166F216</RequestId>
    <!--Responses-->
  </API operation name+response>
```

- JSON format

```
{
  "RequestId": "4C467B38-3910-447D-87BC-AC049166F216",
  /*Responses*/
}
```

5. Hyperledger Fabric RAM authentication

Before you call the BaaS API as a RAM user, you must grant the RAM user corresponding permissions by using your Alibaba Cloud account. In the authorization policy, an Alibaba Cloud Resource Name (ARN) is used as the unique identifier of the resource to authorize.

This topic describes how to use Alibaba Cloud Resource Names (ARN) in BaaS to authenticate users or user groups, grant RAM user accounts access to resources, and implement access authorization across cloud services. Make sure that you have read the [RAM documentation](#) and [RAM API reference](#) carefully before you use RAM to authorize the access to BaaS.

Hyperledger Fabric API operations

The following table describes the ARN format for different types of Hyperledger Fabric resources.

Resource type	ARN format
Consortium	acs:baas:\$regionId:\$accountId:consortium/\$consortiumId
Organization	acs:baas:\$regionId:\$accountId:organization/\$organizationId
Channel	acs:baas:*\$accountId:channel/\$channelId
Chaincode	acs:baas:*\$accountId:chaincode/\$chaincodeId

`$regionId` indicates the region ID of the resource. `$accountId` indicates the Alibaba Cloud Account ID of the resource owner. `$consortiumId/$organizationId/$channelId/$chaincodeId` indicates the of the resource in the blockchain service.

 **Note** The channel and chaincode are global resources, and their regions must be "".

Hyperledger Fabric API operations

The following table lists the default authorized API operations in the Hyperledger Fabric blockchain (RAM users and STS Token holders have default permissions).

API operation
CheckFabricConsortiumDomain
CheckFabricOrganizationDomain
DescribeTasks
DescribeRootDomain
DescribeFabricConsortiumConfig
DescribeFabricConsortiumSpecs
DescribeFabricOrganizationSpecs
DescribeFabricInviter
DescribeFabricChaincodeUploadPolicy

API operation
AcceptFabricInvitation

The following table lists Hyperledger Fabric API operations that can be authorized and the corresponding ARN formats.

API Operation	ARN format
CreateFabricOrganization	acs:baas:\$regionId:\$accountId:organization/*
DescribeFabricOrganization	acs:baas:\$regionId:\$accountId:organization/\$organizationId
DescribeFabricOrganizationDeletable	acs:baas:\$regionId:\$accountId:organization/\$organizationId
DescribeFabricOrganizations	acs:baas:*. \$accountId:organization/*
DescribeFabricCandidateOrganizations	acs:baas:*. \$accountId:organization/*
CreateFabricChannel	acs:baas:*. \$accountId:channel/* acs:baas:\$regionId:\$accountId:consortium/\$consortiumId
DescribeFabricOrganizationChannels	acs:baas:\$regionId:\$accountId:organization/\$organizationId
DescribeFabricConsortiumChannels	acs:baas:\$regionId:\$accountId:consortium/\$consortiumId
CreateFabricChannelMember	acs:baas:*. \$accountId:channel/\$channelId
DescribeFabricChannelMembers	acs:baas:*. \$accountId:channel/\$channelId
JoinFabricChannel	acs:baas:*. \$accountId:channel/\$channelId
CreateFabricConsortium	acs:baas:\$regionId:\$accountId:consortium/*
CreateFabricConsortiumMember	acs:baas:\$regionId:\$accountId:consortium/\$consortiumId
ConfirmFabricConsortiumMember	acs:baas:\$regionId:\$accountId:consortium/\$consortiumId
DescribeFabricOrganizationMembers	acs:baas:\$regionId:\$accountId:organization/\$organizationId
DescribeFabricOrganizationPeers	acs:baas:\$regionId:\$accountId:organization/\$organizationId
DescribeFabricConsortiums	acs:baas:*. \$accountId:consortium/*
DescribeFabricConsortiumAdminStatus	acs:baas:*. \$accountId:consortium/*
DescribeFabricConsortiumMembers	acs:baas:\$regionId:\$accountId:consortium/\$consortiumId
DescribeFabricConsortiumMemberApproval	acs:baas:\$regionId:\$accountId:consortium/\$consortiumId
DescribeFabricConsortiumOrderers	acs:baas:\$regionId:\$accountId:consortium/\$consortiumId
DescribeFabricConsortiumDeletable	acs:baas:\$regionId:\$accountId:consortium/\$consortiumId

API Operation	ARN format
CreateFabricChaincode	acs:baas:*: \$accountId:chaincode/* acs:baas:*: \$accountId:channel/\$channelId acs:baas:\$regionId:\$accountId:consortium/\$consortiumId acs:baas:\$regionId:\$accountId:organization/\$organizationId
DescribeFabricOrganizationChaincodes	acs:baas:\$regionId:\$accountId:organization/\$organizationId
DescribeFabricConsortiumChaincodes	acs:baas:\$regionId:\$accountId:consortium/\$consortiumId
DeleteFabricChaincode	acs:baas:*: \$accountId:chaincode/\$chaincodeId
InstallFabricChaincode	acs:baas:*: \$accountId:chaincode/\$chaincodeId acs:baas:\$regionId:\$accountId:organization/\$organizationId
InstantiateFabricChaincode	acs:baas:*: \$accountId:chaincode/\$chaincodeId acs:baas:\$regionId:\$accountId:organization/\$organizationId
UpgradeFabricChaincode	acs:baas:*: \$accountId:chaincode/\$chaincodeId acs:baas:\$regionId:\$accountId:organization/\$organizationId
SynchronizeFabricChaincode	acs:baas:*: \$accountId:chaincode/\$chaincodeId acs:baas:\$regionId:\$accountId:organization/\$organizationId
CreateFabricOrganizationUser	acs:baas:\$regionId:\$accountId:organization/\$organizationId
DescribeFabricOrganizationUsers	acs:baas:\$regionId:\$accountId:organization/\$organizationId
ResetFabricOrganizationUserPassword	acs:baas:\$regionId:\$accountId:organization/\$organizationId
DownloadFabricOrganizationSDK	acs:baas:\$regionId:\$accountId:organization/\$organizationId
DescribeFabricInvitationCode	acs:baas:\$regionId:\$accountId:consortium/\$consortiumId

Examples of Hyperledger Fabric RAM authorization rules

Example 1: Authorize BaaS to read-only operations. This type of permission allows the user to view the blockchain status through the console or API and download the SDK.

```
{
  "Statement": [{
    "Action": ["baas:Describe*", "baas:DownloadFabricOrganizationSDK"],
    "Effect": "Allow",
    "Resource": "acs:baas:*:*:*"
  }],
  "Version": "1"
}
```

Example 2: Authorize BaaS to chaincode management operations, including uploading, installing, and instantiating chaincodes. This type of permission allows the user to manage all chaincodes through the console or API.

```
{
  "Statement": [{
    "Action": "baas:*Chaincode",
    "Effect": "Allow",
    "Resource": ["acs:baas:*:*:chaincode/*", "acs:baas:*:*:organization/*", "acs:baas:*:*:consortium/*", "acs:baas:*:*:channel/*"]
  }],
  "Version": "1"
}
```

Example 3: Chaincode development authorization. This permission usually requires all read-type operations and chaincode management operations of specific organizations. Based on the principle of minimum permission, the user must be restricted only to create chaincodes for specific consortia, organizations, and channels, and install or instantiate chaincodes in specific organizations. Replace `$consortiumId/$organizationId/$channelId` with the ID of the specific resource in the blockchain service.

```
{
  "Statement": [{
    "Action": ["baas:Describe*", "baas:DownloadFabricOrganizationSDK"],
    "Effect": "Allow",
    "Resource": "acs:baas:*:*:*"
  },
  {
    "Action": "baas:*Chaincode",
    "Effect": "Allow",
    "Resource": ["acs:baas:*:*:chaincode/*", "acs:baas:*:*:organization/$organizationId", "acs:baas:*:*:consortium/$consortiumId", "acs:baas:*:*:channel/$channelId"]
  }],
  "Version": "1"
}
```

6. Obtain an AccessKey pair

You can create an AccessKey pair for your Alibaba Cloud account and RAM user account. When you call API operations, you must use the AccessKey pair to complete identity authentication.

Context

AccessKey includes AccessKey ID and AccessKey Secret.

- AccessKey ID is used to identify a user.
- AccessKey Secret is used to authenticate a user. AccessKey Secret must be kept confidential.

 **Warning** If the AccessKey information of your Alibaba Cloud account is disclosed, the security of your resources will be threatened. We recommend that you use your RAM user account to call operations. This reduces the risk of disclosing the AccessKey information of your Alibaba Cloud account.

Procedure

1. Log on to the [Alibaba Cloud console](#).
2. Place your pointer on the account icon in the upper-right corner of the page, and click **AccessKey**.
3. In the **Security Tips** dialog box that appears, select **Continue to manage AccessKey** or **Get Started with Sub Users' AccessKey**.
□
4. Obtain the AccessKey of an account.
 - Obtain the AccessKey of an account.
 - a. Click **Continue to manage AccessKey**.
 - b. On the **Security Management** page, click **Create Access Key**.
 - c. On the **Phone Verification** page, obtain the verification code, complete the verification process, and click **OK**.
 - d. In the **Create User AccessKey** dialog box that appears, show the **AccessKey Details** to view AccessKeyId and AccessKeySecret. Click **Save AccessKey Information**.
 - Create a RAM user and obtain the AccessKey
 - a. Click **Get started with the sub-user AccessKey**.
 - b. Go to the [RAM console](#) and create a RAM user on the **Create User** page. Skip this step if you have created a RAM user.
 - c. Go to the [RAM console](#) and in the left-side navigation pane, choose **Identities > Users**.
 - d. Find the target RAM user and click the user logon name. Then, click the **Authentication** tab. In the **Access Keys** section, click **Create AccessKey**.
 - e. On the **Phone Verification** page, obtain the verification code, complete the verification process, and click **OK**.
 - f. On the **Create AccessKey** page, view the AccessKeyId and AccessKeySecret. To download or save the AccessKey, click **Download CSV File** or **Copy**.

7. Ant Blockchain

7.1. CreateAntChainConsortium

You can call this operation to create a consortium in Ant Blockchain.

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
ConsortiumName	String	Yes	ConsortiumNameExample	The name of the consortium to create.
Action	String	No	CreateAntChainConsortium	The operation that you want to perform. Set the value to CreateAntChainConsortium.
ConsortiumDescription	String	No	ConsortiumDescriptionExample	The description of the consortium to create.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	87FAFC6B-E7AE-4626-B7F7-AE0B88E612D5	The ID of the request.
Result			The result of the operation.
ConsortiumId	String	A28nO1ow	The ID of the created consortium.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse": true,
  "requestId": "87FAFC6B-E7AE-4626-B7F7-AE0B88E612D5",
  "data": {
    "Result": {
      "ConsortiumId": "A28n01ow"
    },
    "RequestId": "87FAFC6B-E7AE-4626-B7F7-AE0B88E612D5"
  },
  "code": "200"
}
```

Error codes

7.2. DescribeAntChainConsortiums

You can call this operation to query the consortiums in Ant Blockchain.

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
PageNumber	Integer	Yes	1	The number of the page to return. Pages start from page 1.
PageSize	Integer	Yes	10	The number of entries to return on each page.
Action	String	No	DescribeAntChainConsortiums	The operation that you want to perform. Set the value to DescribeAntChainConsortiums.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	D68D66B6-1964-4073-8714-B49F5EF1AEFC	The ID of the request.
Result			The result of the operation.
AntConsortiums			The information about the consortiums in Ant Blockchain.

Parameter	Type	Example	Description
ChainNum	Long	1	The number of blockchains in the consortium.
ConsortiumDescription	String	ConsortiumDescriptionExample	The description of the consortium.
ConsortiumId	String	DV80njXq	The ID of the consortium.
ConsortiumName	String	ConsortiumNameExample	The name of the consortium.
CreateTime	Long	1562845453000	The time when the consortium was created.
MemberNum	Long	2	The number of members in the consortium.
Role	String	SuperAdmin	The role of the user who called this operation in the consortium.
Status	String	Active	The status of the consortium.
Pagination			The information about the pages that list the consortiums in Ant Blockchain.
PageNumber	Integer	1	The page number of the returned page.
PageSize	Integer	10	The number of entries returned per page.
TotalCount	Integer	1	The total number of returned entries.

Examples

Sample requests

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

Sample success responses

`XML` format

```
<xml version="1.0" encoding="UTF-8">
  <code>200</code>
  <data>
    <RequestId>D68D66B6-1964-4073-8714-B49F5EF1AEFC</RequestId>
    <Result>
      <Pagination>
        <TotalCount>1</TotalCount>
        <PageSize>10</PageSize>
        <PageNumber>1</PageNumber>
      </Pagination>
      <AntConsortiums>
        <Status>Active</Status>
        <Role>SuperAdmin</Role>
        <ConsortiumId>DV80nJXq</ConsortiumId>
        <ChainNum>1</ChainNum>
        <CreateTime>1562845453000</CreateTime>
        <ConsortiumDescription>ConsortiumDescriptionExample</ConsortiumDescription>
        <ConsortiumName>ConsortiumNameExample</ConsortiumName>
        <MemberNum>2</MemberNum>
      </AntConsortiums>
    </Result>
  </data>
  <requestId>D68D66B6-1964-4073-8714-B49F5EF1AEFC</requestId>
  <successResponse>true</successResponse>
</xml>
```

JSON **format**

```
{
  "successResponse": true,
  "requestId": "D68D66B6-1964-4073-8714-B49F5EF1AEFC",
  "data": {
    "Result": {
      "Pagination": {
        "PageNumber": 1,
        "TotalCount": 1,
        "PageSize": 10
      },
      "AntConsortiums": [
        {
          "ConsortiumName": "ConsortiumNameExample",
          "Status": "Active",
          "MemberNum": 2,
          "ChainNum": 1,
          "ConsortiumId": "DV80nJXq",
          "CreateTime": 1562845453000,
          "Role": "SuperAdmin",
          "ConsortiumDescription": "ConsortiumDescriptionExample"
        }
      ]
    },
    "RequestId": "D68D66B6-1964-4073-8714-B49F5EF1AEFC"
  },
  "code": "200"
}
```

Error codes

7.3. UpdateAntChainConsortium

You can call this operation to update a consortium in Ant Blockchain.

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
ConsortiumDescription	String	Yes	ConsortiumDescriptionExample	The new description for the consortium.
ConsortiumId	String	Yes	q0oWq92P	The ID of the consortium to update.
ConsortiumName	String	Yes	ConsortiumNameExample	The new name for the consortium.
Action	String	No	UpdateAntChainConsortium	The operation that you want to perform. Set the value to UpdateAntChainConsortium.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	1E55C947-19B4-4AAD-9D22-0B8DA8904B3D	The ID of the request.
Result	String	success	The result of the operation.

Examples

Sample requests

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

Sample success responses

XML format

```
<xml version="1.0" encoding="UTF-8">
  <code>200</code>
  <data>
    <RequestId>1E55C947-19B4-4AAD-9D22-0B8DA8904B3D</RequestId>
    <Result>success</Result>
  </data>
  <requestId>1E55C947-19B4-4AAD-9D22-0B8DA8904B3D</requestId>
  <successResponse>true</successResponse>
</xml>
```

JSON **format**

```
{
  "successResponse": true,
  "requestId": "1E55C947-19B4-4AAD-9D22-0B8DA8904B3D",
  "data": {
    "Result": "success",
    "RequestId": "1E55C947-19B4-4AAD-9D22-0B8DA8904B3D"
  },
  "code": "200"
}
```

Error codes

7.4. DescribeAntChainDownloadPaths

You can call this operation to query the download URLs of certificate files for a blockchain in Ant Blockchain.

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
AntChainId	String	Yes	1q8B5R9p	The ID of the blockchain whose certificate download URLs are to be queried.
Action	String	No	DescribeAntChainDownloadPaths	The operation that you want to perform. Set the value to DescribeAntChainDownloadPaths.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	E6F487D4-8606-41B5-B289-46D5EFBD3417	The ID of the request.

Parameter	Type	Example	Description
Result			The result of the operation.
CaCrtUrl	String	http://***ca.crt	The URL used to download the ca.crt file.
ClientCrtUrl	String	http://***client.crt	The URL used to download the client.crt file.
SdkUrl	String	http://***	The URL used to download the SDK.
TrustCaUrl	String	http://***trustCa	The URL used to download the trustCA file.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse": true,
  "requestId": "E6F487D4-8606-41B5-B289-46D5EFBD3417",
  "data": {
    "Result": {
      "SdkUrl": "http://***",
      "TrustCaUrl": "http://***trustCa",
      "CaCrtUrl": "http://***a.crt",
      "ClientCrtUrl": "http://***client.crt"
    },
    "RequestId": "E6F487D4-8606-41B5-B289-46D5EFBD3417"
  },
  "code": "200"
}
```

Error codes

7.5. ResetAntChainCertificate

You can call this operation to reset a certificate on a blockchain in Ant Blockchain.

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
AntChainId	String	Yes	pYogqb9v	The ID of the blockchain whose certificate is to be reset.
Action	String	No	ResetAntChainCertificate	The operation that you want to perform. Set the value to ResetAntChainCertificate.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	6ED983D3-C131-4104-8BDD-1F37992258E1	The ID of the request.
Result	String	success	The result of the operation.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse":true,
  "requestId":"6ED983D3-C131-4104-8BDD-1F37992258E1",
  "data":{
    "Result":"success",
    "RequestId":"6ED983D3-C131-4104-8BDD-1F37992258E1"
  },
  "code":"200"
}
```

Error codes

7.6. ApplyAntChainCertificate

You can call this operation to apply for the certificate to access a blockchain in Ant Blockchain by uploading the TLS certificate signing request (CSR).

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
AntChainId	String	Yes	bDXK6boZ	The ID of the blockchain that you want to access.
UploadReq	String	Yes	LS0tLS1...	The TLS CSR to be uploaded from the local device.
Action	String	No	ApplyAntChainCertificate	The operation that you want to perform. Set the value to ApplyAntChainCertificate.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	D3FB9E67-0E31-4B8B-8895-3660CCE8CA62	The ID of the request.
Result	String	success	The result of the operation.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse": true,
  "requestId": "D3FB9E67-0E31-4B8B-8895-3660CCE8CA62",
  "data": {
    "Result": "success",
    "RequestId": "D3FB9E67-0E31-4B8B-8895-3660CCE8CA62"
  },
  "code": "200"
}
```

Error codes

7.7.

ApplyAntChainCertificateWithKeyAutoCreation

You can call this operation to apply for the certificate to access a blockchain in Ant Blockchain by automatically generating the certificate signing request (CSR).

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
AntChainId	String	Yes	1q8B5R9p	The ID of the blockchain that you want to access.
CommonName	String	Yes	commonName	The domain name of your website.
ConsortiumId	String	Yes	DV80njXq	The ID of the consortium to which the blockchain that you want to access belongs.
CountryName	String	Yes	countryName	The two-letter code of the country where you reside.
LocalityName	String	Yes	localityName	The name of the city where you reside.
OrganizationName	String	Yes	organizationName	The name of your organization.
OrganizationUnitName	String	Yes	organizationUnitName	The name of your department.
Password	String	Yes	password	The password for accessing the SSL private key.
StateOrProvinceName	String	Yes	stateOrProvinceName	The name of the state or province where you reside.
Action	String	No	ApplyAntChainCertificateWithKeyAutoCreation	The operation that you want to perform. Set the value to ApplyAntChainCertificateWithKeyAutoCreation.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
-----------	------	---------	-------------

Parameter	Type	Example	Description
RequestId	String	3E1894AF-FEE7-4C6C-8C2A-2B3EE0105B07	The ID of the request.
Result			The result of the operation.
DownloadPath			The URLs used to download the certificate files and SDK.
CaCrtUrl	String	http://***ca.crt	The URL used to download the ca.crt file.
ClientCrtUrl	String	http://***client.crt	The URL used to download the client.crt file.
SdkUrl	String	http://***	The URL used to download the SDK.
TrustCaUrl	String	http://***trustCa	The URL used to download the trustCA file.
PrivateKey	String	-----BEGIN ENCRYPTED PRIVATE KEY----- \\nMII**A=\\n-----END ENCRYPTED PRIVATE KEY-----\\n	The private key that was automatically generated.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse":true,
  "requestId":"3E1894AF-FEE7-4C6C-8C2A-2B3EE0105B07",
  "data":{
    "Result":{
      "DownloadPath":{
        "SdkUrl":"http://***",
        "TrustCaUrl":"http://***trustCa",
        "CaCrtUrl":"http://***ca.crt",
        "ClientCrtUrl":"http://***client.crt"
      },
      "PrivateKey":"-----BEGIN ENCRYPTED PRIVATE KEY-----\\nMII**A=\\n-----END ENCRYPTED PRIVATE KEY-----\\n"
    },
    "RequestId":"3E1894AF-FEE7-4C6C-8C2A-2B3EE0105B07"
  },
  "code":"200"
}
```

Error codes

7.8. DescribeAntChains

You can call this operation to query the blockchains in a consortium in Ant Blockchain.

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
ConsortiumId	String	Yes	AroN3X2l	The ID of the consortium in which you want to query the blockchains.
PageNumber	Integer	Yes	1	The number of the page to return. Pages start from page 1.
PageSize	Integer	Yes	20	The number of entries to return on each page.
Action	String	No	DescribeAntChains	The operation that you want to perform. Set the value to DescribeAntChains.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	52EC3196-D0B8-4FBE-A8B6-6DDABABE11C9	The ID of the request.
Result			The result of the operation.
AntChains			The information about the blockchains in the consortium.
AntChainId	String	pYogqb9v	The ID of the blockchain.
AntChainName	String	BlockchainNameExample	The name of the blockchain.
ChainType	String	Contract	The type of the blockchain.

Parameter	Type	Example	Description
CipherSuit	String	classic	The type of the cipher suite.
CreateTime	Long	1562847396000	The time when the blockchain was created.
ExpireTime	Long	1626019200000	The time when the blockchain is to expire.
IsAdmin	Boolean	true	Indicates whether the current user who called this operation is the administrator of the consortium.
MemberStatus	String	ChainApplied	Indicates whether the current user has applied for the certificate to access the blockchain.
MerkleTreeSuit	String	fdmt	The type of the Merkle tree of the blockchain.
Network	String	Running	The running status of the blockchain.
NodeNum	Integer	4	The number of nodes on the blockchain.
RegionId	String	cn-hangzhou	The ID of the region where the blockchain resides.
ResourceSize	String	Basic	The type of the blockchain.
TlsAlgo	String	rsa	The TLS encryption algorithm used by the blockchain.
IsExist	Boolean	false	Indicates whether the blockchains that you are applying for are included.
Pagination			The information about the pages that list the blockchains in the consortium.
PageNumber	Integer	1	The page number of the returned page.
PageSize	Integer	20	The number of entries returned per page.
TotalCount	Integer	1	The total number of returned entries.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse": true,
  "requestId": "06EA0FF7-6D9E-41A6-8652-6536F1C5304F",
  "data": {
    "Result": {
      "AntChains": [
        {
          "TlsAlgo": "rsa",
          "CipherSuit": "classic",
          "MerkleTreeSuit": "fdmt",
          "IsAdmin": true,
          "MemberStatus": "ChainApplied",
          "NodeNum": 4,
          "AntChainName": "BlockchainNameExample",
          "ResourceSize": "Basic",
          "Network": "Running",
          "ExpireTime": 1626019200000,
          "CreateTime": 1562847396000,
          "RegionId": "cn-hangzhou",
          "ChainType": "Contract",
          "AntChainId": "pYogqb9v"
        }
      ],
      "Pagination": {
        "PageNumber": 1,
        "TotalCount": 1,
        "PageSize": 20
      },
      "IsExist": false
    },
    "RequestId": "06EA0FF7-6D9E-41A6-8652-6536F1C5304F"
  },
  "code": "200"
}
```

Error codes

7.9. UpdateAntChain

You can call this operation to update the name of a blockchain in Ant Blockchain.

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
AntChainId	String	Yes	pYogqb9v	The ID of the blockchain whose name is to be updated.

Parameter	Type	Required	Example	Description
AntChainName	String	Yes	UpdatedAntChainName	The new name for the blockchain.
Action	String	No	UpdateAntChain	The operation that you want to perform. Set the value to UpdateAntChain.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	F6A52E53-2CCB-4C3C-A44D-45FAEBC24E47	The ID of the request.
Result	String	success	The result of the operation.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse":true,
  "requestId":"F6A52E53-2CCB-4C3C-A44D-45FAEBC24E47",
  "data":{
    "Result":"success",
    "RequestId":"F6A52E53-2CCB-4C3C-A44D-45FAEBC24E47"
  },
  "code":"200"
}
```

Error codes

7.10. DescribeAntChainLatestBlocks

You can call this operation to query the latest blocks on a blockchain in Ant Blockchain.

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
AntChainId	String	Yes	pYogqb9v	The ID of the blockchain on which you want to query the latest blocks.
Action	String	No	DescribeAntChainLatestBlocks	The operation that you want to perform. Set the value to DescribeAntChainLatestBlocks.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	B52C552F-DDE6-4779-9BA2-9DD455275528	The ID of the request.
Result		[]	The result of the operation.

Examples

Sample requests

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

Sample success responses

JSON format

[illegible]

[illegible]

> Document Version: 20220601

[illegible]

[illegible]

Error codes

7.11. DescribeAntChainTransaction

You can call this operation to query a transaction based on the hash of the transaction on a blockchain in Ant Blockchain.

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
AntChainId	String	Yes	pYogqb9v	The ID of the blockchain on which you want to query the transaction based on the transaction hash.
Hash	String	Yes	b3b0d2db83d3e670449d1e2a39d1d13b7e0e6080b0f9c6945f79eca68d1dd2ca	The hash of the transaction to query.
Action	String	No	DescribeAntChainTransaction	The operation that you want to perform. Set the value to DescribeAntChainTransaction.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	7DCE6520-E5DB-4859-90AC-BDDB8A5501C6	The ID of the request.

Parameter	Type	Example	Description
Result			The result of the operation.
BlockHash	String	1168bc5dd0b78d15446b15ea5a7f7822a7d07c007dd3a50becf98da220fc08f6	The hash of the block that stores the transaction.
BlockHeight	Long	368169	The height of the block.
BlockVersion	String	10	The version of the block.
CreateTime	Long	1563954336850	The time when the transaction was created.
Hash	String	b3b0d2db83d3e670449d1e2a39d1d13b7e0e6080b0f9c6945f79eca68d1dd2ca	The hash of the transaction.
Transaction			The information about the transaction.
Data	String	""	The data of the transaction.
Extentions		[]	The extended information about the transaction.
From	String	e7d3e769f3f593dadcb8634cc5b09fc90dd3a61c4a06a79cb0923662fe6fae6b	The hash of the account who sent the transaction.
Gas	String	4000000	The gas consumed by the transaction.
Hash	String	b3b0d2db83d3e670449d1e2a39d1d13b7e0e6080b0f9c6945f79eca68d1dd2ca	The hash of the transaction.
Nonce	String	5675407026657953619	The nonce generated for the transaction.
Period	Long	1563954336850	The period of the transaction.
Signatures		5s6JhaulqAlMb6d+7...	The signatures used to initiate the transaction.
Timestamp	Long	1563954336850	The time when the transaction was sent.

Parameter	Type	Example	Description
To	String	961085f3c7ef705ad587d0cbe11d7863a5a11af7451f4e9b1edadd74402addf5	The hash of the account who received the transaction.
TxType	String	UNFREEZE_ACCOUNT_CONTRACT	The type of the transaction.
Value	String	0	The amount of the transaction.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse": true,
  "requestId": "7DCE6520-E5DB-4859-90AC-BDDB8A5501C6",
  "data": {
    "Result": {
      "Hash": "b3b0d2db83d3e670449d1e2a39d1d13b7e0e6080b0f9c6945f79eca68d1dd2ca",
      "BlockHeight": 368169,
      "Transaction": {
        "Period": 1563954336850,
        "Hash": "b3b0d2db83d3e670449d1e2a39d1d13b7e0e6080b0f9c6945f79eca68d1dd2ca",
        "Value": "0",
        "To": "961085f3c7ef705ad587d0cbe11d7863a5a11af7451f4e9b1edadd74402addf5",
        "Extentions": [],
        "Signatures": [
          "5s6JhauIqAlMb6d+7..."
        ],
        "TxType": "UNFREEZE_ACCOUNT_CONTRACT",
        "Nonce": "5675407026657953619",
        "Timestamp": 1563954336850,
        "From": "e7d3e769f3f593dadcb8634cc5b09fc90dd3a61c4a06a79cb0923662fe6fae6b",
        "Gas": "4000000"
      },
      "CreateTime": 1563954336850,
      "BlockVersion": 10
    },
    "RequestId": "7DCE6520-E5DB-4859-90AC-BDDB8A5501C6"
  },
  "code": "200"
}
```

Error codes

7.12. ResetAntChainUserCertificate

You can call this operation to reset the certificate of a consortium member in Ant Blockchain.

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
AntChainId	String	Yes	bdXK6boZ	The ID of the blockchain on which you want to reset the certificate of the consortium member.
Bid	String	Yes	26842	The ID of the website on which the consortium member was registered.
Operation	Integer	Yes	1	The type of the operation to be performed.
Username	String	Yes	uid-1287126353308684	The username of the consortium member whose certificate is to be reset.
Action	String	No	ResetAntChainUserCertificate	The operation that you want to perform. Set the value to ResetAntChainUserCertificate.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	3EB828D1-1E9D-4EC2-A002-139FE998D674	The ID of the request.
Result	String	success	The result of the operation.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse": true,
  "requestId": "3EB828D1-1E9D-4EC2-A002-139FE998D674",
  "data": {
    "Result": "success",
    "RequestId": "3EB828D1-1E9D-4EC2-A002-139FE998D674"
  },
  "code": "200"
}
```

Error codes

7.13. DescribeAntChainInformation

You can call this operation to query the basic information about a blockchain in Ant Blockchain.

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
AntChainId	String	Yes	pYogqb9v	The ID of the blockchain whose basic information is to be queried.
Action	String	No	DescribeAntChainInformation	The operation that you want to perform. Set the value to DescribeAntChainInformation.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	91246411-C7E9-4EFD-9074-3939AEDFC1BB	The ID of the request.
Result			The result of the operation.
AbnormalNodes	Integer	0	The number of abnormal nodes on the blockchain.
AntChainId	String	pYogqb9v	The ID of the blockchain whose basic information was queried.
BlockHeight	Integer	365236	The block height of the blockchain.

Parameter	Type	Example	Description
CreateTime	Long	1562847396000	The time when the blockchain was created.
NodeInfos			The information about the nodes on the blockchain.
BlockHeight	Long	365216	The block height of the node.
NodeName	String	121.199.195.8 18130	The address of the node.
Status	Boolean	true	The status of the node.
Version	String	0.10	The version of the node.
NodeNumber	Integer	4	The number of nodes on the blockchain.
Normal	Boolean	true	The running status of the blockchain.
TransactionSum	Integer	42	The total number of transactions that were executed on the blockchain.
Version	String	0.10.2.4.7	The version of the blockchain.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse": true,
  "requestId": "91246411-C7E9-4EFD-9074-3939AEDFC1BB",
  "data": {
    "Result": {
      "NodeNumber": 4,
      "AbnormalNodes": 0,
      "BlockHeight": 365236,
      "IsRole": false,
      "Normal": true,
      "TransactionSum": 42,
      "CreateTime": 1562847396000,
      "AntChainId": "pYogqb9v",
      "Version": "0.10.2.4.7",
      "NodeInfos": [
        {
          "Status": true,
          "BlockHeight": 365216,
          "Version": "0.10",
          "NodeName": "121.199.195.8 18130"
        },
        {
          "Status": true,
          "BlockHeight": 365216,
          "Version": "0.10",
          "NodeName": "121.199.195.8 18132"
        },
        {
          "Status": true,
          "BlockHeight": 365216,
          "Version": "0.10",
          "NodeName": "121.199.195.8 18133"
        },
        {
          "Status": true,
          "BlockHeight": 365216,
          "Version": "0.10",
          "NodeName": "121.199.195.8 18131"
        }
      ]
    },
    "RequestId": "91246411-C7E9-4EFD-9074-3939AEDFC1BB"
  },
  "code": "200"
}
```

Error codes

7.14.

DescribeAntChainLatestTransactionDigests

You can call this operation to query the latest transaction digests on a blockchain in Ant Blockchain.

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
AntChainId	String	Yes	pYogqb9v	The ID of the blockchain on which you want to query the latest transaction digests.
Action	String	No	DescribeAntChainLatestTransactionDigests	The operation that you want to perform. Set the value to DescribeAntChainLatestTransactionDigests.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse": true,
  "requestId": "3348160E-187B-47BD-B1B9-76AD4AFA4558",
  "data": {
    "Result": [
      {
        "to": "0f7256e0886e2095f328a244cf44823f95a82dedb3e51a1f46f8c272cf1c6030",
        "createTime": 1563861357920,
        "hash": "945ffb5e2a8aaf41eed862f7c1565603683b7a640b7b78a168396897979335a9",
        "from": "e7d3e769f3f593dadcb8634cc5b09fc90dd3a61c4a06a79cb0923662fe6fae6b",
        "transactionV10Type": "FREEZE_ACCOUNT_CONTRACT"
      },
      {
        "to": "0f7256e0886e2095f328a244cf44823f95a82dedb3e51a1f46f8c272cf1c6030",
        "createTime": 1563861353157,
        "hash": "5d379f516bf8f96991ee80d91504cfbf94f0b2feb87b375d07d04b019fd7bb3f",
        "from": "e7d3e769f3f593dadcb8634cc5b09fc90dd3a61c4a06a79cb0923662fe6fae6b",
        "transactionV10Type": "UNFREEZE_ACCOUNT_CONTRACT"
      },
      {
        "to": "8e35c2cd3bf6641bdb0e2050b76932cbb2e6034a0ddacc1d9bea82a6ba57f7cf",
        "createTime": 1563861343692,
        "hash": "50df783d3e0038ee2ebf62c2295e19da9f95fc99dca6d9de4c0bf8f109c2a2f1",
        "from": "e7d3e769f3f593dadcb8634cc5b09fc90dd3a61c4a06a79cb0923662fe6fae6b",
        "transactionV10Type": "FREEZE_ACCOUNT_CONTRACT"
      }
    ]
  }
}
```

```

{
  "to": "4db58ada9221304b161ab0aa11b032a62d60d9ab29e41c6d238f4401c81c8189",
  "createTime": 1563861340667,
  "hash": "7f299376af6e44825b55dca4c840d7f7bdc124984adfa2501b3ba5d7f3afb61b",
  "from": "e7d3e769f3f593dadcb8634cc5b09fc90dd3a61c4a06a79cb0923662fe6fae6b",
  "transactionV10Type": "UNFREEZE_ACCOUNT_CONTRACT"
},
{
  "to": "8e35c2cd3bf6641bdb0e2050b76932cbb2e6034a0ddacc1d9bea82a6ba57f7cf",
  "createTime": 1563861331665,
  "hash": "2a185f80ea614459f7d2125e0ff43c68f96bfc4266b737646ef8250562b71aca",
  "from": "e7d3e769f3f593dadcb8634cc5b09fc90dd3a61c4a06a79cb0923662fe6fae6b",
  "transactionV10Type": "UNFREEZE_ACCOUNT_CONTRACT"
},
{
  "to": "49f3bd00a75b5b7519965014a37f14362cc88e303ed9615a49bc888e841184ed",
  "createTime": 1563861325469,
  "hash": "944831a05c11be9290ffbe2b29734234462da0fed0192b661c42846d18bdb9f7",
  "from": "e7d3e769f3f593dadcb8634cc5b09fc90dd3a61c4a06a79cb0923662fe6fae6b",
  "transactionV10Type": "UNFREEZE_ACCOUNT_CONTRACT"
},
{
  "to": "0f7256e0886e2095f328a244cf44823f95a82dedb3e51a1f46f8c272cf1c6030",
  "createTime": 1563861322053,
  "hash": "5d7da0043114b58488e0867c8dddb8b35812ce6e198235ef70d58d06d843024f",
  "from": "e7d3e769f3f593dadcb8634cc5b09fc90dd3a61c4a06a79cb0923662fe6fae6b",
  "transactionV10Type": "FREEZE_ACCOUNT_CONTRACT"
},
{
  "to": "8e35c2cd3bf6641bdb0e2050b76932cbb2e6034a0ddacc1d9bea82a6ba57f7cf",
  "createTime": 1563861318974,
  "hash": "0c94292b144c69cbdc01389938f660a430dda1a50369de3a2c92b08d7e61f145",
  "from": "e7d3e769f3f593dadcb8634cc5b09fc90dd3a61c4a06a79cb0923662fe6fae6b",
  "transactionV10Type": "FREEZE_ACCOUNT_CONTRACT"
},
{
  "to": "4db58ada9221304b161ab0aa11b032a62d60d9ab29e41c6d238f4401c81c8189",
  "createTime": 1563861316016,
  "hash": "293a7412174f7827135ae0610f85f4bc2d7eca21aca017935c3cd048a30dc2b4",
  "from": "e7d3e769f3f593dadcb8634cc5b09fc90dd3a61c4a06a79cb0923662fe6fae6b",
  "transactionV10Type": "FREEZE_ACCOUNT_CONTRACT"
},
{
  "to": "4db58ada9221304b161ab0aa11b032a62d60d9ab29e41c6d238f4401c81c8189",
  "createTime": 1563861312633,
  "hash": "21f5977f5f9103c251968e4f84c0e1d3c68549a25b185e21791cb5ad5a4839f6",
  "from": "e7d3e769f3f593dadcb8634cc5b09fc90dd3a61c4a06a79cb0923662fe6fae6b",
  "transactionV10Type": "UNFREEZE_ACCOUNT_CONTRACT"
},
{
  "to": "8e35c2cd3bf6641bdb0e2050b76932cbb2e6034a0ddacc1d9bea82a6ba57f7cf",
  "createTime": 1563861307139,
  "hash": "78329f5dd5af3ab2de339980fef05a0aa1d50ad1ddbce247d4d1e8e85cc5222f",
  "from": "e7d3e769f3f593dadcb8634cc5b09fc90dd3a61c4a06a79cb0923662fe6fae6b",
  "transactionV10Type": "UNFREEZE_ACCOUNT_CONTRACT"
},
{
  "to": "49f3bd00a75b5b7519965014a37f14362cc88e303ed9615a49bc888e841184ed",
  "createTime": 1563861302697,
  "hash": "e089544b7a9e5354ea4ac57769d854acc0c79acee54420c9232924d978601969",
  "from": "e7d3e769f3f593dadcb8634cc5b09fc90dd3a61c4a06a79cb0923662fe6fae6b"
}

```



```

    "transactionV10Type": "FREEZE_ACCOUNT_CONTRACT"
  },
  {
    "to": "e93372533f323b2f12783aa3a586135cf421486439c2cdcde47411b78f9839ec",
    "createTime": 1563765546000,
    "hash": "e0a27e8b0bd0d3053b29c133f257f636c37cb1ba8524684e3bfc6f7a48191494",
    "from": "e7d3e769f3f593dadcb8634cc5b09fc90dd3a61c4a06a79cb0923662fe6fae6b",
    "transactionV10Type": "CALL_CONTRACT"
  }
],
"RequestId": "3348160E-187B-47BD-B1B9-76AD4AFA4558"
},
"code": "200"
}

```

Error codes

7.15. DescribeAntChainBlock

You can call this operation to query a block based on the height of the block on a blockchain in Ant Blockchain.

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
AntChainId	String	Yes	pYogqb9v	The ID of the blockchain on which you want to query the block based on the block height.
Height	Long	Yes	1234	The height of the block to query.
Action	String	No	DescribeAntChainBlock	The operation that you want to perform. Set the value to DescribeAntChainBlock.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	4DDA2E72-778A-4D79-BE70-448A26A57227	The ID of the request.
Result			The result of the operation.

Parameter	Type	Example	Description
AntChainId	String	pYogqb9v	The ID of the blockchain to which the block belongs.
BlockHash	String	aeec5963f8deeeae820 aaf302f0c925db9fa8d0 7b9898dac782335f817 554e47	The hash of the block.
CreateTime	Long	1562851727742	The time when the block was created.
Height	Integer	1234	The height of the block.
PreviousHash	String	e11767c7b9d92563663 a76f10c69e835478800 1e2c9e6bd9267239a81 d3bb523	The hash of the previous block.
RootTxHash	String	00000000000000000000 00000000000000000000 00000000000000000000 0000000	The root transaction hash of the block.
TransSummaryList	String	[]	The information about the transactions stored in the block.
TransactionSize	Integer	0	The number of transactions stored in the block.
Version	Long	2	The version of the block.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse":true,
  "requestId":"4DDA2E72-778A-4D79-BE70-448A26A57227",
  "data":{
    "Result":{
      "PreviousHash":"e11767c7b9d92563663a76f10c69e8354788001e2c9e6bd9267239a81d3bb523",
      "BlockHash":"aeec5963f8deeeae820aaf302f0c925db9fa8d07b9898dac782335f817554e47",
      "RootTxHash":"0000000000000000000000000000000000000000000000000000000000000000",
      "TransSummaryList":[],
      "CreateTime":1562851727742,
      "Height":1234,
      "AntChainId":"pYogqb9v",
      "TransactionSize":0,
      "Version":2
    },
    "RequestId":"4DDA2E72-778A-4D79-BE70-448A26A57227"
  },
  "code":"200"
}
```

Error codes

7.16. DescribeAntChainAccounts

You can call this operation to query the accounts on a blockchain in Ant Blockchain.

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
AntChainId	String	Yes	pYogqb9v	The ID of the blockchain on which you want to query the accounts.
PageNumber	Integer	Yes	1	The number of the page to return. Pages start from page 1.
PageSize	Integer	Yes	10	The number of entries to return on each page.
Action	String	No	DescribeAntChainAccounts	The operation that you want to perform. Set the value to DescribeAntChainAccounts.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	1692940F-87C5-468F-8188-6C95FC05BBA5	The ID of the request.
Result			The result of the operation.
Accounts			The information about the accounts on the blockchain.
AccountPublicKey	String	de44334f1094cbd37e952ef691a837f36eab2e9afdf6bed9bf523c2dde40ff7b1ff526ec11b510d320f536685f75dd90f67fda8d41a69738a76a77c27b1373fb	The public key of the account.
AccountRecoveryKey	String	ee54a9c4511345f2de05889540eedb8dfed7b57ab0647c5894e4333596bc2ecef07a0469331d016ad9978b39367a0a5c217ef92ffffcbd6716db6667353891a9	The recovery public key of the account.
AccountStatus	String	NORMAL	The status of the account.
AntChainId	String	pYogqb9v	The ID of the blockchain to which the account belongs.
Pagination			The information about the pages that list the accounts on the blockchain.
PageNumber	Integer	1	The page number of the returned page.
PageSize	Integer	10	The number of entries returned per page.
TotalCount	Integer	1	The total number of returned entries.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse":true,
  "requestId":"1692940F-87C5-468F-8188-6C95FC05BBA5",
  "data":{
    "Result":{
      "Accounts":[
        {
          "AccountPublicKey":"de44334f1094cbd37e952ef691a837f36eab2e9afdf6bed9bf523c2dde40ff7b1ff526ec11b510d320f536685f75dd90f67fda8d41a69738a76a77c27b1373fb",
          "AccountStatus":"NORMAL",
          "AccountRecoveryKey":"ee54a9c4511345f2de05889540eedb8dfed7b57ab0647c5894e4333596bc2ecef07a0469331d016ad9978b39367a0a5c217ef92ffffcbcd6716db6667353891a9",
          "Account":"TestAccount",
          "AntChainId":"pYogqb9v"
        }
      ],
      "Pagination":{
        "PageNumber":1,
        "TotalCount":1,
        "PageSize":10
      }
    },
    "RequestId":"1692940F-87C5-468F-8188-6C95FC05BBA5"
  },
  "code":"200"
}
```

Error codes

7.17. CreateAntChainAccount

You can call this operation to create an account on a blockchain in Ant Blockchain.

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
Account	String	Yes	test	The name of the account to create.
AccountPubKey	String	Yes	AEDC32...	The public key of the account to create.
AccountRecoverPubKey	String	Yes	AEDC32...	The recovery public key used to check whether the recovery private key is used.
AntChainId	String	Yes	bDXK6boZ	The ID of the blockchain on which you want to create the account.

Parameter	Type	Required	Example	Description
Action	String	No	CreateAntChainAccount	The operation that you want to perform. Set the value to CreateAntChainAccount.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	0301F6CB-4FA6-4D03-8668-963623B63D0F	The ID of the request.
Result			The result of the operation.
Account	String	test	The name of the created account.
AntChainId	String	bDXK6boZ	The ID of the blockchain on which the account was created.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse":true,
  "requestId":"0301F6CB-4FA6-4D03-8668-963623B63D0F",
  "data":{
    "Result":{
      "Account":"test",
      "AntChainId":"bDXK6boZ"
    },
    "RequestId":"0301F6CB-4FA6-4D03-8668-963623B63D0F"
  },
  "code":"200"
}
```

Error codes

7.18. CreateAntChainAccountWithKeyPairAutoCreation

You can call this operation to create an account on a blockchain in Ant Blockchain by automatically generating a pair of public key and private key.

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
Account	String	Yes	accountname	The name of the account to create.
AntChainId	String	Yes	1q8B5R9p	The ID of the blockchain on which you want to create the account.
Password	String	Yes	password	The password of the account to create.
Action	String	No	CreateAntChainAccountWithKeyPairAutoCreation	The operation that you want to perform. Set the value to CreateAntChainAccountWithKeyPairAutoCreation.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	5F058BB4-3043-4638-86D4-EED84AD1AE54	The ID of the request.
Result			The result of the operation.
Account	String	accountname	The name of the created account.
AccountPrivateKey	String	-----BEGIN ENCRYPTED PRIVATE KEY----- \nM***8=\n-----END ENCRYPTED PRIVATE KEY-----\n	The private key automatically generated for the created account.
AccountPublicKey	String	b***7	The public key automatically generated for the created account.

Parameter	Type	Example	Description
AccountRecoverPrivateKey	String	-----BEGIN ENCRYPTED PRIVATE KEY----- \\nM***Io=\\n-----END ENCRYPTED PRIVATE KEY-----\\n	The recovery private key used to reset the private key when the private key is lost.
AccountRecoverPublicKey	String	d***b	The recovery public key used to check whether the recovery private key is used.
AntChainId	String	1q8B5R9p	The ID of the blockchain on which the account was created.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse": true,
  "requestId": "5F058BB4-3043-4638-86D4-EED84AD1AE54",
  "data": {
    "Result": {
      "AccountRecoverPrivateKey": "-----BEGIN ENCRYPTED PRIVATE KEY-----\\nM***Io=\\n-----END ENCRYPTED PRIVATE KEY-----\\n",
      "AccountPublicKey": "b***7",
      "AccountRecoverPublicKey": "d***b",
      "AccountPrivateKey": "-----BEGIN ENCRYPTED PRIVATE KEY-----\\nM***8=\\n-----END ENCRYPTED PRIVATE KEY-----\\n",
      "Account": "accountname",
      "AntChainId": "1q8B5R9p"
    },
    "RequestId": "5F058BB4-3043-4638-86D4-EED84AD1AE54"
  },
  "code": "200"
}
```

Error codes

7.19. UnfreezeAntChainAccount

You can call this operation to unfreeze an account on a blockchain in Ant Blockchain.

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
Account	String	Yes	accountname	The name of the account to unfreeze.
AntChainId	String	Yes	1q8B5R9p	The ID of the blockchain to which the account to unfreeze belongs.
Action	String	No	UnfreezeAntChainAccount	The operation that you want to perform. Set the value to UnfreezeAntChainAccount.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	6ED983D3-C131-4104-8BDD-1F37992258E1	The ID of the request.
Result	String	success	The result of the operation.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=UnfreezeAntChainAccount
&Account=accountname
&AntChainId=1q8B5R9p
&<Common request parameters>
```

Sample success responses

XML format

```
<UnfreezeAntChainAccountResponse>
  <code>200</code>
  <data>
    <RequestId>6ED983D3-C131-4104-8BDD-1F37992258E1</RequestId>
    <Result>success</Result>
  </data>
  <requestId>6ED983D3-C131-4104-8BDD-1F37992258E1</requestId>
  <successResponse>true</successResponse>
</UnfreezeAntChainAccountResponse>
```

JSON format

```
{
  "successResponse":true,
  "requestId":"6ED983D3-C131-4104-8BDD-1F37992258E1",
  "data":{
    "Result":"success",
    "RequestId":"6ED983D3-C131-4104-8BDD-1F37992258E1"
  },
  "code":"200"
}
```

Error codes

7.20. FreezeAntChainAccount

You can call this operation to freeze an account on a blockchain in Ant Blockchain.

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
Account	String	Yes	accountname	The name of the account to freeze.
AntChainId	String	Yes	1q8B5R9p	The ID of the blockchain to which the account to freeze belongs.
Action	String	No	FreezeAntChainAccount	The operation that you want to perform. Set the value to FreezeAntChainAccount.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	9F862442-F6AD-4B5F-8969-CE23DE1413CB	The ID of the request.
Result	String	success	The result of the operation.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse": true,
  "requestId": "9F862442-F6AD-4B5F-8969-CE23DE1413CB",
  "data": {
    "Result": "success",
    "RequestId": "9F862442-F6AD-4B5F-8969-CE23DE1413CB"
  },
  "code": "200"
}
```

Error codes

7.21. DescribeAntChainCertificateApplications

You can call this operation to query the certificate applications submitted by a consortium member for accessing a blockchain in Ant Blockchain.

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
AntChainId	String	Yes	1q8B5R9p	The ID of the blockchain that the consortium member submitted the certificate applications to access.
PageNumber	Integer	Yes	1	The number of the page to return. Pages start from page 1.
PageSize	Integer	Yes	20	The number of entries to return on each page.
Status	String	Yes	1	The status of the certificate applications to query.
Action	String	No	DescribeAntChainCertificateApplications	The operation that you want to perform. Set the value to DescribeAntChainCertificateApplications.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	B232A84E-7944-4EB0-83D0-9D409E12E0A8	The ID of the request.
Result			The result of the operation.
CertificateApplications			The information about the returned certificate applications.
AntChainId	String	1q8B5R9p	The ID of the blockchain that the consortium member submitted the certificate application to access.
Bid	String	26842	The ID of the website on which the consortium member who submitted the certificate application was registered.
CreateTime	Long	1563949275000	The time when the certificate application was created.
Status	String	1	The status of the certificate application.
UpdateTime	Long	1563949275000	The time when the certificate application was updated.
Username	String	uid-1287126353308684	The username of the consortium member who submitted the certificate application.
Pagination			The information about the pages that list the certificate applications of the consortium member.
PageNumber	Integer	1	The page number of the returned page.
PageSize	Integer	20	The number of entries returned per page.
TotalCount	Integer	1	The total number of returned entries.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse":true,
  "requestId":"B232A84E-7944-4EB0-83D0-9D409E12E0A8",
  "data":{
    "Result":{
      "CertificateApplications":[
        {
          "Status":1,
          "Username":"uid-1287126353308684",
          "Bid":"26842",
          "AntChainId":"1q8B5R9p",
          "Createtime":1563949275000,
          "Uptime":1563949275000
        }
      ],
      "Pagination":{
        "PageNumber":1,
        "TotalCount":1,
        "PageSize":20
      }
    },
    "RequestId":"B232A84E-7944-4EB0-83D0-9D409E12E0A8"
  },
  "code":"200"
}
```

Error codes

7.22. UpdateAntChainContractContent

You can call this operation to update the content of a contract project in Ant Blockchain.

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
ContentId	String	Yes	R6XMn59e	The ID of the file or folder to update.
ParentContentId	String	Yes	R38DYDop	The ID of the parent directory where the file or folder to update resides.
Action	String	No	UpdateAntChainContractContent	The operation that you want to perform. Set the value to UpdateAntChainContractContent.
Content	String	No	update content	The new content for the file or folder.

Parameter	Type	Required	Example	Description
ContentName	String	No	newFile	The new name for the file or folder.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	08CBD579-C430-4F1F-9011-C120FA1E9B97	The ID of the request.
Result	String	success	The result of the operation.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse": true,
  "requestId": "08CBD579-C430-4F1F-9011-C120FA1E9B97",
  "data": {
    "Result": "success",
    "RequestId": "08CBD579-C430-4F1F-9011-C120FA1E9B97"
  },
  "code": "200"
}
```

Error codes

7.23. DeleteAntChainContractContent

You can call this operation to delete the content of a contract project in Ant Blockchain.

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
-----------	------	----------	---------	-------------

Parameter	Type	Required	Example	Description
ContentId	String	Yes	GKX7KZX0	The ID of the file or folder to delete.
Action	String	No	DeleteAntChainContractContent	The operation that you want to perform. Set the value to DeleteAntChainContractContent.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	7E54F588-39DE-446F-9A16-B9BB0B05DF44	The ID of the request.
Result	String	success	The result of the operation.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse":true,
  "requestId":"7E54F588-39DE-446F-9A16-B9BB0B05DF44",
  "data":{
    "Result":"success",
    "RequestId":"7E54F588-39DE-446F-9A16-B9BB0B05DF44"
  },
  "code":"200"
}
```

Error codes

7.24. DescribeAntChainContractProjects

You can call this operation to query the contract projects in a consortium in Ant Blockchain.

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
ConsortiumId	String	Yes	DV80nJXq	The ID of the consortium whose contract projects are to be queried.
PageNumber	Integer	Yes	1	The number of the page to return. Pages start from page 1.
PageSize	Integer	Yes	10	The number of entries to return on each page.
Action	String	No	DescribeAntChainContractProjects	The operation that you want to perform. Set the value to DescribeAntChainContractProjects.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	5EDAC16F-EA3E-4017-B223-D76220F985DF	The ID of the request.
Result			The result of the operation.
ContractProjects			The information about the contract projects in the consortium.
ConsortiumId	String	DV80nJXq	The ID of the consortium to which the contract project belongs.
CreateTime	Long	1562847564000	The time when the contract project was created.
ProjectDescription	String	description	The description of the contract project.
ProjectId	String	2L9VK68g	The ID of the contract project.
ProjectName	String	projectname	The name of the contract project.
ProjectVersion	String	5	The version of the contract project.
UpdateTime	Long	1563954499000	The time when the contract project was updated.

Parameter	Type	Example	Description
Pagination			The information about the pages that list the contract projects in the consortium.
PageNumber	Integer	1	The page number of the returned page.
PageSize	Integer	10	The number of entries returned per page.
TotalCount	Integer	1	The total number of returned entries.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse":true,
  "requestId":"5EDAC16F-EA3E-4017-B223-D76220F985DF",
  "data":{
    "Result":{
      "Pagination":{
        "PageNumber":1,
        "TotalCount":1,
        "PageSize":10
      },
      "ContractProjects":[
        {
          "ProjectDescription":"",
          "ProjectName":"projectname",
          "ConsortiumId":"DV80nJXq",
          "ProjectVersion":"5",
          "CreateTime":1562847564000,
          "UpdateTime":1563954499000,
          "ProjectId":"2L9VK68g"
        }
      ]
    },
    "RequestId":"5EDAC16F-EA3E-4017-B223-D76220F985DF"
  },
  "code":"200"
}
```

Error codes

7.25.

DescribeAntChainContractProjectContentTree

You can call this operation to query the content tree of a contract project in Ant Blockchain.

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
ProjectId	String	Yes	2L9VK68g	The ID of the contract project whose content tree is to be queried.
Action	String	No	DescribeAntChainContractProjectContentTree	The operation that you want to perform. Set the value to DescribeAntChainContractProjectContentTree.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	A0DF307A-A44A-476F-99D8-BA4F205350BD	The ID of the request.
Result			The result of the operation.
Children		[]	The content tree that was returned.
ProjectDescription	String	description	The description of the contract project to which the content tree belongs.
ProjectId	String	2L9VK68g	The ID of the contract project to which the content tree belongs.
ProjectName	String	projectname	The name of the contract project to which the content tree belongs.
ProjectVersion	String	5	The version of the contract project to which the content tree belongs.


```

, length of 'identity' is 256 (bits).\n    */\n    event VOTE(bytes32 candidate, identity voterId);\n    event VALID(bool valid);\n\n    /* This is the constructor which will be called once when you\n    deploy the contract to the blockchain. When we deploy the contract,\n    we will pass an array of candi\n    dates who will be contesting in the election.\n    You can input a candidate name like: Mike , it will\n    be converted to bytes32.\n    */\n    constructor(bytes32[] candidateNames) public {\n        candidat\n        eList = candidateNames;\n        candidateCount = candidateList.length;\n    }\n\n    // This function\n    returns the total votes a candidate has received so far.\n    function totalVotesFor(bytes32 candidate\n    ) view public returns (uint8) {\n        require(validCandidate(candidate));\n        return votesRece\n        ived[candidate];\n    }\n\n    // This function increments the vote count for the specified candidate.\n    \n    // This is equivalent to casting a vote.\n    function voteForCandidate(bytes32 candidate) publi\n    c {\n        require(validCandidate(candidate));\n        votesReceived[candidate] += 1;\n        tota\n        lVotes += 1;\n        \n        emit VOTE(candidate, msg.sender);\n    }\n\n    // This function will help\n    to check whether target candidate is in the candidateList.\n    function validCandidate(bytes32 candid\n    ate) view public returns (bool) {\n        for (uint i = 0; i < candidateList.length; i++) {\n\n            if (candidateList[i] == candidate) {\n                emit VALID(true);\n                return true;\n            }\n\n            emit VALID(false);\n            return false;\n        }\n    },\n\n    "id": "lq8Bv68p",\n    "gmtModified": 1563860292000,\n    "gmtCreate": 1562847564000,\n    "directory": false,\n    "name": "demo.sol",\n    "children": [],\n    "projectId": "2L9VK68g"\n  },\n  {\n    "content": "",\n    "id": "GKX7KZX0",\n    "gmtModified": 1563954499000,\n    "gmtCreate": 1563954499000,\n    "directory": false,\n    "name": "test",\n    "children": [],\n    "projectId": "2L9VK68g"\n  }\n],\n"ProjectId": "2L9VK68g"\n},\n"RequestId": "A0DF307A-A44A-476F-99D8-BA4F205350BD"\n},\n"code": "200"\n}\n}

```

Error codes

7.26. CreateAntChainContractProject

You can call this operation to create a contract project in a consortium in Ant Blockchain.

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
-----------	------	----------	---------	-------------

Parameter	Type	Required	Example	Description
ConsortiumId	String	Yes	DV80nJXq	The ID of the consortium in which you want to create the contract project.
ProjectName	String	Yes	projectname	The name of the contract project to create.
ProjectVersion	String	Yes	v1.0.0	The version of the contract project to create.
Action	String	No	CreateAntChainContractProject	The operation that you want to perform. Set the value to CreateAntChainContractProject.
ProjectDescription	String	No	project description	The description of the contract project to create.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	4261A4C3-B8B5-4555-AEBC-944C3EAB23DB	The ID of the request.
Result			The result of the operation.
ConsortiumId	String	DV80nJXq	The ID of the consortium in which the contract project was created.
CreateTime	Long	1563951889044	The time when the contract project was created.
ProjectDescription	String	project description	The description of the created contract project.
ProjectId	String	R38DAbop	The ID of the created contract project.
ProjectName	String	projectname	The name of the created contract project.
ProjectVersion	String	v1.0.0	The version of the created contract project.
UpdateTime	Long	1563951889140	The time when the created contract project was updated.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse":true,
  "requestId":"4261A4C3-B8B5-4555-AEBC-944C3EAB23DB",
  "data":{
    "Result":{
      "ProjectDescription":"project description",
      "ProjectName":"projectname",
      "ConsortiumId":"DV80nJXq",
      "ProjectVersion":"v1.0.0",
      "CreateTime":1563951889044,
      "UpdateTime":1563951889140,
      "ProjectId":"R38DAbop"
    },
    "RequestId":"4261A4C3-B8B5-4555-AEBC-944C3EAB23DB"
  },
  "code":"200"
}
```

Error codes

7.27. DescribeAntChainMembers

You can call this operation to query the members in a consortium in Ant Blockchain.

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
ConsortiumId	String	Yes	q0oWq92P	The ID of the consortium whose members are to be queried.
PageNumber	Integer	Yes	1	The number of the page to return. Pages start from page 1.
PageSize	Integer	Yes	10	The number of entries to return on each page.

Parameter	Type	Required	Example	Description
Action	String	No	DescribeAntChainMembers	The operation that you want to perform. Set the value to DescribeAntChainMembers.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	E0DB75A2-28C8-4295-8851-A157FFB3DFED	The ID of the request.
Result			The result of the operation.
Members			The information about the members in the consortium.
JoinTime	Long	1557477823000	The time when the member joined the consortium.
MemberId	String	uid-1388601577407805	The ID of the member.
MemberName	String	uid-1562589998337656	The name of the member.
Role	String	Member	The role of the member.
Status	String	AllianceNotJoined	Indicates whether the member has joined the consortium.
Pagination			The information about the pages that list the members in the consortium.
PageNumber	Integer	1	The page number of the returned page.
PageSize	Integer	10	The number of entries returned per page.
TotalCount	Integer	6	The total number of returned entries.

Examples

Sample requests

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

Sample success responses

XML format

```
<xml version="1.0" encoding="UTF-8">
  <code>200</code>
  <data>
    <RequestId>E0DB75A2-28C8-4295-8851-A157FFB3DFED</RequestId>
    <Result>
      <Pagination>
        <PageSize>10</PageSize>
        <Total>2</Total>
        <Current>1</Current>
      </Pagination>
      <Members>
        <Status>AllianceJoined</Status>
        <Role>SuperAdmin</Role>
        <MemberId>uid-1388601577407805</MemberId>
        <UserId>OYXLookN</UserId>
        <JoinTime>1557477823000</JoinTime>
        <MemberName>uid-1388601577407805sss</MemberName>
      </Members>
      <Members>
        <Status>AllianceNotJoined</Status>
        <Role>Member</Role>
        <MemberId>uid-1562589998337656</MemberId>
        <UserId>broOV8kD</UserId>
        <JoinTime>1560147228000</JoinTime>
        <MemberName>uid-1562589998337656</MemberName>
      </Members>
    </Result>
  </data>
  <requestId>E0DB75A2-28C8-4295-8851-A157FFB3DFED</requestId>
  <successResponse>true</successResponse>
</xml>
```

JSON format


```
{
  "successResponse": true,
  "requestId": "15EFC35E-3DAD-4E97-A97D-9F81660C9DE9",
  "data": {
    "Result": {
      "Pagination": {
        "PageNumber": 1,
        "TotalCount": 6,
        "PageSize": 10
      },
      "Members": [
        {
          "Status": "AllianceJoined",
          "JoinTime": 1562845453000,
          "Role": "SuperAdmin",
          "MemberName": "uid-1287126353308684",
          "MemberId": "1287126353308684"
        },
        {
          "Status": "AllianceNotJoined",
          "JoinTime": 1562847689000,
          "Role": "Member",
          "MemberName": "uid-1897759808932113",
          "MemberId": "1897759808932113"
        },
        {
          "Status": "AllianceNotJoined",
          "JoinTime": 1562847826000,
          "Role": "Member",
          "MemberName": "uid-1244631294173906",
          "MemberId": "1244631294173906"
        },
        {
          "Status": "AllianceJoined",
          "JoinTime": 1562848743000,
          "Role": "Member",
          "MemberName": "uid-1298430932251201",
          "MemberId": "1298430932251201"
        },
        {
          "Status": "AllianceNotJoined",
          "JoinTime": 1562848777000,
          "Role": "Member",
          "MemberName": "uid-1908162809538613",
          "MemberId": "1908162809538613"
        },
        {
          "Status": "AllianceNotJoined",
          "JoinTime": 1562850385000,
          "Role": "Member",
          "MemberName": "uid-100",
          "MemberId": "100"
        }
      ]
    },
    "RequestId": "15EFC35E-3DAD-4E97-A97D-9F81660C9DE9"
  },
  "code": "200"
}
```

Error codes

7.28. DeleteAntChainContractProject

You can call this operation to delete a contract project from a consortium in Ant Blockchain.

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
ProjectId	String	Yes	AVXeKq8R	The ID of the contract project to delete.
Action	String	No	DeleteAntChainContractProject	The operation that you want to perform. Set the value to DeleteAntChainContractProject.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	4FAC5F05-FDF0-4599-9522-0120525F0145	The ID of the request.
Result	String	success	The result of the operation.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse": true,
  "requestId": "4FAC5F05-FDF0-4599-9522-0120525F0145",
  "data": {
    "Result": "success",
    "RequestId": "4FAC5F05-FDF0-4599-9522-0120525F0145"
  },
  "code": "200"
}
```

Error codes

7.29. CopyAntChainContractProject

You can call this operation to copy a contract project in a consortium in Ant Blockchain.

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
ProjectId	String	Yes	2L9VK68g	The ID of the contract project to copy.
ProjectName	String	Yes	copyproject	The name of the contract project to copy.
ProjectVersion	String	Yes	v1.0.1	The version of the contract project to copy.
Action	String	No	CopyAntChainContractProject	The operation that you want to perform. Set the value to CopyAntChainContractProject.
ProjectDescription	String	No	copy project description	The description of the contract project to copy.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	45D67F6F-C723-4AD8-8462-F94EE5FF22E6	The ID of the request.
Result			The result of the operation.
ConsortiumId	String	DV80njXq	The ID of the consortium to which the new contract project belongs.
CreateTime	Long	1563953475248	The time when the new contract project was created.
ProjectDescription	String	copy project description	The description of the new contract project.

Parameter	Type	Example	Description
ProjectId	String	R6XMEdXe	The ID of the new contract project.
ProjectName	String	copyproject	The name of the new contract project.
ProjectVersion	String	v1.0.1	The version of the new contract project.
UpdateTime	Long	1563953475248	The time when the new contract project was updated.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse": true,
  "requestId": "45D67F6F-C723-4AD8-8462-F94EE5FF22E6",
  "data": {
    "Result": {
      "ProjectDescription": "copy project description",
      "ProjectName": "copyproject",
      "ConsortiumId": "DV80nJXq",
      "ProjectVersion": "v1.0.1",
      "CreateTime": 1563953475248,
      "UpdateTime": 1563953475248,
      "ProjectId": "R6XMEdXe"
    },
    "RequestId": "45D67F6F-C723-4AD8-8462-F94EE5FF22E6"
  },
  "code": "200"
}
```

Error codes

7.30. UpdateAntChainContractProject

You can call this operation to update a contract project in a consortium in Ant Blockchain.

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
ProjectId	String	Yes	bDXK1b8Z	The ID of the contract project to update.
Action	String	No	UpdateAntChainContractProject	The operation that you want to perform. Set the value to UpdateAntChainContractProject.
ProjectDescription	String	No	Updated project description	The new description for the contract project.
ProjectName	String	No	Updated project name	The new name for the contract project.
ProjectVersion	String	No	v1.1.1	The new version for the contract project.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	9EBD381E-A19E-4875-8771-EDA08A0416D3	The ID of the request.
Result	String	success	The result of the operation.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse":true,
  "requestId":"9EBD381E-A19E-4875-8771-EDA08A0416D3",
  "data":{
    "Result":"success",
    "RequestId":"9EBD381E-A19E-4875-8771-EDA08A0416D3"
  },
  "code":"200"
}
```

Error codes

7.31. CreateAntChainContractContent

You can call this operation to create the content of a contract project in the format of a file or folder in Ant Blockchain.

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	CreateAntChainContractContent	The operation that you want to perform. Set the value to CreateAntChainContractContent.
ContentName	String	Yes	newFile	The name of the file or folder to create.
IsDirectory	Boolean	Yes	false	Specifies whether to create a folder.
ParentContentId	String	Yes	R38DYDop	The ID of the parent directory where the file or folder to create resides.
ProjectId	String	Yes	bDXK1b8Z	The ID of the contract project to which the file or folder to create belongs.
Content	String	No	""	The content of the file or folder to create.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	C407F102-062A-44B3-BBDC-E3B2718F633D	The ID of the request.
Result			The result of the operation.
Content	String	""	The content of the created file or folder.
ContentId	String	R6XMn59e	The ID of the created file or folder.
ContentName	String	newFile	The name of the created file or folder.
CreateTime	String	1564024964404	The time when the file or folder was created.

Parameter	Type	Example	Description
IsDirectory	Boolean	false	Indicates whether a folder was created.
ParentContentId	String	R38DYDop	The ID of the parent directory where the created file or folder resides.
ProjectId	String	bDXK1b8Z	The ID of the contract project to which the created file or folder belongs.
UpdateTime	String	1564024964404	The time when the file or folder was updated.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse": true,
  "requestId": "C407F102-062A-44B3-BBDC-E3B2718F633D",
  "data": {
    "Result": {
      "ParentContentId": "R38DYDop",
      "IsDirectory": false,
      "CreateTime": 1564024964404,
      "ContentId": "R6XMn59e",
      "UpdateTime": 1564024964404,
      "ContentName": "newFile",
      "Content": "",
      "ProjectId": "bDXK1b8Z"
    },
    "RequestId": "C407F102-062A-44B3-BBDC-E3B2718F633D"
  },
  "code": "200"
}
```

Error codes

7.32. DescribeAntChainTransactionReceipt

You can call this operation to query a transaction receipt based on the hash of a transaction on a blockchain in Ant Blockchain.

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
AntChainId	String	Yes	pYogqb9v	The ID of the blockchain on which you want to query the transaction receipt.
Hash	String	Yes	b3b0d2db83d3e670449d1e2a39d1d13b7e0e6080b0f9c6945f79eca68d1dd2ca	The hash of the transaction whose transaction receipt is to be queried.
Action	String	No	DescribeAntChainTransactionReceipt	The operation that you want to perform. Set the value to DescribeAntChainTransactionReceipt.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	9EC8FDC1-ED32-4EC0-AEC2-AFAA906ADBAB	The ID of the request.
Result			The result of the operation.
Data	String	data	The returned data.
GasUsed	String	20000	The gas consumed by the transaction.
Logs		[""]	The logs of running the contract code.
Result	Long	0	The result of the operation.

Examples

Sample requests

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

Sample success responses

JSON format


```
{
  "successResponse":true,
  "requestId":"9EC8FDC1-ED32-4EC0-AEC2-AFAA906ADBAB",
  "data":{
    "Result":{
      "Result":0,
      "Logs":[
        ""
      ],
      "Data": "",
      "GasUsed":"20000"
    },
    "RequestId":"9EC8FDC1-ED32-4EC0-AEC2-AFAA906ADBAB"
  },
  "code":"200"
}
```

Error codes

7.33. DescribeAntChainNodes

You can call this operation to query the nodes on a blockchain in Ant Blockchain.

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
AntChainId	String	Yes	1q8B5R9p	The ID of the blockchain on which you want to query the nodes.
Action	String	No	DescribeAntChainNodes	The operation that you want to perform. Set the value to DescribeAntChainNodes.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	BA9738FE-F427-44FD-A1D9-EB4EFB43075A	The ID of the request.
Result		[]	The result of the operation.

Examples

Sample requests

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

Sample success responses

JSON **format**

```
{
  "successResponse": true,
  "requestId": "BA9738FE-F427-44FD-A1D9-EB4EFB43075A",
  "data": {
    "Result": [
      {
        "publicKey": "0x9934CFA59EE6CB241AEC242411BCD67D1DA8E07095FFC49DCB1102F2625031EBE9636CD6C392F675214E406C9AA55CD7F8A9EA11BD54C93258FA93BED717EACD",
        "nodeId": "0x79233E99716D28740AA0CFE0C1274C34C9E5511EE910C227999683EAF749553",
        "nodeState": 2,
        "endpoints": [
          {
            "port": "18130",
            "ip": "47.101.74.49"
          }
        ],
        "nodeType": 1
      },
      {
        "publicKey": "0x63F4F303751FB86866718A4C797CE4CD8DDBECCB2E113D5CB9B41818C6C549FEA9E559601916F0F4BDCABDC16C170ECAFA0525C8345490161124EC8386F39B93",
        "nodeId": "0x9E953C89ADA2E927F7EAE866D2F26828B330D44DD17FEA84195B902B1AD1D1B1",
        "nodeState": 2,
        "endpoints": [
          {
            "port": "18131",
            "ip": "47.101.74.49"
          }
        ],
        "nodeType": 1
      },
      {
        "publicKey": "0x1143C35FEFF1EB151AEB77C19A6ECC6FFD6BA13AA1913C60A9ADACA08AA6CB51A555ACF6E3E6B658142EB464EF2199AE41CA0EC5ACEB6514B5F56E2D2395CE78",
        "nodeId": "0x77AD62D5041B92617488A0FDD8E341C06352344FA09F614AD7FDF616C1936B92",
        "nodeState": 2,
        "endpoints": [
          {
            "port": "18132",
            "ip": "47.101.74.49"
          }
        ],
        "nodeType": 1
      },
      {
        "publicKey": "0xCD15C9C87DAB460C2F4AE48752E98AF023B8810777CAAA563E045EF04F714A8D2934998CAC00F462C81EB23B3816D39E07B81B49695FEA827342FDCEA982E3B6",
        "nodeId": "0x3F6355C92FB81904A1D9FD6E7781415A2B4455704BCFE2A8A0466302BD8EA5C8",
        "nodeState": 2,
        "endpoints": [
          {
            "port": "18133",
            "ip": "47.101.74.49"
          }
        ],
        "nodeType": 1
      }
    ]
  }
}
```

```
    }
  ],
  "nodeType": 1
}
],
"RequestId": "BA9738FE-F427-44FD-A1D9-EB4EFB43075A"
},
"code": "200"
}
```

Error codes

7.34. DescribeAntChainTransactionStatistics

You can call this operation to query the transaction statistics on a blockchain in Ant Blockchain.

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
AntChainId	String	Yes	pYogqb9v	The ID of the blockchain on which you want to query the transaction statistics.
Action	String	No	DescribeAntChainTransactionStatistics	The operation that you want to perform. Set the value to DescribeAntChainTransactionStatistics.
End	Long	No	1563897600000	The end of the time range to query.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.
Start	Long	No	1563206400000	The beginning of the time range to query.

Response parameters

Parameter	Type	Example	Description
RequestId	String	E93884AC-6C21-4FEA-8E3A-7377D33B194F	The ID of the request.
Result			The result of the operation.
AntChainId	String	pYogqb9v	The ID of the blockchain to which the transactions belong.

Parameter	Type	Example	Description
CreateTime	Long	1563294007000	The time when the statistics were generated.
Dt	String	July 16, 2019	The day on which the transactions were executed.
LastSumBlockHeight	Long	148018	The height of the latest block.
TransCount	Long	0	The total number of transactions that were executed on the day.

Examples

Sample requests

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

Sample success responses

JSON format

```
{
  "successResponse": true,
  "requestId": "E93884AC-6C21-4FEA-8E3A-7377D33B194F",
  "data": {
    "Result": [
      {
        "TransCount": 0,
        "Dt": "2019-07-16",
        "AntChainId": "pYogqb9v",
        "LastSumBlockHeight": 148018,
        "CreateTime": 1563294007000
      },
      {
        "TransCount": 1,
        "Dt": "2019-07-17",
        "AntChainId": "pYogqb9v",
        "LastSumBlockHeight": 176768,
        "CreateTime": 1563380401000
      },
      {
        "TransCount": 0,
        "Dt": "2019-07-18",
        "AntChainId": "pYogqb9v",
        "LastSumBlockHeight": 205517,
        "CreateTime": 1563466809000
      },
      {
        "TransCount": 0,
        "Dt": "2019-07-19",
        "AntChainId": "pYogqb9v",
        "LastSumBlockHeight": 234268,
        "CreateTime": 1563553209000
      },
      {

```

```

    "TransCount":0,
    "Dt":"2019-07-20",
    "AntChainId":"pYogqb9v",
    "LastSumBlockHeight":263020,
    "CreatTime":1563639601000
  },
  {
    "TransCount":0,
    "Dt":"2019-07-21",
    "AntChainId":"pYogqb9v",
    "LastSumBlockHeight":291772,
    "CreatTime":1563726001000
  },
  {
    "TransCount":1,
    "Dt":"2019-07-22",
    "AntChainId":"pYogqb9v",
    "LastSumBlockHeight":320523,
    "CreatTime":1563812401000
  },
  {
    "TransCount":26,
    "Dt":"2019-07-23",
    "AntChainId":"pYogqb9v",
    "LastSumBlockHeight":349284,
    "CreatTime":1563898810000
  }
],
"RequestId":"E93884AC-6C21-4FEA-8E3A-7377D33B194F"
},
"code":"200"
}

```

Error codes

7.35. UpdateAntChainMember

You can call this operation to update the name of a member of a consortium in Ant Blockchain.

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	UpdateAntChainMember	The operation that you want to perform. Set the value to UpdateAntChainMember.
ConsortiumId	String	Yes	AroN3X2l	The ID of the consortium to which the member to update belongs.
MemberId	String	Yes	1287126353301234	The ID of the member to update.

Parameter	Type	Required	Example	Description
MemberName	String	Yes	updatename	The new name for the member.
RegionId	String	No	cn-hangzhou	The ID of the region where Ant Blockchain is used.

Response parameters

Parameter	Type	Example	Description
RequestId	String	5BA242B2-AB0C-4D06-94EB-23CEC4F7B95E	The ID of the request.
Result	String	success	The result of the operation.

Examples

Sample requests

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

Sample success responses

XML format

```
<xml version="1.0" encoding="UTF-8">
  <code>200</code>
  <data>
    <RequestId>5BA242B2-AB0C-4D06-94EB-23CEC4F7B95E</RequestId>
    <Result>success</Result>
  </data>
  <requestId>5BA242B2-AB0C-4D06-94EB-23CEC4F7B95E</requestId>
  <successResponse>true</successResponse>
</xml>
```

JSON format

```
{
  "successResponse":true,
  "requestId":"5BA242B2-AB0C-4D06-94EB-23CEC4F7B95E",
  "data":{
    "Result":"success",
    "RequestId":"5BA242B2-AB0C-4D06-94EB-23CEC4F7B95E"
  },
  "code":"200"
}
```

Error codes

8. Hyperledger Fabric

8.1. DescribeFabricOrdererLogs

You can call this operation to query the orderer node log.

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	DescribeFabricOrdererLogs	The operation that you want to perform. Set the value to DescribeFabricOrdererLogs .
ConsortiumId	String	Yes	consortium-test-iyuso3g773ki	The ID of the consortium.
OrdererName	String	Yes	orderer1	The name of the orderer node.
Lines	String	No	50	The number of displayed lines.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	508EA949-6349-4C86-B8E7-1D90669382B1	The ID of the API request.
Result	String	Kafka.Retry.Producer.RetryMax=3	The result of the operation.
Success	Boolean	true	The result status.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeFabricOrdererLogs
&ConsortiumId=consortium-test-iyuso3g773ki
&OrdererName=orderer1
&<Common request parameters>
```

Successful response examples

XML format

```
<DescribeFabricOrdererLogsResponse>
  <RequestId>49FD299C-561E-4668-9E32-D303EE7AAA6C</RequestId>
  <ErrorCode>200</ErrorCode>
  <Success>true</Success>
  <Result>Kafka.Retry.Producer.RetryMax=3</Result>
</DescribeFabricOrdererLogsResponse>
```

JSON format

```
{
  "Result": "MIICremoteaddress=10.1.0.129:9259\n\u001B[33m2019-09-15 10:38:26.271 UTC [core.comm] Server Handshake -> WARN 02a\u001B[0m TLS handshake failed with error EOF server=Orderer remoteaddress=10.1.0.129:47100\n",
  "RequestId": "49FD299C-561E-4668-9E32-D303EE7AAA6C",
  "Success": true,
  "ErrorCode": 200
}
```

Error codes

8.2. DescribeFabricPeerLogs

You can call this operation to query the peer node log.

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	DescribeFabricPeerLogs	The operation that you want to perform. Set the value to DescribeFabricPeerLogs .
OrganizationId	String	Yes	peers-test11-tzwny25vqicq	The ID of the organization.
PeerName	String	Yes	peer1	The name of the peer node.
Lines	String	No	50	The number of displayed lines.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The status code.
RequestId	String	78A09CAF-4944-4CAE-B25D-F5B6BA27D9F5	The ID of the API request.
Result	String	xxxx	The record of the log.
Success	Boolean	true	The returned status.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeFabricPeerLogs
&OrganizationId=peers-test11-tzwny25vqicq
&PeerName=peer1
&<Common request parameters>
```

Successful response examples

XML format

```
<DescribeFabricPeerLogsResponse>
  <RequestId>F5F24C9E-3563-4E80-989A-7A84530A9B44</RequestId>
  <ErrorCode>200</ErrorCode>
  <Success>true</Success>
  <Result>xxx</Result>
</DescribeFabricPeerLogsResponse>
```

JSON format

```
{
  "Result": "xxx",
  "RequestId": "F5F24C9E-3563-4E80-989A-7A84530A9B44",
  "Success": true,
  "ErrorCode": 200
}
```

Error codes

8.3. DescribeRootDomain

You can call this operation to query the available root domains in BaaS.

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	No	DescribeRootDomain	The operation that you want to perform. Set the value to DescribeRootDomain.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the request.
Result	String	onaliyunbaas.com	The result of the operation.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample request

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

Successful response examples

XML format

```
<DescribeRootDomainResponse>
  <successResponse>true</successResponse>
  <requestId>@guid</requestId>
  <data>
    <Result>onaliyunbaas.com</Result>
  </data>
  <code>200</code>
</DescribeRootDomainResponse>
```

JSON format

```
{
  "successResponse":true,
  "requestId":"@guid",
  "data":{
    "Result":"onaliyunbaas.com"
  },
  "code":"200"
}
```

Error codes

8.4. DescribeFabricExplorer

You can call this operation to view the Fabric ledger 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	DescribeFabricExplorer	The operation that you want to perform. Set the value to DescribeFabricExplorer .
ExMethod	String	Yes	GET	The request method.
OrganizationId	String	Yes	peers-test11-tzwny25vqicq	The ID of the organization.
ExBody	String	No	{}	The request body (reserved).
ExUrl	String	No	/api/v1/channel	The request URL.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
DynamicCode	String	ExplorerException	The error code.
DynamicMessage	String	An error in the monitoring service has occurred.	The error message.
ErrorCode	Integer	200	The returned code.
RequestId	String	19E91C1D-9BD0-468F-A7DA-915263C6689F	The ID of the API request.
Result	String	xxxx	The returned result.
Success	Boolean	true	The returned status.

Examples

Sample requests

```
# Get a list of valid API versions, which is supported from version v2
http(s)://[Endpoint]/?Action=DescribeFabricExplorer&ExMethod=GET&ExUrl=/api/<Common request parameters>

# Get all channel information
http(s)://[Endpoint]/?Action=DescribeFabricExplorer&ExMethod=GET&ExUrl=/api/v1/channel<Common request parameters>

# Get the channel information of the channel named ":channel"
http(s)://[Endpoint]/?Action=DescribeFabricExplorer&ExMethod=GET&ExUrl=/api/v1/channel/:channel<Common request parameters>

# Obtain the block information in the channel named ":channel". "${limit}" indicates the maximum number of blocks to be acquired, and ${offset} indicates the starting block to be acquired. ${offset} starting from 0, it can be a negative integer.
http(s)://[Endpoint]/?Action=DescribeFabricExplorer&ExMethod=GET&ExUrl=/api/v1/channel/:channel/block?limit=${limit}&offset=${offset}&Common request parameters>

# Obtain the block information in the channel named ":channel". ":block" is blockId or blockHash
http(s)://[Endpoint]/?Action=DescribeFabricExplorer&ExMethod=GET&ExUrl=/api/v1/channel/:channel/block/:block<Common request parameters>

# Get ":tx" information in the channel named ":channel"
http(s)://[Endpoint]/?Action=DescribeFabricExplorer&ExMethod=GET&ExUrl=/api/v1/channel/:channel/tx/:tx<Common request parameters>

# Get metric information in the channel named ":channel"
# ":precision" can be minute or hour
# ":type" can be a type of block or tx
# "${left}" and "${right}" means the time interval for getting the metric, and the value needs to satisfy "new Date(${left} | right)" in javascript
http(s)://[Endpoint]/?Action=DescribeFabricExplorer&ExMethod=GET&ExUrl=/api/v1/channel/:channel/metric/:precision/:type?left=${left}&right=${right}&Common request parameters>

# Get the endorsement statistics of the channel named ":channel"
http(s)://[Endpoint]/?Action=DescribeFabricExplorer&ExMethod=GET&ExUrl=/api/v2/channel/:channel/statistics/endorser<Common request parameters>

# Get the chaincode statistics of the channel named ":channel"
http(s)://[Endpoint]/?Action=DescribeFabricExplorer&ExMethod=GET&ExUrl=/api/v2/channel/:channel/statistics/chaincode<Common request parameters>

# Get the validated transactions statistics of the channel named ":channel"
http(s)://[Endpoint]/?Action=DescribeFabricExplorer&ExMethod=GET&ExUrl=/api/v2/channel/:channel/statistics/result<Common request parameters>

# Get the caller statistics of the channel named ":channel"
http(s)://[Endpoint]/?Action=DescribeFabricExplorer&ExMethod=GET&ExUrl=/api/v2/channel/:channel/statistics/creator<Common request parameters>

# Get the endorser statistics of the chaincode named ":chaincode", in the channel named ":channel"
http(s)://[Endpoint]/?Action=DescribeFabricExplorer&ExMethod=GET&ExUrl=/api/v2/channel/:channel/statistics/chaincode/:chaincode/endorser<Common request parameters>

# Get the validated transactions statistics of the chaincode named ":chaincode", in the channel named ":channel"
http(s)://[Endpoint]/?Action=DescribeFabricExplorer&ExMethod=GET&ExUrl=/api/v2/channel/:channel/statistics/chaincode/:chaincode/result<Common request parameters>

# Get the caller statistics of the chaincode named ":chaincode", in the channel named ":channel"
http(s)://[Endpoint]/?Action=DescribeFabricExplorer&ExMethod=GET&ExUrl=/api/v2/channel/:channel/statistics/chaincode/:chaincode/creator<Common request parameters>

# Get the called function statistics of the chaincode named ":chaincode", in the channel named ":channel"
http(s)://[Endpoint]/?Action=DescribeFabricExplorer&ExMethod=GET&ExUrl=/api/v2/channel/:channel/statistics/chaincode/:chaincode/function<Common request parameters>

# Get the version statistics of the chaincode named ":chaincode", in the channel named ":channel"
http(s)://[Endpoint]/?Action=DescribeFabricExplorer&ExMethod=GET&ExUrl=/api/v2/channel/:channel/statistics/chaincode/:chaincode/version<Common request parameters>
```

Successful response examples

XML format

```
<DescribeFabricExplorerResponse>
  <RequestId>AB2560A0-EF98-462D-B9BA-D422206B94B3</RequestId>
  <ErrorCode>200</ErrorCode>
  <Success>true</Success>
  <Result>xxx</Result>
</DescribeFabricExplorerResponse>
```

JSON format

```
{
  "Result": "xxx",
  "RequestId": "AB2560A0-EF98-462D-B9BA-D422206B94B3",
  "Success": true,
  "ErrorCode": 200
}
```

Error codes

8.5. DescribeFabricConsortiumConfig

You can call this operation to obtain the value options of the parameters in the Create Consortium operation.

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	DescribeFabricConsortiumConfig	The operation that you want to perform. Set the value to DescribeFabricConsortiumConfig .
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the request.
Result			The value options of the parameters in the CreateConsortium operation.

Parameter	Type	Example	Description
ChannelPolicy		["Any"]	The policy that is used to create the channel.
OrdererType		["Solo", "Kafka"]	The type of the orderer.
Success	Boolean	true	Indicates whether the call is successful.

Examples

Sample requests

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

Successful response examples

XML format

```
<DescribeFabricConsortiumConfigResponse>
  <Result>
    <OrdererType>Solo</OrdererType>
    <OrdererType>Kafka</OrdererType>
    <ChannelPolicy>Any</ChannelPolicy>
  </Result>
  <RequestId>1D606B42-57BD-486E-8CAB-E184A1C37E57</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricConsortiumConfigResponse>
```

JSON format

```
{
  "Result": {
    "OrdererType": [
      "Solo",
      "Kafka"
    ],
    "ChannelPolicy": [
      "Any"
    ]
  },
  "RequestId": "1D606B42-57BD-486E-8CAB-E184A1C37E57",
  "ErrorCode": 200,
  "Success": true,
}
```

Error codes

8.6. DescribeFabricConsortiumSpecs

You can call this operation to query the specifications of the consortium.

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	DescribeFabricConsortiumSpecs	The operation that you want to perform. Set the value to DescribeFabricConsortiumSpecs .
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The specifications of the consortium.
Enable	Boolean	true	Indicates whether the specification is enabled. A value of true indicates that the specification is enabled. A value of false indicates that the specification is not enabled.
SpecName	String	basic	The name of the specification.
SpecTitle	String	Basic Edition	The title.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

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

Successful response examples

`XML` format

```

<DescribeFabricConsortiumSpecsResponse>
  <Result>
    <Name>basic</Name>
    <NumOfNodes>3</NumOfNodes>
    <WorkerDescription> 4 Woker (4-core 8 GB system disk, 100 BG SSD cloud disk) </WorkerDescription>
  >
    <Enable>true</Enable>
    <MasterDescription>3 Master (4C8G)</MasterDescription>
    <Title>Basic Edition</Title>
  </Result>
</Result>
  <Name>enterprise</Name>
  <NumOfNodes>3</NumOfNodes>
  <WorkerDescription> 6 Woker (8-core 16 GB system disk, 100 GB SSD cloud disk) </WorkerDescription>
n>
  <Enable>false</Enable>
  <MasterDescription>3 Master (4C8G)</MasterDescription>
  <Title>Enterprise Edition</Title>
</Result>
<Result>
  <Name>enterprise-sgx</Name>
  <NumOfNodes>3</NumOfNodes>
  <WorkerDescription> 4 Woker (ECS Bare Metal Instance, 8-core 32 GB system disk, 100 GB SSD cloud
disk) </WorkerDescription>
  <Enable>false</Enable>
  <MasterDescription>3 Master (4C8G)</MasterDescription>
  <Title>Enterprise Security Edition</Title>
</Result>
<RequestId>00984305-408B-4499-9822-5B720D96B381</RequestId>
<Success>true</Success>
<ErrorCode>200</ErrorCode>
</DescribeFabricConsortiumSpecsResponse>

```

JSON **format**


```
{
  "Result": [
    {
      "Name": "basic",
      "WorkerDescription": "4 Worker (4-core 8 GB system disk, 100 GB SSD cloud disk)",
      "NumOfNodes": 3,
      "Enable": true,
      "MasterDescription": "3 Master (4C8G)",
      "Title": "Basic Edition"
    },
    {
      "Name": "enterprise",
      "WorkerDescription": "6 Worker (8-core 16 GB system disk, 100 GB SSD cloud disk)",
      "NumOfNodes": 3,
      "Enable": false,
      "MasterDescription": "3 Master (4C8G)",
      "Title": "Enterprise Edition"
    },
    {
      "Name": "enterprise-sgx",
      "WorkerDescription": "4 Worker (ECS Bare Metal Instance, 8-core 32 GB system disk, 100 GB SSD cloud disk)",
      "NumOfNodes": 3,
      "Enable": false,
      "MasterDescription": "3 Master (4C8G)",
      "Title": "Enterprise Security Edition"
    }
  ],
  "RequestId": "00984305-408B-4499-9822-5B720D96B381",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.7. DescribeFabricConsortiumOrderers

You can call this operation to obtain the orderers of the consortium.

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	DescribeFabricConsortiumOrderers	The operation that you want to perform. Set the value to DescribeFabricConsortiumOrderers .
ConsortiumId	String	Yes	consortium-aaaaaa-akpcsjjac2jd	The ID of the consortium.

Parameter	Type	Required	Example	Description
Location	String	No	cn-hangzhou	The location.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The orderers of the consortium.
CreateTime	String	1544411108000	The time when the consortium was created.
Domain	String	domain	The domain name.
InstanceType	String	ecs.n1.small	The instance type.
OrdererName	String	order1	The name of the orderer.
Port	Integer	7050	The port of the orderer.
UpdateTime	String	1544411108000	The time when the orderer was last updated.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeFabricConsortiumOrderers
&ConsortiumId=consortium-aaaaaa-akpcsjjac2jd
&<Common request parameters>
```

Successful response examples

XML format

```
<DescribeFabricConsortiumOrderersResponse>
  <Result>
    <OrdererName>order1</OrdererName>
    <Port>7050</Port>
    <Domain>ordasdaerer1.orzxczcZXXweqwxsczxxXcxzxXzg1.alumunum.com</Domain>
    <CreateTime>2018-07-01 09:00:00</CreateTime>
    <UpdateTime>2018-07-02 09:00:00</UpdateTime>
    <InstanceType>ecs.n1.small</InstanceType>
  </Result>
  <Result>
    <OrdererName>order2</OrdererName>
    <Port>7050</Port>
    <Domain>orderer2.org1.alumunum.com</Domain>
    <CreateTime>2018-07-01 09:00:00</CreateTime>
    <UpdateTime>2018-07-02 09:00:00</UpdateTime>
    <InstanceType>ecs.n1.small</InstanceType>
  </Result>
  <RequestId>98B37CF5-AB0C-423E-8335-81A54899577E</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricConsortiumOrderersResponse>
```

JSON **format**

```
{
  "Result": [
    {
      "Port": 7050,
      "Domain": "ordasdaerer1.orzxczcZXXweqwxsczxxXcxzxXzg1.alumunum.com",
      "CreateTime": "2018-07-01 09:00:00",
      "UpdateTime": "2018-07-02 09:00:00",
      "OrdererName": "order1",
      "InstanceType": "ecs.n1.small"
    },
    {
      "Port": 7050,
      "Domain": "orderer2.org1.alumunum.com",
      "CreateTime": "2018-07-01 09:00:00",
      "UpdateTime": "2018-07-02 09:00:00",
      "OrdererName": "order2",
      "InstanceType": "ecs.n1.small"
    }
  ],
  "RequestId": "98B37CF5-AB0C-423E-8335-81A54899577E",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.8. AcceptFabricInvitation

You can call this operation to accept the invitation to join a consortium.

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	AcceptFabricInvitation	The operation that you want to perform. Set the value to AcceptFabricInvitation .
Code	String	Yes	secrettoken	The invitation code.
IsAccepted	Boolean	No	true	Indicates whether you have accepted the invitation. A value of true indicates that you have accepted the invitation. A value of false indicates that you have declined the invitation.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	52CC8D5B-79A8-4769-BC7B-8940556ADA49	The ID of the API request.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

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

Successful response examples

XML format

```
<AcceptFabricInvitationReseponse>
  <RequestId>52CC8D5B-79A8-4769-BC7B-8940556ADA49</RequestId>
  <ErrorCode>200</ErrorCode>
  <Success>true</Success>
</AcceptFabricInvitationReseponse>
```

JSON format

```
{
  "RequestId": "52CC8D5B-79A8-4769-BC7B-8940556ADA49",
  "Success": true,
  "ErrorCode": 200
}
```

Error codes

8.9. JoinFabricChannel

You can call this operation to confirm to join the channel.

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	JoinFabricChannel	The operation that you want to perform. Set the value to JoinFabricChannel .
ChannelId	String	Yes	chan-channelx-1l1hmckuu****	The ID of the channel.
Do	String	Yes	accept	The operation.
Location	String	No	cn-hangzhou	The location.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The result of the operation.
AcceptTime	String	1533025590	The time when the user accepted the invitation to join a channel.
ApproveTime	String	1533025590	The time when the application was approved.

Parameter	Type	Example	Description
ChannelId	String	channelid	The ID of the channel.
ConfirmTime	String	1533025590	The time when the application to join a channel was confirmed.
DestroyTime	String	1533025590	The time when the application to join a channel was declined.
InviteTime	String	1533025590	The time when the invitation was made.
OrganizationId	String	peers-aaaaaa2-1eqnj5o5w9dt3	The ID of the organization.
State	String	Running	The status.
WithPeer	Boolean	true	Indicated whether peer nodes are contained.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=JoinFabricChannel
&ChannelId=chan-channelx-111hmckuu****
&Do=accept
&<Common request parameters>
```

Successful response examples

XML **format**

```
<JoinFabricChannelResponse>
  <Result>
    <InviteTime>2018-06-21T13:41:48.000+0000</InviteTime>
    <ChannelId>ch-2n5fgcikopo4al</ChannelId>
    <WithPeer>true</WithPeer>
    <ApproveTime>2018-06-21T13:41:48.000+0000</ApproveTime>
    <ConfirmTime>2018-06-21T13:41:48.000+0000</ConfirmTime>
    <DestroyTime>2018-06-21T13:41:48.000+0000</DestroyTime>
    <State>Accepted</State>
    <OrganizationId>org1</OrganizationId>
    <AcceptTime>2018-06-21T13:41:48.000+0000</AcceptTime>
  </Result>
  <RequestId>7D27692E-C501-4B1D-878C-0B869DD3D9E6</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</JoinFabricChannelResponse>
```

JSON format

```
{
  "Result": {
    "ChannelId": "ch-2n5fgcikopo4a1",
    "InviteTime": "2018-06-21T13:41:48.000+0000",
    "WithPeer": true,
    "State": "Accepted",
    "ApproveTime": "2018-06-21T13:41:48.000+0000",
    "ConfirmTime": "2018-06-21T13:41:48.000+0000",
    "OrganizationId": "org1",
    "DestroyTime": "2018-06-21T13:41:48.000+0000",
    "AcceptTime": "2018-06-21T13:41:48.000+0000"
  },
  "RequestId": "7D27692E-C501-4B1D-878C-0B869DD3D9E6",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.10. DescribeFabricInviter

You can call this operation to obtain the information of the inviter.

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	DescribeFabricInviter	The operation that you want to perform. Set the value to DescribeFabricInviter .
Code	String	Yes	200	The invitation code.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	C445762C-8909-4BD8-A2BD-BB45BF2441D8	The ID of the API request.
Result			The information list of the inviter.

Parameter	Type	Example	Description
ConsortiumId	String	consortium-lianmenyumingyi-hc5d1bwl****	The ID of the consortium.
ConsortiumName	String	name	The name of the consortium.
ExpireTime	String	1544411108000	The time when the invitation expires.
InviterId	Long	3524234	The ID of the inviter.
InviterName	String	name	The inviter.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeFabricInviter
&Code=200
&<Common request parameters>
```

Successful response examples

XML format

```
<DescribeFabricInviterResponse>
  <Result>
    <ConsortiumId>10000</ConsortiumId>
    <ExpireTime>1544411108000</ExpireTime>
    <InviterId>35242340</InviterId>
    <ConsortiumName>quickstart</ConsortiumName>
    <InviterName>name</InviterName>
  </Result>
  <RequestId>C445762C-8909-4BD8-A2BD-BB45BF2441D8</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricInviterResponse>
```

JSON format


```
{
  "Result": [
    {
      "ConsortiumName": "quickstart",
      "ConsortiumId": "10000",
      "InviterName": "name",
      "ExpireTime": 1544411108000,
      "InviterId": 35242340
    }
  ],
  "RequestId": "C445762C-8909-4BD8-A2BD-BB45BF2441D8",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.11. DescribeFabricChannelMembers

You can call this operation to query the member list of a channel.

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	DescribeFabricChannelMembers	The operation that you want to perform. Set the value to DescribeFabricChannelMembers .
ChannelId	String	Yes	chan-channelx-1l1hmckuu****	The ID of the channel.
RegionId	[DNT]String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			You can call this operation to query the members in the channel.
AcceptTime	String	1544411108000	The time when the member was accepted.

Parameter	Type	Example	Description
ChannelId	String	chan-channelx-1l1hmckuuixso	The ID of the channel.
InviteTime	String	1544411108000	The time when the member was invited.
OrganizationDescription	String	description	The description of the organization.
OrganizationDomain	String	hello	The domain name of the organization.
OrganizationId	String	peers-aaaaaa1-1oxw31d046jtl	The ID of the organization.
OrganizationName	String	name	The name of the organization.
State	String	Running	The status.
WithPeer	Boolean	true	Indicated whether peer nodes are contained.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeFabricChannelMembers
&ChannelId=chan-channelx-1l1hmckuu****
&<Common request parameters>
```

Successful response examples

XML **format**

```
<DescribeFabricChannelMembersResponse>
  </Result>
    <OrganizationName>myorg</OrganizationName>
    <InviteTime>2018-07-23T01:53:53.000+0000</InviteTime>
    <ChannelId>chan-cc1-2f019cd394****</ChannelId>
    <WithPeer>true</WithPeer>
    <OrganizationDescription></OrganizationDescription>
    <OrganizationDomain>zhuangADSADSDAACZXsdfadsdfaefac1.absdasssample.cc</OrganizationDomain>
    <State>Accepted</State>
    <OrganizationId>peers-zhuang1-2kna27h5m3c913</OrganizationId>
    <AcceptTime>2018-07-24T02:35:53.000+0000</AcceptTime>
  </Result>
  <RequestId>3E85A941-658C-40E8-9704-60513A0281CF</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricChannelMembersResponse>
```

JSON format

```
{
  "Result": {
    "ChannelId": "chan-ccl-2f019cd394****",
    "InviteTime": "2018-07-23T01:53:53.000+0000",
    "OrganizationDescription": "",
    "OrganizationDomain": "zhuangADSADSDAACZXsdfadsdfaesfac1.absdasssample.cc",
    "WithPeer": true,
    "State": "Accepted",
    "OrganizationId": "peers-zhuang1-2kna27h5m3c913",
    "AcceptTime": "2018-07-24T02:35:53.000+0000",
    "OrganizationName": "myorg"
  },
  "RequestId": "3E85A941-658C-40E8-9704-60513A0281CF",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.12. CreateFabricChaincode

You can call this operation to create a chaincode.

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	CreateFabricChaincode	The operation that you want to perform. Set the value to CreateFabricChaincode .
ChannelId	String	Yes	chan-first-channel-1w55v3u39x2xz	The ID of the channel.
ConsortiumId	String	Yes	consortium-aaaaaa-akpcsjjac2jd	The ID of the consortium.
OrganizationId	String	Yes	peers-aaaaaa1-1oxw31d046jtl	The ID of the organization.
OssBucket	String	Yes	https://chaincode.oss-cn-beijing.aliyuncs.com	The IP address of the OSS bucket.
OssUrl	String	Yes	aaaaaa1/a0cf8729-7d47-44c9-9ed5-6d2fdfc8dc2c/sacc.cc	The IP address of the OSS object.
EndorsePolicy	String	No	OR ('aaaaaa1MSP.peer')	The endorsement policy.

Parameter	Type	Required	Example	Description
Location	String	No	cn-hangzhou	The location information.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	CD264CC8-B892-4CDC-BD31-7D179EE6E396	The ID of the API request.
Result			The result.
ChaincodeId	String	code-sacc-1pr09q7jmo0np	The ID of the chaincode.
ChaincodeName	String	mychaincode	The name of the chaincode.
ChaincodeVersion	String	1.0	The version of the chaincode.
ChannelName	String	first-channel	The name of the channel.
ConsortiumId	String	consortium-aaaaaa-akpcsjjac2jd	The ID of the consortium.
CreateTime	String	1544766801000	The time when the chaincode was created.
DeployTime	String	1544766801000	The time when the chaincode was deployed.
EndorsePolicy	String	OR ('aaaaaa1MSP.peer')	The endorsement policy.
Input	String	string	The input.
Install	Boolean	true	Indicates whether the chaincode is installed. A value of true indicates that the chaincode is installed. A value of false indicates that the chaincode has not been installed.
Message	String	string	The message.
Path	String	go-sdk-demo/chaincode/src	The path.

Parameter	Type	Example	Description
ProviderId	String	peers-aaaaaa1-1oxw31d046jtl	The ID of the chaincode uploader.
ProviderName	String	peers-aaaaaa1-1oxw31d046jtl	The name of the chaincode uploader.
State	String	Instantiatable	The status.
Type	Integer	1	The type of the chaincode.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=CreateFabricChaincode
&ChannelId=chan-first-channel-1w55v3u39x2xz
&ConsortiumId=consortium-aaaaaa-akpcsjjac2jd
&OrganizationId=peers-aaaaaa1-1oxw31d046jtl
&OssBucket=https://chaincode.oss-cn-beijing.aliyuncs.com
&OssUrl=aaaaaa1/a0cf8729-7d47-44c9-9ed5-6d2fd8c8dc2c/sacc.cc
&<Common request parameters>
```

Successful response examples

XML **format**

```
<CreateFabricChaincodeResponse>
  <Result>
    <ChaincodeName>sacc</ChaincodeName>
    <ChannelId>chan-first-channel-1w55v3u39x2xz</ChannelId>
    <State>Instantiatable</State>
    <ConsortiumId>consortium-aaaaaa-akpcsjjac2jd</ConsortiumId>
    <Creator>aaaaaa1</Creator>
    <CreateTime>1544766801000</CreateTime>
    <Install>true</Install>
    <ChannelName>first-channel</ChannelName>
    <ChaincodeVersion>1.0</ChaincodeVersion>
    <EndorsePolicy>OR (&#39;aaaaaa1MSP.peer&#39;)</EndorsePolicy>
    <ChaincodeId>code-sacc-1pr09q7jmo0np</ChaincodeId>
  </Result>
  <RequestId>50B3ACF3-CE12-433C-A834-9E8C657A4934</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</CreateFabricChaincodeResponse>
```

JSON **format**

```
{
  "Result": [
    {
      "ChannelId": "chan-first-channel-1w55v3u39x2xz",
      "ChaincodeVersion": "1.0",
      "Install": "true",
      "ConsortiumId": "consortium-aaaaaa-akpcsjjac2jd",
      "State": "Instantiatable",
      "ChaincodeName": "sacc",
      "Creator": "aaaaaa1",
      "CreateTime": 1544766801000,
      "ChannelName": "first-channel",
      "EndorsePolicy": "OR (&#39;aaaaaa1MSP.peer&#39;)",
      "ChaincodeId": "code-sacc-1pr09q7jmo0np"
    }
  ],
  "RequestId": "50B3ACF3-CE12-433C-A834-9E8C657A4934",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

HttpCode	Error code	Error message	Description
400	ChaincodeDuplicated	The chaincode [%s] of version [%s] already exists. Change the name or the version of the chaincode.	The error message will be returned when the chaincode [%s] of version [%s] already exists. Change the name or the version of the chaincode.
400	ChaincodeInvalid	The format of the chaincode package is invalid.	The error message will be returned when the format of the chaincode is invalid.

8.13. DescribeFabricOrganizations

You can call this operation to query the list of organizations.

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	DescribeFabricOrganizations	The operation that you want to perform. Set the value to DescribeFabricOrganizations .
Location	String	No	cn-hangzhou	The location.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The list of organizations.
CodeName	String	name	The prefix of the domain name.
ConsortiumCount	Integer	2	The number of consortia.
CreateTime	String	1533025590	The time when the node was created.
Domain	String	domain	The domain name.
OrganizationDescription	String	desc	The description of the organization.
OrganizationId	String	peers-aaaaaa2-1eqnj5o5w9dt3	The ID of the organization.
OrganizationName	String	name	The name of the organization.
OwnerBid	String	bid	The business ID of the creator.
OwnerName	String	name	The user who created the organization.
OwnerUid	Integer	1232	The user ID of the creator.
PeerCount	Integer	3	The number of nodes.
RegionId	String	cn-hangzhou	The ID of the region.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
SpecName	String	basic	The name of the specification.
State	String	Running	The status.
UserCount	Integer	10	The number of users.

Parameter	Type	Example	Description
ZoneId	String	zone	The available zone.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

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

Successful response examples

XML format

```
<DescribeFabricOrganizationsResponse>
  <Result>
    <OrganizationDescription>perf9141pe rf9141perf 9141perf9 141perf9141perf9141perf9 141pe rf9141pe
rf91 41perf914 1perf9141perf 9141perf9141perf9141perf9141</OrganizationDescription>
    <Domain>perf9141perf9adsadasdasdasdadaasd141perf9141pef9141.abasssample.cc</Domain>
    <ZoneId>cn-shanghai-a</ZoneId>
    <OrganizationId>org-perf9141-7digc7lbg</OrganizationId>
    <OrganizationName>organization ConsortiumId ConsortiumId ads ConsortiumId sdaConsortiumId</Organ
izationName>
    <ConsortiumCount>0</ConsortiumCount>
    <UserCount>0</UserCount>
    <SpecName>ecs.n1.medium</SpecName>
    <State>Created</State>
    <RegionId>cn-shanghai</RegionId>
    <RequestId>BEB5EB54-414E-4EF9-8C8A-F1AE2EF7BA2D</RequestId>
    <CreateTime>2018-07-02T08:22:26.000+0000</CreateTime>
    <CodeName>perf9141</CodeName>
    <PeerCount>2</PeerCount>
  </Result>
  <RequestId>7D27692E-C501-4B1D-878C-0B869DD3D9E6</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricOrganizationsResponse>
```

JSON format


```
{
  "Result": {
    "Domain": "perf9141perf9adsadasdasdasdadaasdl41perf9141pef9141.abasssample.cc",
    "ZoneId": "cn-shanghai-a",
    "OrganizationId": "org-perf9141-7digc71bg",
    "OrganizationName": "organization ConsortiumId ConsortiumId ads ConsortiumId sdaConsortiumId",
    "OrganizationDescription": "perf9141pe rf9141perf 9141perf9 141perf9141perf9141perf9 141pe rf9141perf 91 41perf914 1perf9141perf 9141perf9141perf9141perf9141",
    "ConsortiumCount": 0,
    "UserCount": 0,
    "SpecName": "ecs.nl.medium",
    "State": "Created",
    "RegionId": "cn-shanghai",
    "RequestId": "BEB5EB54-414E-4EF9-8C8A-F1AE2EF7BA2D",
    "CreateTime": "2018-07-02T08:22:26.000+0000",
    "CodeName": "perf9141",
    "PeerCount": 2
  },
  "RequestId": "7D27692E-C501-4B1D-878C-0B869DD3D9E6",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.14. DescribeFabricCandidateOrganizations

You can call this operation to query the organizations that receive the invitation.

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	DescribeFabricCandidateOrganizations	The operation that you want to perform. Set the value to DescribeFabricCandidateOrganizations .
Location	String	No	cn-hangzhou	The location.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.

Parameter	Type	Example	Description
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The result of the operation.
ClusterState	String	Running	The status of the cluster.
OrganizationId	String	peers-1oxw31d04****	The ID of the organization.
OrganizationName	String	org1	The name of the organization.
ServiceState	String	Running	The status of the service.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

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

Successful response examples

XML format

```
<DescribeFabricCandidateOrganizationsResponse>
  <Result>
    <ClusterState>Serving</ClusterState>
    <OrganizationId>org-3hke7gfkjh****</OrganizationId>
    <ServiceState>Created</ServiceState>
    <OrganizationName>blockchain_ruiqi_test</OrganizationName>
  </Result>
  <Result>
    <ClusterState>Serving</ClusterState>
    <OrganizationId>org-2nba94f601****</OrganizationId>
    <ServiceState>Failed</ServiceState>
    <OrganizationName>test</OrganizationName>
  </Result>
  <RequestId>1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricCandidateOrganizationsResponse>
```

JSON format

```
{
  "Result": [
    {
      "ClusterState": "Serving",
      "OrganizationId": "org-3hke7gfkjh****",
      "ServiceState": "Created",
      "OrganizationName": "blockchain_ruiqi_test"
    },
    {
      "ClusterState": "Serving",
      "OrganizationId": "org-2nba94f601****",
      "ServiceState": "Failed",
      "OrganizationName": "test"
    }
  ],
  "RequestId": "1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3",
  "ErrorCode": 200,
  "Success": true,
}
```

Error codes

8.15. DescribeFabricChaincodeUploadPolicy

You can call this operation to obtain the policy that is used to upload the chaincode.

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	DescribeFabricChaincodeUploadPolicy	The operation that you want to perform. Set the value to DescribeFabricChaincodeUploadPolicy .
OrganizationId	String	Yes	peers-aaaaaa1-1oxw31d04****	The ID of the organization.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.

Parameter	Type	Example	Description
Result			The result of the operation.
AccessId	String	accessId	The ID that is used to access OSS.
Dir	String	test3/4bd1de21-2fff-4405-a8e9-f864c4bee24f	The directory where the chaincode is uploaded.
Expire	Integer	1533025590	The time when the user expires.
Host	String	https://chaincode.oss-cn-beijing.aliyuncs.com	The domain name of OSS.
Policy	String	eyJleHBpcmF0aW9uIjojMjAxOC0wNy0zMVQwODoyNj0zMCA0NzdaIiwiaW9uZG10aW9ucyI6W1siY29udGVudC1sZW5ndGgtcmFuZ2UiLDAsMTA0ODU3NjAwMF0sWyJzdGFydHMtd2l0aCIiRrZXkiLCJ0ZXN0My80YmQxZGUyMS0yZmZmLTQ0MDUtYThtOSlmdDY0YzRiZWUyNGYiXV19</Policy>	The security policy of the OSS instance.
Signature	String	signature	The signature of the OSS instance.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeFabricChaincodeUploadPolicy
&OrganizationId=peers-aaaaaa1-10xw3ld04****
&<Common request parameters>
```

Successful response examples

XML format

```
<DescribeFabricChaincodeUploadPolicyResponse>
  <Result>
    <Dir>t/4bd1de21-2fff-4</Dir>
    <Host>https://oss.aliyuncs.com</Host>
    <Policy>eyJleHBpcmF0aW9uIjojMjAxOC0wNy0zMVQwODoyNj0zMCA0NzdaIiwiaW9uZG10aW9ucyI6W1siY29udGVudC1sZW5ndGgtcmFuZ2UiLDAsMTA0ODU3NjAwMF0sWyJzdGFydHMtd2l0aCIiRrZXkiLCJ0ZXN0My80YmQxZGUyMS0yZmZmLTQ0MDUtYThtOSlmdDY0YzRiZWUyNGYiXV19</Policy>
    <Expire>1533025590</Expire>
    <AccessId>accessId</AccessId>
    <Signature>klI/signature=</Signature>
  </Result>
  <RequestId>540BFE13-BDE5-40B9-BCDD-F2E24B6D064F</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricChaincodeUploadPolicyResponse>
```

JSON format

```
{
  "Result": {
    "Dir": "t/4bd1de21-2fff-4",
    "Host": "https://oss.aliyuncs.com",
    "Policy": "eyJleHBpcmF0aW9uIjoiaWJAxOC0wNy0zMVQwODoyNjozMCA0NzdaIiwiaWY29uZG10aW9ucyI6WlsiY29udGVudC1sZW5ndGgtcmFuZ2UiLDAsMTA0ODU3NjAwMF0sWyJzdGFydHMTd2l0aCIsIiRrZXkiLCJ0ZXN0My80YmQxZGUyMS0yZmZmLTQ0MDUtYThlOSlmODY0YzRiZWUyNGYiXV19",
    "Expire": 1533025590,
    "AccessId": "accessId",
    "Signature": "k1I/signature="
  },
  "RequestId": "540BFE13-BDE5-40B9-BCDD-F2E24B6D064F",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.16. ConfirmFabricConsortiumMember

You can call this operation to confirm applications submitted by consortium members.

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	ConfirmFabricConsortiumMember	The operation that you want to perform. Set the value to ConfirmFabricConsortiumMember .
ConsortiumId	String	Yes	consortium-aaaaaa-akpcsjjac2jd	The ID of the consortium.
Organization.N.OrganizationId	String	No	peers-aaaaaa1-1oxw31d046jtl	The ID list of the organization.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	50B3ACF3-CE12-433C-A834-9E8C657A4934	The ID of the API request.

Parameter	Type	Example	Description
Result	Boolean	true	The result of the operation.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=ConfirmFabricConsortiumMember
&ConsortiumId=consortium-aaaaaa-akpcsjjac2jd
&<Common request parameters>
```

Successful response examples

XML format

```
<ConfirmFabricConsortiumMemberResponse>
  <Result>true</Result>
  <RequestId>39444730-DCF6-453E-931C-C6294F9CB187</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</ConfirmFabricConsortiumMemberResponse>
```

JSON format

```
{
  "Result": "true",
  "RequestId": "39444730-DCF6-453E-931C-C6294F9CB187",
  "ErrorCode": "200",
  "Success": "true"
}
```

Error codes

8.17. DescribeFabricOrganizationChaincodes

You can call this operation to obtain the chaincodes of the organization.

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	DescribeFabricOrganizationChaincodes	The operation that you want to perform. Set the value to DescribeFabricOrganizationChaincodes .

Parameter	Type	Required	Example	Description
OrganizationId	String	Yes	peers-aaaaaa2-1eqnj5o5w****	The ID of the organization.
Location	String	No	cn-hangzhou	The location information.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The chaincodes of an organization.
ChaincodeId	String	code-sacc-1pr09q7jmo0np	The ID of the chaincode.
ChaincodeName	String	mycc	The name of the chaincode.
ChaincodeVersion	String	0.3	The version of the chaincode.
ChannelId	String	chan-first-channel-31hlgpen5k5lig	The ID of the channel.
ChannelName	String	first-channel	The name of the channel.
ConsortiumId	String	consortium-lianmenyumingyi-hc5d1bwlg7	The ID of the consortium.
CreateTime	String	1533025590	The time when the chaincode was created.
Creator	String	uid-23425	The user who created the chaincode.
DeployTime	String	1533025590	The time when the chaincode was deployed.
EndorsePolicy	String	OR ('perf9141MSP.member ')	The endorsement policy.

Parameter	Type	Example	Description
Installed	String	Installed	Indicates whether the chaincode is installed. A value of true indicates that the chaincode is installed. A value of false indicates that the chaincode is not installed.
Message	String	OK	The message.
State	String	RUNNING	The status. Valid values: • CHECKING • ERROR • INSTALLABLE • INSTALLED • RUNNING • UPGRADABLE
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeFabricOrganizationChaincodes
&OrganizationId=peers-aaaaaa2-1eqnj5o5w****
&<Common request parameters>
```

Successful response examples

`XML` format


```

<DescribeFabricOrganizationChaincodesResponse>
  <Result>
    <ChaincodeName>sacc</ChaincodeName>
    <ChannelId>chan-first-channel-31hlgpen5k5lig</ChannelId>
    <State>Instantiatable</State>
    <ConsortiumId>10000</ConsortiumId>
    <Creator>perf9141</Creator>
    <CreateTime>2018-08-19T02:00:21.000+0000</CreateTime>
    <Installed>Installed</Installed>
    <DeployTime>2018-08-19T08:24:32.000+0000</DeployTime>
    <ChannelName>first-channel</ChannelName>
    <ChaincodeVersion>1.0.6</ChaincodeVersion>
    <EndorsePolicy>OR (&#39;perf914MSP.member&#39;)</EndorsePolicy>
    <ChaincodeId>code-sacc-lai2bl6lgb6bf</ChaincodeId>
    <Message>OK</Message>
  </Result>
  <Result>
    <ChaincodeName>sacc</ChaincodeName>
    <ChannelId>chan-first-channel-31hlgpen5k5lig</ChannelId>
    <State>Upgradable</State>
    <ConsortiumId>10000</ConsortiumId>
    <Creator>perf9143</Creator>
    <CreateTime>2018-08-19T02:15:54.000+0000</CreateTime>
    <Installed>Installed</Installed>
    <ChannelName>first-channel</ChannelName>
    <ChaincodeVersion>1.0.7</ChaincodeVersion>
    <EndorsePolicy>OR (&#39;perf9143MSP.member&#39;)</EndorsePolicy>
    <ChaincodeId>code-sacc-a236mc8gm9m9</ChaincodeId>
    <Message>OK</Message>
  </Result>
  <RequestId>C741EF76-4F31-40BF-B286-E87C9D3E7232</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricOrganizationChaincodesResponse>

```

JSON **format**

```
{
  "Result": [
    {
      "ConsortiumId": "10000",
      "Message": "OK",
      "Creator": "perf9143",
      "DeployTime": "2018-08-19T08:43:26.000+0000",
      "ChannelName": "first-channel",
      "EndorsePolicy": "OR (&#39;perf9143MSP.member&#39;)",
      "ChannelId": "chan-first-channel-31hlgpen5k5lig",
      "ChaincodeVersion": "1.0.10",
      "ChaincodeName": "sacc",
      "State": "Upgradable",
      "CreateTime": "2018-08-19T08:37:33.000+0000",
      "Installed": "Installed",
      "ChaincodeId": "code-sacc-nbk70pidp2jm7"
    },
    {
      "ConsortiumId": "10000",
      "Message": "OK",
      "Creator": "perf9141",
      "DeployTime": "2018-08-19T08:46:02.000+0000",
      "ChannelName": "first-channel",
      "EndorsePolicy": "OR (&#39;perf9141MSP.member&#39;)",
      "ChannelId": "chan-first-channel-31hlgpen5k5lig",
      "ChaincodeVersion": "1.0.11",
      "ChaincodeName": "sacc",
      "State": "Upgradable",
      "CreateTime": "2018-08-19T08:38:18.000+0000",
      "Installed": "Installed",
      "ChaincodeId": "code-sacc-2bpegdo9mfchod"
    }
  ],
  "RequestId": "C741EF76-4F31-40BF-B286-E87C9D3E7232",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.18. DescribeFabricConsortiumMembers

You can call this operation to query the organizations of the consortium.

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	DescribeFabricConsortiumMembers	The operation that you want to perform. Set the value to DescribeFabricConsortiumMembers .

Parameter	Type	Required	Example	Description
ConsortiumId	String	Yes	consortium-lianmenyumingyi-hc5d1bwl****	The ID of the consortium.
Location	String	No	cn-hangzhou	The location.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The organizations of a consortium.
ConsortiumId	String	consortium-lianmenyumingyi-hc5d1bwlg7	The ID of the consortium.
Description	String	description	The description of the member.
Domain	String	domain	The domain name.
JoinedTime	String	1544411108000	The time when the organization joined the consortium.
OrganizationId	String	peers-aaaaaa2-1eqnj5o5w9dt3	The ID of the organization.
OrganizationName	String	name	The name of the organization.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeFabricConsortiumMembers
&ConsortiumId=consortium-lianmenyumingyi-hc5d1bwl****
&<Common request parameters>
```

Successful response examples

XML format

```
<DescribeFabricConsortiumMembersResponse>
  </Result>
  <OrganizationName> Test 3 </OrganizationName>
  <Description>Test 3</Description>
  <Domain>test3asdasdafreqewqdsafsdw3easda.abasssample.cc</Domain>
  <JoinedTime>2018-07-31T08:08:01.000+0000</JoinedTime>
  <ConsortiumId>consortium-testthree-3i6j6d8ian5668</ConsortiumId>
  <OrganizationId>peers-test3-25c96n9n6jh3dc</OrganizationId>
</Result>
<RequestId>98B37CF5-AB0C-423E-8335-81A54899577E</RequestId>
<Success>true</Success>
<ErrorCode>200</ErrorCode>
</DescribeFabricConsortiumMembersResponse>
```

JSON format

```
{
  "Result": [
    {
      "Description": "Test 3",
      "ConsortiumId": "consortium-testthree-3i6j6d8ian5668",
      "JoinedTime": "2018-07-31T08:08:01.000+0000",
      "Domain": "test3asdasdafreqewqdsafsdw3easda.abasssample.cc",
      "OrganizationId": "peers-test3-25c96n9n6jh3dc",
      "OrganizationName": "Test 3"
    }
  ],
  "RequestId": "98B37CF5-AB0C-423E-8335-81A54899577E",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.19. DescribeFabricConsortiumAdminStatus

You can call this operation to query the management status of the consortium.

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	DescribeFabricConsortiumAdminStatus	The operation that you want to perform. Set the value to DescribeFabricConsortiumAdminStatus .
Location	String	No	cn-hangzhou	The location.

Parameter	Type	Required	Example	Description
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The management status of the consortium.
ConsortiumAdministrator	Boolean	true	Indicates whether the ID belongs to the consortium creator.
ConsortiumId	String	consortium-lianmenyumingyi-hc5d1bwlulg7	The ID of the consortium.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

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

Successful response examples

XML format

```
<DescribeFabricConsortiumAdminStatusResponse>
  <Result>
    <ConsortiumId>10000</ConsortiumId>
    <ConsortiumAdministrator>true</ConsortiumAdministrator>
  </Result>
  <Result>
    <ConsortiumId>10001</ConsortiumId>
    <ConsortiumAdministrator>false</ConsortiumAdministrator>
  </Result>
  <RequestId>3E85A941-658C-40E8-9704-60513A0281CF</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricConsortiumAdminStatusResponse>
```

JSON format

```
{
  "Result": [
    {
      "ConsortiumId": "10000",
      "ConsortiumAdministrator": true
    },
    {
      "ConsortiumId": "10001",
      "ConsortiumAdministrator": false
    }
  ],
  "RequestId": "3E85A941-658C-40E8-9704-60513A0281CF",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.20. InstallFabricChaincode

You can call this operation to install the chaincode.

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	InstallFabricChaincode	The operation that you want to perform. Set the value to InstallFabricChaincode .
ChaincodeId	String	Yes	chan-channelx-1l1hmckuuisxo	The ID of the chaincode.
OrganizationId	String	Yes	peers-aaaaaa2-1eqnj5o5w9dt3	The ID of the organization.
Location	String	No	cn-hangzhou	The location.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.

Parameter	Type	Example	Description
Result			The result of the operation.
ChaincodeId	String	cc-198jejf8f8chi8	The ID of the chaincode.
ChaincodeName	String	mychannel	The name of the chaincode.
ChaincodeVersion	String	1.0	The version of the chaincode.
ChannelName	String	mychannel	The name of the channel.
ConsortiumId	String	consortium- lianmenyumingyi- hc5d1bwlulg7	The ID of the consortium.
CreateTime	String	1533025590	The time when the organization was created.
DeployTime	String	1533025590	The time when the chaincode was deployed.
EndorsePolicy	String	OR ("perf9141MSP.member")	The endorsement policy.
Input	String	input	The input property of the chaincode.
Install	Boolean	false	Indicates whether the chaincode is installed. A value of true indicates that the chaincode is installed. A value of false indicates that the chaincode is not installed.
Message	String	ok	The message.
Path	String	github.com/hyperledger/fabric-samples/chaincode/sa cc	The path of the chaincode.
ProviderId	String	providerid	The ID of the user who uploaded the chaincode.
ProviderName	String	prvidername	The user who uploaded the chaincode.
State	String	Pending	The status.
Type	Integer	1	The type of the chaincode.

Parameter	Type	Example	Description
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]? Action=InstallFabricChaincode
&ChaincodeId=chan-channelx-111hmckuuisxo
&OrganizationId=peers-aaaaaa2-1eqnj5o5w9dt3
&<Common request parameters>
```

Successful response examples

XML format

```
<InstallFabricChaincodeResponse>
  <Result>
    <install>false</install>
    <channelName>mychannel</channelName>
    <input>args:&quot;john&quot; args:&quot;10&quot; </input>
    <ChaincodeName>mycc3</ChaincodeName>
    <Path>github.com/hyperledger/fabric-samples/chaincode/sacc</Path>
    <state>Running</state>
    <chaincodeId>cc-198jejf8f8chi8</chaincodeId>
    <type>1</type>
    <ChaincodeVersion>0.1</ChaincodeVersion>
    <ConsortiumId>consortium-lianmenyumingyi-hc5dlbwlulg7</ConsortiumId>
    <CreateTime>1533025590</CreateTime>
    <EndorsePolicy>OR (perf9141MSP.member)</EndorsePolicy>
    <Message>OK</Message>
  </Result>
  <RequestId>7D27692E-C501-4B1D-878C-0B869DD3D9E6</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</InstallFabricChaincodeResponse>
```

JSON format


```
{
  "Result":{
    "install":false,
    "channelName":"mychannel",
    "ConsortiumId":"consortium-lianmenyumingyi-hc5d1bwlulg7",
    "Message":"OK",
    "state":"Running",
    "chaincodeId":"cc-198jejf8f8chi8",
    "type":1,
    "EndorsePolicy":"OR (perf9141MSP.member)",
    "Path":"github.com/hyperledger/fabric-samples/chaincode/sacc",
    "ChaincodeVersion":"0.1",
    "input":"args:&quot;john&quot; args:&quot;10&quot; ",
    "ChaincodeName":"mycc3",
    "CreateTime":"1533025590"
  },
  "RequestId":"7D27692E-C501-4B1D-878C-0B869DD3D9E6",
  "ErrorCode":200,
  "Success":true
}
```

Error codes

8.21. CheckFabricConsortiumDomain

You can call this operation to check whether the domain name of the consortium is available.

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	CheckFabricConsortiumDomain	The operation that you want to perform. Set the value to CheckFabricConsortiumDomain .
DomainCode	String	Yes	bank	The domain name of the consortium.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	8F80A214-89FC-4348-9B3F-15446B3DC1FA	The ID of the API request.

Parameter	Type	Example	Description
Result			The result.
Domain	String	bank	The domain name.
Prompt	String	OK	The prompt message.
Valid	Boolean	true	Indicates whether the domain name is valid. A value of true indicates that the domain name is valid. A value of false indicates that the domain name is invalid.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

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

Successful response examples

XML format

```
<CheckFabricConsortiumDomainResponse>
  </Result>
  <Prompt>OK</Prompt>
  <Domain>bank</Domain>
  <Valid>true</Valid>
</Result>
<RequestId>8F80A214-89FC-4348-9B3F-15446B3DC1FA</RequestId>
<Success>true</Success>
<ErrorCode>200</ErrorCode>
</CheckFabricConsortiumDomainResponse>
```

JSON format

```
{
  "Result": {
    "Prompt": "OK",
    "Domain": "bank",
    "Valid": true
  },
  "RequestId": "8F80A214-89FC-4348-9B3F-15446B3DC1FA",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.22. DescribeFabricOrganizationPeers

You can call this operation to query the peer node list of the organization.

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	DescribeFabricOrganizationPeers	The operation that you want to perform. Set the value to DescribeFabricOrganizationPeers .
OrganizationId	String	Yes	peers-aaaaaa2-1eqnj5o5w****	The ID of the organization.
Location	String	No	cn-hangzhou	The location.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The node list of an organization.
CreateTime	String	1533025590	The time when the organization was created.
Domain	String	domain	The domain name.
InstanceType	String	basic	The type of the instance.
InternetIp	String	10.0.0.2	The IP address of the public network.
IntranetIp	String	10.0.0.2	The IP address of the internal network.

Parameter	Type	Example	Description
IsAnchor	Boolean	false	Indicates whether the node is an anchor peer. A value of true indicates that the node is an anchor peer. A value of false indicates that the node is not an anchor peer.
OrganizationPeer Name	String	name	The name of the peer node in the organization.
Port	Integer	1234	The port of the node.
UpdateTime	String	1533025590	The time when the organization was last updated.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeFabricOrganizationPeers
&OrganizationId=peers-aaaaaa2-1eqnj5o5w****
&<Common request parameters>
```

Successful response examples

XML format

```
<DescribeFabricOrganizationPeersResponse>
  <Result>
    <Port>7050</Port>
    <Domain>peer1.taosafddasffsdfasaddsbao.aliyunbaas.top</Domain>
    <IsAnchor>true</IsAnchor>
    <CreateTime>2018-07-01 09:00:00</CreateTime>
    <UpdateTime>2018-07-02 09:00:00</UpdateTime>
    <InternetIp>8.8.8.1</InternetIp>
    <InstanceType>ecs.n1.small</InstanceType>
    <IntranetIp>8.8.8.1</IntranetIp>
    <OrganizationPeerName>name</OrganizationPeerName>
  </Result>
  <RequestId>C445762C-8909-4BD8-A2BD-BB45BF2441D8</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricOrganizationPeersResponse>
```

JSON format

```
{
  "Result": {
    "Port": 7050,
    "OrganizationPeerName": "name",
    "IsAnchor": true,
    "Domain": "peer1.taosafddasffsdfasaddsadbao.aliyunbaas.top",
    "IntranetIp": "8.8.8.1",
    "CreateTime": "2018-07-01 09:00:00",
    "InternetIp": "8.8.8.1",
    "UpdateTime": "2018-07-02 09:00:00",
    "InstanceType": "ecs.n1.small"
  },
  "RequestId": "C445762C-8909-4BD8-A2BD-BB45BF2441D8",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.23.

DescribeFabricConsortiumMemberApproval

You can call this operation to query the review approvals of the consortium members.

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	DescribeFabricConsortiumMemberApproval	The operation that you want to perform. Set the value to DescribeFabricConsortiumMemberApproval .
ConsortiumId	String	Yes	consortium-lianmenyuminyi-hc5d1bwlulg7	The ID of the consortium.
Location	String	No	cn-hangzhou	The location.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.

Parameter	Type	Example	Description
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The review approvals of consortium members.
ChannelCreatePolicy	String	Any	The policy that is used to create the channel.
ConfirmTime	String	1544411108000	The time when the approval was confirmed.
ConsortiumId	String	consortium-lianmenyumingyi-hc5d1bwlulg7	The ID of the consortium.
ConsortiumName	String	name	The name of the consortium.
DomainName	String	domain	The domain name.
OrganizationId	String	peers-aaaaaa2-1eqnj5o5w9dt3	The ID of the organization.
OrganizationName	String	orgname	The name of the organization.
State	String	Running	The status.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeFabricConsortiumMemberApproval
&ConsortiumId=consortium-lianmenyumingyi-hc5d1bwlulg7
&<Common request parameters>
```

Successful response examples

`XML` format

```

<DescribeFabricConsortiumMemberApprovalResponse>
  <Result>
    <ConfirmTime>1544411108000</ConfirmTime>
    <ConsortiumName> Alibaba </ConsortiumName>
    <State>Accepted</State>
    <ConsortiumId>10000</ConsortiumId>
    <DomainName>peer.apple.aliyunbaas.top</DomainName>
    <ChannelCreatePolicy>1000</ChannelCreatePolicy>
    <OrganizationId>1</OrganizationId>
    <OrganizationName> Apple </OrganizationName>
  </Result>
  <Result>
    <ConfirmTime>1544411108000</ConfirmTime>
    <ConsortiumName> Alibaba 2 </ConsortiumName>
    <State></State>
    <ConsortiumId>10100</ConsortiumId>
    <DomainName>peer.apple.aliyunbaas.top</DomainName>
    <ChannelCreatePolicy>1000</ChannelCreatePolicy>
    <OrganizationId>12</OrganizationId>
    <OrganizationName> Apple </OrganizationName>
  </Result>
  <RequestId>C445762C-8909-4BD8-A2BD-BB45BF2441D8</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricConsortiumMemberApprovalResponse>

```

JSON **format**

```

{
  "Result": [
    {
      "ConsortiumName": "Alibaba",
      "ConsortiumId": "10000",
      "State": "Accepted",
      "DomainName": "peer.apple.aliyunbaas.top",
      "ConfirmTime": "1544411108000",
      "ChannelCreatePolicy": "1000",
      "OrganizationId": "1",
      "OrganizationName": "Apple Inc."
    },
    {
      "ConsortiumName": "Alibaba 2",
      "ConsortiumId": "10100",
      "State": "",
      "DomainName": "peer.apple.aliyunbaas.top",
      "ConfirmTime": "1544411108000",
      "ChannelCreatePolicy": "1000",
      "OrganizationId": "12",
      "OrganizationName": "Apple Inc."
    }
  ],
  "RequestId": "C445762C-8909-4BD8-A2BD-BB45BF2441D8",
  "ErrorCode": 200,
  "Success": true
}

```

Error codes

8.24. SynchronizeFabricChaincode

You can call this operation to query the statuses of the chaincode, including the upgrade status and the instantiation status.

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	SynchronizeFabricChaincode	The operation that you want to perform. Set the value to SynchronizeFabricChaincode .
ChaincodeId	String	Yes	code-sacc-1pr09q7jm****	The ID of the chaincode.
OrganizationId	String	Yes	Peers-aaaaaa2-1eqnj5o5w ****	The ID of the organization.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The result of the operation.
ChaincodeId	String	code-sacc-1pr09q7jm****	The ID of the chaincode.
ChaincodeName	String	mychaincode	The name of the chaincode.
ChaincodeVersion	String	1.0	The version of the chaincode.
ChannelName	String	chan-channelx-1l1hmckuuisxo	The name of the channel.
ConsortiumId	String	consortium-lianmenyumingyi-hc5d1bw ****	The ID of the consortium.

Parameter	Type	Example	Description
CreateTime	String	1533025590	The time when the organization was created.
DeployTime	String	1533025590	The time when the chaincode was deployed.
EndorsePolicy	String	OR ('aaaaaa1MSP.peer')	The endorsement policy.
Input	String	input	The input property of the chaincode.
Install	Boolean	false	Indicates whether the chaincode is installed. A value of true indicates that the chaincode is installed. A value of false indicates that the chaincode is not installed.
Message	String	ok	The message.
Path	String	go-sdk-demo/chaincode/src	The path.
ProviderId	String	provider	The ID of the user who uploaded the chaincode.
ProviderName	String	name	The user who uploaded the chaincode.
State	String	Running	The status.
Type	Integer	1	The type of the chaincode.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=SynchronizeFabricChaincode
&ChaincodeId=code-sacc-1pr09q7jm****
&OrganizationId=peers-aaaaaa2-1eqnj5o5w****
&<Common request parameters>
```

Successful response examples

`XML` format

```
<SynchronizeFabricChaincodeResponse>
  <Result>
    <ProviderId>provider</ProviderId>
    <ProviderName>name</ProviderName>
    <ChaincodeName>mycc3</ChaincodeName>
    <Input>args:&quot;john&quot; args:&quot;l0&quot; </Input>
    <Install>>false</Install>
    <State>Running</State>
    <Type>1</Type>
    <ChannelName>mychannel</ChannelName>
    <ConsortiumId>consortium-lianmenyumingyi-hc5dlbw1****</ConsortiumId>
    <ChaincodeVersion>0.1</ChaincodeVersion>
    <ChaincodeId>cc-null-c856k9ilm****</ChaincodeId>
    <Path>github.com/hyperledger/fabric-samples/chaincode/sacc</Path>
  </Result>
  <RequestId>2A3ABD81-95F5-4931-ACB3-31BDAE561FC7</RequestId>
  <Success>>true</Success>
  <ErrorCode>200</ErrorCode>
</SynchronizeFabricChaincodeResponse>
```

JSON **format**

```
{
  "Result":{
    "ChaincodeVersion":"0.1",
    "Input":"args:&quot;john&quot; args:&quot;l0&quot; ",
    "ConsortiumId":"consortium-lianmenyumingyi-hc5dlbw1****",
    "State":"Running",
    "Install":false,
    "ChaincodeName":"mycc3",
    "Type":1,
    "ProviderName":"name",
    "ProviderId":"provider",
    "ChannelName":"mychannel",
    "Path":"github.com/hyperledger/fabric-samples/chaincode/sacc",
    "ChaincodeId":"cc-null-c856k9ilm****"
  },
  "RequestId":"2A3ABD81-95F5-4931-ACB3-31BDAE561FC7",
  "ErrorCode":200,
  "Success":true
}
```

Error codes

8.25. DescribeFabricOrganizationDeletable

You can call this operation to query whether an organization can be 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	DescribeFabricOrganizationDeletable	The operation that you want to perform. Set the value to DescribeFabricOrganizationDeletable .
OrganizationId	String	Yes	Peers-aaaaaa2-1eqnj5o5w ****	The ID of the organization.
Location	String	No	cn-hangzhou	The location information.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The result of the operation.
CodeName	String	name	The prefix of the domain name.
Deletable	Boolean	true	Indicates whether the organization can be deleted.
Domain	String	domain	The domain name.
OrganizationDescription	String	desc	The description of the organization.
OrganizationId	String	peers-aaaaaa2-1eqnj5o5w****	The ID of the organization.
OrganizationName	String	orgname	The name of the organization.
RegionId	String	cn-hangzhou	The ID of the region.
State	String	Running	The status.
ZoneId	String	zone	The available zone.

Parameter	Type	Example	Description
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeFabricOrganizationDeletable
&OrganizationId=peers-aaaaaa2-1eqnj5o5w****
&<Common request parameters>
```

Successful response examples

XML format

```
<DescribeFabricOrganizationDeletableResponse>
  <Result>
    <Deletable>true</Deletable>
    <OrganizationId>consortium-xxxxxx</OrganizationId>
    <CodeName>name</CodeName>
    <Domain>domain</Domain>
    <OrganizationDescription>desc</OrganizationDescription>
    <OrganizationName>orgname</OrganizationName>
    <RegionId>cn-hangzhou</RegionId>
    <State>Running</State>
    <ZoneId>zone</ZoneId>
  </Result>
  <RequestId>C445762C-8909-4BD8-A2BD-BB45BF2441D8</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricOrganizationDeletableResponse>
```

JSON format

```
{
  "Result":{
    "OrganizationDescription":"desc",
    "State":"Running",
    "Domain":"domain",
    "RegionId":"cn-hangzhou",
    "CodeName":"name",
    "ZoneId":"zone",
    "OrganizationId":"consortium-xxxxxx",
    "Deletable":true,
    "OrganizationName":"orgname"
  },
  "RequestId":"C445762C-8909-4BD8-A2BD-BB45BF2441D8",
  "ErrorCode":200,
  "Success":true
}
```

Error codes

8.26. DescribeFabricOrganizationChannels

You can call this operation to obtain the list of channels that the organization has joined.

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	DescribeFabricOrganizationChannels	The operation that you want to perform. Set the value to DescribeFabricOrganizationChannels .
OrganizationId	String	Yes	peers-aaaaaa2-1eqnj5o5****	The ID of the organization.
Location	String	No	cn-hangzhou	The location.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The list of channels that the organization has joined.
BatchTimeout	Integer	2	The amount of time to wait after the first transaction arrives for additional transactions before cutting a block.
BlockCount	Integer	3	The number of blocks.
ChaincodeCount	Integer	2	The number of chaincodes.
ChannelId	String	chan-channelx-1l1hmckkuisxo	The ID of the channel.
ChannelName	String	mychannel	The name of the channel.

Parameter	Type	Example	Description
ConsortiumId	String	consortium-lianmenyumingyi-hc5d1bwulug7	The ID of the consortium.
ConsortiumName	String	name	The name of the consortium.
CreateTime	String	1533025590	The time when the channel was created.
DeleteTime	String	1533025590	The time when the channel was deleted.
DeleteTime	String	1533025590	The time when the channel was deleted.
Deleted	Boolean	true	Indicates whether the object has been deleted.
Deleted	Boolean	true	Indicates whether the object has been deleted.
MaxMessageCount	Integer	12	The maximum number of transactions that are permitted in a block.
MemberCount	Integer	3	The number of members.
OwnerBid	String	253	The business ID of the creator.
OwnerName	String	uid-5324	The creator.
OwnerUid	Integer	5324	The user ID of the creator.
PreferredMaxBytes	Integer	24	The preferred maximum number of bytes allowed for.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
State	String	Running	The status.
SupportChannelConfig	Boolean	true	Indicates whether custom parameters are supported.
UpdateTime	String	1533025590	The time when the channel was last updated.

Parameter	Type	Example	Description
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeFabricOrganizationChannels
&OrganizationId=peers-aaaaaa2-1eqnj5o5****
&<Common request parameters>
```

Successful response examples

`XML` format

```

<DescribeFabricOrganizationChannelsResponse>
  <Result>
    <ConsortiumName>perf914</ConsortiumName>
    <Deleted>>false</Deleted>
    <ConsortiumId>consortium-perf914-37cfcff9pa2c7a</ConsortiumId>
    <UpdateTime>2018-08-07T11:00:25.000+0000</UpdateTime>
    <ChaincodeCount>18</ChaincodeCount>
    <OwnerBid>26842</OwnerBid>
    <ChannelId>chan-first-channel-31hlgpen5k5lig</ChannelId>
    <Name>first-asdadaaaa aaaaaaaaa dadscsdfasdasdafdscxzdwearq</Name>
    <BlockCount>0</BlockCount>
    <OwnerId>1167481570282431</OwnerId>
    <DeleteTime></DeleteTime>
    <State>Running</State>
    <RequestId>23732B15-5165-4C85-8FFA-964C5D187AC2</RequestId>
    <CreateTime>2018-08-07T11:00:25.000+0000</CreateTime>
    <MemberCount>3</MemberCount>
    <OwnerName>uid-1167481570282431</OwnerName>
  </Result>
  <Result>
    <ConsortiumName>perf914</ConsortiumName>
    <Deleted>>false</Deleted>
    <ConsortiumId>consortium-perf914-37cfcff9pa2c7a</ConsortiumId>
    <UpdateTime>2018-08-08T08:05:52.000+0000</UpdateTime>
    <ChaincodeCount>0</ChaincodeCount>
    <OwnerBid>26842</OwnerBid>
    <ChannelId>chan-yp-1jpolifn8g22k</ChannelId>
    <Name>yp</Name>
    <BlockCount>0</BlockCount>
    <OwnerId>1167481570282431</OwnerId>
    <DeleteTime></DeleteTime>
    <State>Running</State>
    <RequestId>A6A0364C-FE54-4387-B44F-86D9A9BF346D</RequestId>
    <CreateTime>2018-08-08T08:05:52.000+0000</CreateTime>
    <MemberCount>1</MemberCount>
    <OwnerName>uid-1167481570282431</OwnerName>
  </Result>
  </Result>
    <ConsortiumName>perf914</ConsortiumName>
    <Deleted>>false</Deleted>
    <ConsortiumId>consortium-perf914-37cfcff9pa2c7a</ConsortiumId>
    <UpdateTime>2018-08-09T06:33:53.000+0000</UpdateTime>
    <ChaincodeCount>7</ChaincodeCount>
    <OwnerBid>26842</OwnerBid>
    <ChannelId>chan-forthchannel-386gkfagakdgjl</ChannelId>
    <Name>forthchannel</Name>
    <BlockCount>0</BlockCount>
    <OwnerId>1167481570282431</OwnerId>
    <DeleteTime></DeleteTime>
    <State>Running</State>
    <RequestId>98BCF502-527C-4CDB-9C0A-BF2790295F27</RequestId>
    <CreateTime>2018-08-09T06:33:53.000+0000</CreateTime>
    <MemberCount>2</MemberCount>
    <OwnerName>uid-1167481570282431</OwnerName>
  </Result>
  <RequestId>CAA5D19F-FB7A-4F69-AF1E-1BA37E9547C5</RequestId>
  <Success>>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricOrganizationChannelsResponse>

```


JSON format

```
{
  "Result": [
    {
      "ConsortiumName": "perf914",
      "Deleted": false,
      "ConsortiumId": "consortium-perf914-37cfcff9pa2c7a",
      "UpdateTime": "2018-08-07T11:00:25.000+0000",
      "ChaincodeCount": 18,
      "OwnerBid": "26842",
      "ChannelId": "chan-first-channel-31hlgpen5k5lig",
      "Name": "first-asdadaaaa aaaaaaaaaa dadscsdfasdasdafdscxzdwearq",
      "BlockCount": 0,
      "OwnerUid": 1167481570282431,
      "DeleteTime": "",
      "State": "Running",
      "CreateTime": "2018-08-07T11:00:25.000+0000",
      "RequestId": "23732B15-5165-4C85-8FFA-964C5D187AC2",
      "MemberCount": 3,
      "OwnerName": "uid-1167481570282431"
    },
    {
      "ConsortiumName": "perf914",
      "Deleted": false,
      "ConsortiumId": "consortium-perf914-37cfcff9pa2c7a",
      "UpdateTime": "2018-08-08T08:05:52.000+0000",
      "ChaincodeCount": 0,
      "OwnerBid": "26842",
      "ChannelId": "chan-yyp-1jpjoliFn8g22k",
      "Name": "yyp",
      "BlockCount": 0,
      "OwnerUid": 1167481570282431,
      "DeleteTime": "",
      "State": "Running",
      "CreateTime": "2018-08-08T08:05:52.000+0000",
      "RequestId": "A6A0364C-FE54-4387-B44F-86D9A9BF346D",
      "MemberCount": 1,
      "OwnerName": "uid-1167481570282431"
    },
    {
      "ConsortiumName": "perf914",
      "Deleted": false,
      "ConsortiumId": "consortium-perf914-37cfcff9pa2c7a",
      "UpdateTime": "2018-08-09T06:33:53.000+0000",
      "ChaincodeCount": 7,
      "OwnerBid": "26842",
      "ChannelId": "chan-forthchannel-386gkfagakdgjl",
      "Name": "forthchannel",
      "BlockCount": 0,
      "OwnerUid": 1167481570282431,
      "DeleteTime": "",
      "State": "Running",
      "CreateTime": "2018-08-09T06:33:53.000+0000",
      "RequestId": "98BCF502-527C-4CDB-9C0A-BF2790295F27",
      "MemberCount": 2,
      "OwnerName": "uid-1167481570282431"
    }
  ],
  "RequestId": "CAA5D19F-FB7A-4F69-AF1E-1BA37E9547C5",
}
```

```
"ErrorCode":200,  
"Success":true  
}
```

Error codes

8.27. DescribeFabricConsortiums

You can call this operation to query the consortium 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	DescribeFabricConsortiums	The operation that you want to perform. Set the value to DescribeFabricConsortiums .
ConsortiumId	String	No	consortium-lianmenyumingyi-hc5d1bwl****	The ID of the consortium.
Location	String	No	cn-hangzhou	The location.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The list of consortia.
ChannelCount	Integer	2	The number of channels.
ChannelPolicy	String	Any	The policy that is used to create the channel.
CodeName	String	code	The prefix of the domain name.

Parameter	Type	Example	Description
ConsortiumId	String	consortium-lianmenyumingyi-hc5d1bwl****	The ID of the consortium.
ConsortiumName	String	name	The name of the consortium.
CreateTime	String	1544411108000	The time when the consortium was created.
Domain	String	domain	The domain name.
ExpiredTime	String	1544411108000	The expiration time of the payment.
OrganizationCount	Integer	2	The number of organizations.
OwnerBid	String	26842	The business ID of the creator.
OwnerName	String	Uid-125566	The creator.
OwnerUid	Integer	12042815	The user ID of the creator.
RegionId	String	cn-hangzhou	The ID of the region.
RequestId	String	3A929FAC-A82D-4EAB-A0FF-D867426D8B23	The ID of the API request.
SpecName	String	basic	The specification of the consortium node.
State	String	Pending	The status.
SupportChannelConfig	Boolean	true	Indicates whether custom parameters are supported.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

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

Successful response examples

XML format

```
<DescribeFabricConsortiumsResponse>
  <Result>
    <Domain>perf9141perf9141perf9141perf9141.asdadadewdasada.top</Domain>
    <ConsortiumId>10000</ConsortiumId>
    <OrganizationCount>2</OrganizationCount>
    <ChannelCount>0</ChannelCount>
    <ConsortiumName>quickstart</ConsortiumName>
    <DeleteTime></DeleteTime>
    <OwnerUid>1204281570282129</OwnerUid>
    <State>Created</State>
    <RegionId>cn-beijing</RegionId>
    <RequestId>3A929FAC-A82D-4EAB-A0FF-D867426D8B23</RequestId>
    <CreateTime>2018-07-16T05:31:32.000+0000</CreateTime>
    <CodeName>quickstart</CodeName>
    <OwnerName>uid-1204281570282129</OwnerName>
    <OwnerBid>26842</OwnerBid>
    <ChannelPolicy>Any</ChannelPolicy>
    <SpecName>basic</SpecName>
    <SupportChannelConfig>true</SupportChannelConfig>
  </Result>
  <RequestId>1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricConsortiumsResponse>
```

JSON format

```
{
  "Result": [
    {
      "ConsortiumName": "quickstart",
      "Domain": "perf9141perf9141perf9141perf9141.asdadadewdasada.top",
      "ConsortiumId": "10000",
      "OrganizationCount": 2,
      "OwnerBid": "26842",
      "ChannelCount": 0,
      "DeleteTime": "",
      "OwnerUid": "1204281570282129",
      "SpecName": "basic",
      "State": "Created",
      "SupportChannelConfig": true,
      "RegionId": "cn-beijing",
      "RequestId": "3A929FAC-A82D-4EAB-A0FF-D867426D8B23",
      "CreateTime": "2018-07-16T05:31:32.000+0000",
      "CodeName": "quickstart",
      "ChannelPolicy": "Any",
      "OwnerName": "uid-1204281570282129"
    }
  ],
  "RequestId": "1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.28. DescribeFabricConsortiumDeletable

You can call this operation to query whether a consortium can be 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	DescribeFabricConsortiumDeletable	The operation that you want to perform. Set the value to DescribeFabricConsortiumDeletable .
ConsortiumId	String	Yes	consortium-lianmenyumingyi-hc5d1bwl****	The ID of the consortium.
Location	String	No	cn-hangzhou	The location.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The result list of the operation.
CodeName	String	codename	The prefix of the domain name.
ConsortiumId	String	consortium-lianmenyumingyi-hc5d1bwlg7	The ID of the consortium.
ConsortiumName	String	myconsortium	The name of the consortium.
Deletable	Boolean	true	Indicates whether the consortium can be deleted.
Description	String	description	The description.

Parameter	Type	Example	Description
Domain	String	domain	The domain name.
RegionId	String	cn-hangzhou	The ID of the region.
State	String	Running	The status.
ZoneId	String	cn-hangzhou	The available zone.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeFabricConsortiumDeletable
&ConsortiumId=consortium-lianmenyumingyi-hc5dlbw1****
&<Common request parameters>
```

Successful response examples

XML format

```
<DescribeFabricConsortiumDeletableResponse>
  <Result>
    <ConsortiumId>consortium-xxxxxx</ConsortiumId>
    <Deletable>false</Deletable>
    <CodeName>name</CodeName>
    <Description>desc</Description>
    <Domain>domain</Domain>
    <Name>asset_mgmtv1.0.out</Name>
    <State>Checking</State>
    <RegionId>cn-hangzhou</RegionId>
    <ZoneId>cn-hangzhou</ZoneId>
  </Result>
  <RequestId>C445762C-8909-4BD8-A2BD-BB45BF2441D8</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricConsortiumDeletableResponse>
```

JSON format

```
{
  "Result": {
    "Name": "asset_mgmtv1.0.out",
    "Description": "desc",
    "State": "Checking",
    "Domain": "domain",
    "ConsortiumId": "consortium-xxxxxx",
    "RegionId": "cn-hangzhou",
    "CodeName": "name",
    "ZoneId": "cn-hangzhou",
    "Deletable": false
  },
  "RequestId": "C445762C-8909-4BD8-A2BD-BB45BF2441D8",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.29. CreateFabricChannelMember

You can call this operation to add other organizations to the channel.

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	CreateFabricChannelMember	The operation that you want to perform. Set the value to CreateFabricChannelMember .
ChannelId	String	Yes	chan-channelx-1l1hmckkuisxo	The ID of the channel.
Organization. N. OrganizationId	String	No	peers-aaaaaa1-1oxw31d046jtl	The ID of the organization.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.

Parameter	Type	Example	Description
Result	Boolean	true	The result of the operation.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=CreateFabricChannelMember
&ChannelId=chan-channelx-111hmckuuisxo
&<Common request parameters>
```

Successful response examples

XML format

```
<CreateFabricChannelMemberResponse>
  <Result>true</Result>
  <RequestId>1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</CreateFabricChannelMemberResponse>
```

JSON format

```
{
  "Result":true,
  "RequestId":"1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3",
  "ErrorCode":200,
  "Success":true
}
```

Error codes

8.30. CreateFabricConsortiumMember

You can call this operation to create a proposal for an organization to join the consortium.

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
-----------	------	----------	---------	-------------

Parameter	Type	Required	Example	Description
Action	String	Yes	CreateFabricConsortiumMember	The operation that you want to perform. Set the value to CreateFabricConsortiumMember .
ConsortiumId	String	Yes	consortium-aaaaaa-akpcsjjac2jd	The ID of the consortium.
Code	String	No	200	The invitation code.
Organization.N.OrganizationId	String	No	peers-aaaaaa1-1oxw31d046jtl	The ID of the organization.
RegionId	String	No	cn-hanghzou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result	Boolean	true	The result of the operation.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=CreateFabricConsortiumMember
&ConsortiumId=consortium-aaaaaa-akpcsjjac2jd
&<Common request parameters>
```

Successful response examples

XML format

```
<CreateFabricConsortiumMemberResponse>
  <Result>true</Result>
  <RequestId>1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</CreateFabricConsortiumMemberResponse>
```

JSON format

```
{
  "Result":true,
  "RequestId":"1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3",
  "ErrorCode":200,
  "Success":true
}
```

Error codes

8.31. DescribeFabricConsortiumChaincodes

You can call this operation to query the chaincodes of a consortium.

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	DescribeFabricConsortiumChaincodes	The operation that you want to perform. Set the value to DescribeFabricConsortiumChaincodes .
ConsortiumId	String	Yes	consortium-lianmenyumingyi-hc5d1bwlulg7	The ID of the consortium.
Location	String	No	cn-hangzhou	The location.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The chaincodes of the consortium.
ChaincodeId	String	code-sacc-1pr09q7jmo0np	The ID of the chaincode.
ChaincodeName	String	sacc	The name of the chaincode.

Parameter	Type	Example	Description
ChaincodeVersion	String	1.0	The version of the chaincode.
ChannelId	String	chan-channelx-1l1hmckuuisxo	The ID of the channel.
ChannelName	String	cname	The name of the channel.
ConsortiumId	String	consortium-lianmenyumingyi-hc5d1bwlulg7	The ID of the consortium.
CreateTime	String	1544411108000	The time when the chaincode was created.
DeployTime	String	1544411108000	The time when the chaincode was deployed.
EndorsePolicy	String	OR ('aaaaaa1MSP.peer')	The endorsement policy.
Input	String	input	The input property of the chaincode.
Install	Boolean	true	Indicates whether the chaincode is installed. A value of true indicates that the chaincode is installed. A value of false indicates that the chaincode has not been installed.
Message	String	ok	The message.
Path	String	go-sdk-demo/chaincode/src	The path of the chaincode.
ProviderId	String	peers-aaaaaa2-1eqnj5o5w9dt3	The ID of the user who uploaded the chaincode.
ProviderName	String	name	The name of the user who uploaded the chaincode.
State	String	Instantiatable	The status.
Type	Integer	1	The type of the chaincode.
DO NOT TRANSLATE	DO NOT TRANSLATE	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeFabricConsortiumChaincodes
&ConsortiumId=consortium-lianmenyumingyi-hc5d1bwlulg7
&<Common request parameters>
```

Successful response examples

XML format

```
<DescribeFabricConsortiumChaincodesResponse>
  <Result>
    <ChaincodeName>asset_mgmtv1.0.out</ChaincodeName>
    <ChannelId>chan-channel1-1180moa11f7g5a</ChannelId>
    <Install>false</Install>
    <State>Checking</State>
    <ConsortiumId>consortium-testthree-3i6j6d8ian5668</ConsortiumId>
    <Type>0</Type>
    <CreateTime>2018-07-31T08:13:27.000+0000</CreateTime>
    <ProviderId>peers-test3-25c96n9n6jh3dc</ProviderId>
    <ChannelName>channel1</ChannelName>
    <ChaincodeVersion>unknown</ChaincodeVersion>
    <EndorsePolicy>OR (&#amp;#test3MSP.member&#39;)</EndorsePolicy>
    <ChaincodeId>code-asset_mgmtv1.0.out-1gab808kn8bfgl</ChaincodeId>
  </Result>
  <RequestId>66495305-6EE5-4023-96F2-93B47B79E076</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricConsortiumChaincodesResponse>
```

JSON format

```
{
  "Result": [
    {
      "ChannelId": "chan-channel1-1180moa11f7g5a",
      "ChaincodeVersion": "unknown",
      "ConsortiumId": "consortium-testthree-3i6j6d8ian5668",
      "State": "Checking",
      "Install": false,
      "ChaincodeName": "asset_mgmtv1.0.out",
      "Type": 0,
      "ProviderId": "peers-test3-25c96n9n6jh3dc",
      "CreateTime": "2018-07-31T08:13:27.000+0000",
      "ChannelName": "channel1",
      "EndorsePolicy": "OR (&#test3MSP.member&#39;)",
      "ChaincodeId": "code-asset_mgmtv1.0.out-1gab808kn8bfgl"
    }
  ],
  "RequestId": "66495305-6EE5-4023-96F2-93B47B79E076",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.32. DeleteFabricChaincode

You can call this operation to delete the incorrect chaincode.

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	DeleteFabricChaincode	The operation that you want to perform. Set the value to DeleteFabricChaincode .
ChaincodeId	String	No	code-sacc-1pr09q7jm****	The ID of the chaincode.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

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

Successful response examples

XML format

```
<DeleteFabricChaincodeResponse>
  <RequestId>1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DeleteFabricChaincodeResponse>
```

JSON format

```
{
  "RequestId": "1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.33. DownloadFabricOrganizationSDK

You can call this operation to download the SDK.

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	DownloadFabricOrganizationSDK	The operation that you want to perform. Set the value to DownloadFabricOrganizationSDK .
OrganizationId	String	Yes	peers-aaaaaa2-1eqnj5o5w****	The ID of the organization.
Username	String	Yes	username	The name of the user.
Location	String	No	cn-hangzhou	The location.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The result list of the operation.
Content	String	base64string	Base64 encoded files can only be decoded with base64 algorithms.
Path	String	dir/file	The path of the decompressed file.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DownloadFabricOrganizationSDK
&OrganizationId=peers-aaaaaa2-1eqnj5o5w****
&Username=username
&<Common request parameters>
```

Successful response examples

XML format

```
<DownloadFabricOrganizationSDKResponse>
  <Result>
    <Content>base64string</Content>
    <Path>dir/file</Path>
  </Result>
  <RequestId>7D27692E-C501-4B1D-878C-0B869DD3D9E6</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DownloadFabricOrganizationSDKResponse>
```

JSON format

```
{
  "Result": {
    "Content": "base64string",
    "Path": "dir/file"
  },
  "RequestId": "7D27692E-C501-4B1D-878C-0B869DD3D9E6",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.34. ResetFabricOrganizationUserPassword

You can call this operation to reset the user password.

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	ResetFabricOrganizationUserPassword	The operation that you want to perform. Set the value to ResetFabricOrganizationUserPassword .
OrganizationId	String	Yes	peers-aaaaaa2-1eqnj5o5w****	The ID of the organization.

Parameter	Type	Required	Example	Description
Username	String	Yes	username	The name of the user.
Location	String	No	cn-hangzhou	The location.
Password	String	No	pwd	The user password.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The result list of the operation.
CreateTime	String	1533025590	The time when the user was created.
ExpireTime	String	1533025590	The time when the user expires.
FullName	String	username	The full name of the user.
OrganizationId	String	peers-aaaaaa2-1eqnj5o5w****	The ID of the organization.
Password	String	password	Specifies the password that is used.
Username	String	username	The name of the user.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=ResetFabricOrganizationUserPassword
&OrganizationId=peers-aaaaaa2-1eqnj5o5w****
&Username=username
&<Common request parameters>
```


Successful response examples

XML format

```
<ResetFabricOrganizationUserPasswordResponse>
  <Result>
    <Password>v32n9rzxqk7</Password>
    <CreateTime>1542086619000</CreateTime>
    <ExpireTime>1542086619000</ExpireTime>
    <Fullname>fullname</Fullname>
    <Username>asian01</Username>
    <OrganizationId>peers-asianbank-1c0w455jb****</OrganizationId>
  </Result>
  <RequestId>2A3ABD81-95F5-4931-ACB3-31BDAE561FC7</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</ResetFabricOrganizationUserPasswordResponse>
```

JSON format

```
{
  "Result": {
    "Fullname": "fullname",
    "ExpireTime": 1542086619000,
    "Username": "asian01",
    "CreateTime": 1542086619000,
    "Password": "v32n9rzxqk7",
    "OrganizationId": "peers-asianbank-1c0w455jb****"
  },
  "RequestId": "2A3ABD81-95F5-4931-ACB3-31BDAE561FC7",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.35. DescribeFabricOrganizationMembers

You can call this operation to obtain the consortium that the organization has joined and the consortium members.

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	DescribeFabricOrganizationMembers	The operation that you want to perform. Set the value to DescribeFabricOrganizationMembers .
OrganizationId	String	Yes	peers-aaaaaa2-1eqnj5o5w****	The ID of the organization.

Parameter	Type	Required	Example	Description
Location	String	No	cn-hangzhou	The location information.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The result list of the operation.
ConsortiumId	String	consortium-lianmenyumingyi-hc5d1bw****	The ID of the consortium.
ConsortiumName	String	name	The name of the consortium.
Description	String	desc	The description.
Domain	String	domain	The domain name.
JoinedTime	String	1533025590	The time when the organization joined the consortium.
OrganizationId	String	peers-aaaaaa2-1eqnj5o5w****	The ID of the organization.
OrganizationName	String	name	The name of the organization.
State	String	Running	The status.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeFabricOrganizationMembers
&OrganizationId=peers-aaaaaa2-1eqnj5o5w****
&<Common request parameters>
```

Successful response examples

XML format

```
<DescribeFabricOrganizationMembersResponse>
  <Result>
    <OrganizationId>peers-xxxxxx</OrganizationId>
    <OrganizationName>orgname</OrganizationName>
    <JoinedTime>1533025590</JoinedTime>
    <ConsortiumName>Consortium</ConsortiumName>
    <Description></Description>
    <Domain>zhuangbsdadadadasdASdaefility.abasssample.cc</Domain>
    <State>Approved</State>
    <ConsortiumId>consortium-avengers-jkdhdif89****</ConsortiumId>
  </Result>
  <RequestId>C445762C-8909-4BD8-A2BD-BB45BF2441D8</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricOrganizationMembersResponse>
```

JSON format

```
{
  "Result": {
    "ConsortiumName": "Consortium",
    "Description": "",
    "ConsortiumId": "consortium-avengers-jkdhdif89****",
    "State": "Approved",
    "Domain": "zhuangbsdadadadasdASdaefility.abasssample.cc",
    "JoinedTime": "1533025590",
    "OrganizationId": "peers-xxxxxx",
    "OrganizationName": "orgname"
  },
  "RequestId": "C445762C-8909-4BD8-A2BD-BB45BF2441D8",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.36. CheckFabricOrganizationDomain

You can call this operation to check whether the domain name is valid.

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	CheckFabricOrganizationDomain	The operation that you want to perform. Set the value to CheckFabricOrganizationDomain .

Parameter	Type	Required	Example	Description
Domain	String	No	bank	The prefix of the domain name. No need to include the root domain name obtained by the <code>DescribeRootDomain</code> operation.
DomainCode	String	No	bank	The domain name.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	C30A14C7-800E-468B-9EB2-C704DA49295E	The ID of the API request.
Result			The result of the check.
Domain	String	bank	Returns the domain name entered by the user.
Prompt	String	OK	The prompt message.
Valid	Boolean	true	Indicated whether the domain name is valid.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

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

Successful response examples

`XML` format

```
<CheckFabricOrganizationDomainResponse>
  <Result>
    <Prompt>OK</Prompt>
    <Domain>canyouguessme</Domain>
    <Valid>true</Valid>
  </Result>
  <RequestId>C30A14C7-800E-468B-9EB2-C704DA49295E</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</CheckFabricOrganizationDomainResponse>
```

JSON **format**

```
{
  "Result": {
    "Prompt": "OK",
    "Domain": "canyouguessme",
    "Valid": true
  },
  "RequestId": "C30A14C7-800E-468B-9EB2-C704DA49295E",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.37. CreateFabricChannel

You can call this operation to create a channel.

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	CreateFabricChannel	The operation that you want to perform. Set the value to CreateFabricChannel .
ChannelName	String	Yes	channelx	The name of the channel. It must be 1 to 50 characters in length and can contain letters, digits, underscores (_), hyphens (-), and periods (.).
ConsortiumId	String	Yes	consortium-aaaaaa-akpcsjjac2jd	The ID of the consortium.
BatchTimeout	Integer	No	2	The amount of time to wait after the first transaction arrives for additional transactions before cutting a block.

Parameter	Type	Required	Example	Description
MaxMessageCount	Integer	No	50	The maximum number of transactions that are permitted in a block.
Organization.N.Id	String	No	peers-aaaaaa1-1oxw31d046jtl	The ID list of organizations that have joined the channel. Enter: <code>Organization.1.Id=org1&Organization.2.Id=org2</code> .
PreferredMaxBytes	Integer	No	12	The preferred maximum number of bytes allowed for.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The result.
BatchTimeout	Integer	2	The amount of time to wait after the first transaction arrives for additional transactions before cutting a block.
BlockCount	Integer	2	The number of blocks.
ChaincodeCount	Integer	2	The number of chaincodes.
ChannelId	String	chan-channelx-1l1hmckuuisxo	The ID of the channel.
ChannelName	String	channelx	The name of the channel.
ConsortiumId	String	consortium-aaaaaa-akpcsjjac2jd	The ID of the consortium.
ConsortiumName	String	aaaaaa	The name of the consortium.
CreateTime	String	1544768139624	The time when the channel was created.

Parameter	Type	Example	Description
MaxMessageCount	Integer	50	The maximum number of transactions that are permitted in a block.
MemberCount	Integer	1	The number of members.
OwnerBid	String	26842	The business ID of the creator.
OwnerName	String	uid-	The user who created the organization.
OwnerUid	Integer	1234	The user ID of the creator.
PreferredMaxBytes	Integer	12	The preferred maximum number of bytes allowed for.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
State	String	Running	The status.
SupportConfig	Boolean	true	Indicates whether custom parameters are supported.
UpdateTime	String	1544768139624	The time when the channel was last updated.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=CreateFabricChannel
&ChannelName=channelx
&ConsortiumId=consortium-aaaaaa-akpcsjjac2jd
&<Common request parameters>
```

Successful response examples

`XML` `format`

```
<CreateFabricChannelResponse>
  </Result>
    <ChannelId>chan-channelx-111hmckuuisxo</ChannelId>
    <ConsortiumName>aaaaa</ConsortiumName>
    <ChannelName>channelx</ChannelName>
    <ConsortiumId>consortium-aaaaaa-akpcsjjac2jd</ConsortiumId>
    <CreateTime>1544768139624</CreateTime>
    <MaxMessageCount>50</MaxMessageCount>
    <MemberCount>2</MemberCount>
    <OwnerBid>26842</OwnerBid>
    <OwnerUid></OwnerUid>
    <OwnerName>name</OwnerName>
    <PreferredMaxBytes>12</PreferredMaxBytes>
    <State>Pending</State>
    <SupportConfig>true</SupportConfig>
    <UpdateTime>1544768139624</UpdateTime>
  </Result>
  <RequestId></RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</CreateFabricChannelResponse>
```

JSON **format**

```
{
  "Result": [
    {
      "ConsortiumName": "aaaaa",
      "ConsortiumId": "consortium-aaaaaa-akpcsjjac2jd",
      "UpdateTime": "1544768139624",
      "ChannelName": "channelx",
      "MaxMessageCount": 50,
      "SupportConfig": "true",
      "OwnerBid": "26842",
      "ChannelId": "chan-channelx-111hmckuuisxo",
      "OwnerUid": "",
      "State": "Pending",
      "CreateTime": "1544768139624",
      "PreferredMaxBytes": 12,
      "MemberCount": 2,
      "OwnerName": "name"
    }
  ],
  "RequestId": "",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.38. CreateFabricConsortium

You can call this operation to create a consortium.

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	CreateFabricConsortium	The operation that you want to perform. Set the value to CreateFabricConsortium.
ChannelPolicy	String	Yes	Any	The policy that is used to create the channel.
ConsortiumName	String	Yes	aaaaa	The name of the consortium.
Domain	String	Yes	helloworld	The domain name.
Location	String	Yes	cn-hangzhou	The location information.
OrdererType	String	Yes	Kafka	The type of the orderer.
SpecName	String	Yes	basic	The specification.
ConsortiumDescription	String	No	some	The description of the consortium.
OrderersCount	Integer	No	2	The number of orderers.
Organization.N.OrganizationId	String	No	peers-yidio-1tuigx42b1goc	The ID of the organization.
PaymentDuration	Integer	No	2	The payment duration.
PaymentDurationUnit	String	No	Month	The unit of the payment duration.
PeersCount	Integer	No	2	The number of peer nodes.
RegionId	String	No	cn-hangzhou	The ID of the region.
ZoneId	String	No	random	The available zone.

Response parameters

Parameter	Type	Example	Description
-----------	------	---------	-------------

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The result list of the operation.
ChannelCount	Integer	0	The number of channels.
ChannelPolicy	String	Any	The policy that is used to create a channel.
ClusterState	String	Pending	The status of the cluster.
CodeName	String	lianmenyumingyi	The prefix of the domain name.
ConsortiumId	String	consortium-lianmenyumingyi-hc5d1bwlulg7	The ID of the consortium.
ConsortiumName	String	myconsortium	The name of the consortium.
CreateTime	String	1544086901984	The creation time.
Description	String	String	The description.
Domain	String	hello	The domain name.
MemberCount	Integer	2	The number of members.
OrdererCount	Integer	1	The number of orderers.
OrdererType	String	Kafka	The type of the orderer.
OwnerBid	String	26842	The business ID of the creator.
OwnerUid	Long	1019556	The user ID of the creator.
RegionId	String	cn-hangzhou	The ID of the region.
ServiceState	String	Pending	The status of the service.

Parameter	Type	Example	Description
SpecName	String	basic	The specification.
Zoneld	String	cn-hangzhou	The available zone.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=CreateFabricConsortium
&ChannelPolicy=Any
&ConsortiumName=aaaaa
&Domain=helloworld
&Location=cn-hangzhou
&OrdererType=Kafka
&SpecName=basic
&<Common request parameters>
```

Successful response examples

XML **format**

```
<CreateFabricConsortiumResponse>
  <p data-tag="result">
    <CodeName>Alibaba Group Blockchain Consortium</CodeName>
    <ClusterState>Pending</ClusterState>
    <ConsortiumId>c-93k8d34jy79y79</ConsortiumId>
    <CreateTime>1999-05-10 09:00:00</CreateTime>
    <OwnerBid>12312</OwnerBid>
    <OrdererCount>1</OrdererCount>
    <OrdererType>kafka</OrdererType>
    <ConsortiumName>Alibaba Group </ConsortiumName>
    <OrganizationCount>3</OrganizationCount>
    <ChannelCount>0</ChannelCount>
    <ChannelPolicy>ANY</ChannelPolicy>
    <Description>string</Description>
    <Domain>domain</Domain>
    <MemberCount>2</MemberCount>
    <ServiceState>Pending</ServiceState>
  </p>
  <RequestId>2537DB1B-F478-431E-A847-5DDAAE2BD251</RequestId>
  <ErrorCode>200</ErrorCode>
  <Success>true</Success>
</CreateFabricConsortiumResponse>
```

JSON **format**

```
{
  "result": {
    "ConsortiumName": "Alibaba Group",
    "Description": "string",
    "ConsortiumId": "c-93k8d34jy79y79",
    "Domain": "domain",
    "OrganizationCount": 3,
    "OwnerBid": 12312,
    "ChannelCount": 0,
    "ClusterState": "Pending",
    "CreateTime": "1999-05-10 09:00:00",
    "CodeName": "Alibaba Group Blockchain Consortium",
    "OrdererType": "kafka",
    "ServiceState": "Pending",
    "MemberCount": 2,
    "OrdererCount": 1,
    "ChannelPolicy": "ANY"
  },
  "RequestId": "2537DB1B-F478-431E-A847-5DDAAE2BD251",
  "Success": true,
  "ErrorCode": 200
}
```

Error codes

8.39. DescribeFabricOrganization

You can call this operation to query the details of an organization.

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	DescribeFabricOrganization	The operation that you want to perform. Set the value to DescribeFabricOrganization .
OrganizationId	String	Yes	peers-aaaaaa2-1eqnj5o5w****	The ID of the organization.
Location	String	No	cn-hangzhou	The location.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
-----------	------	---------	-------------

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The details of the organization.
CANAME	String	client	The name of the CA node in the organization.
CAUrl	String	https://ca1.org1.alibabacloudbaas.com:31154	The address of the CA node in the organization.
CodeName	String	org1	The prefix of the domain name.
ConsortiumCount	Integer	2	The number of consortia.
CreateTime	String	1533025590	The creation time.
Domain	String	org1.alibabacloudbaas.com	The domain name.
MSP	String	org1MSP	The provider of the member service.
OrganizationDescription	String	This is org1	The description of the organization.
OrganizationId	String	peers-aaaaaa2-1eqnj5o5w9dt3	The ID of the organization.
OrganizationName	String	org1	The name of the organization.
OwnerBid	String	2544	The business ID of the creator.
OwnerName	String	uid-23434	The creator.
OwnerUid	Long	23434	The user ID of the creator.
PeerCount	Integer	2	The number of peer nodes.
RegionId	String	cn-hangzhou	The ID of the region.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.

Parameter	Type	Example	Description
SpecName	String	basic	The name of the specification.
State	String	Running	The status.
UserCount	Integer	2	The number of users.
Zoneld	String	cn-hangzhou-1a	The available zone.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeFabricOrganization
&OrganizationId=peers-aaaaaa2-1eqnj5o5w****
&<Common request parameters>
```

Successful response examples

XML format

```
<DescribeFabricOrganizationResponse>
  </Result>
    <OrganizationDescription>organization created by ruiqi.zss</OrganizationDescription>
    <Domain>peer.aliyun.abasssample.cc</Domain>
    <ZoneId>cn-shanghai-a</ZoneId>
    <OrganizationId>org-ip92i26m792c9</OrganizationId>
    <OrganizationName>Alibaba Cloud</OrganizationName>
    <ConsortiumCount>1</ConsortiumCount>
    <UserCount>0</UserCount>
    <State>Created</State>
    <SpecName>ecs.n1.medium</SpecName>
    <OwnerId>1204281570282129</OwnerId>
    <CAUrl>https://ca1.org1.alibabacloudbaas.com:31154</CAUrl>
    <CreateTime>2018-06-22T06:14:21.000+0000</CreateTime>
    <CANAME>caname</CANAME>
    <CodeName>aliyun</CodeName>
    <OwnerName>blockchain_baas_test</OwnerName>
    <PeerCount>2</PeerCount>
    <OwnerId>26842</OwnerId>
  </Result>
  <RequestId>C445762C-8909-4BD8-A2BD-BB45BF2441D8</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricOrganizationResponse>
```

JSON format

```
{
  "Result": {
    "Domain": "peer.aliyun.abasssample.cc",
    "CANAME": "caname",
    "ZoneId": "cn-shanghai-a",
    "CAUrl": "https://ca1.org1.alibabacloudbaas.com:31154",
    "OrganizationId": "org-ip92i26m792c9",
    "OwnerBid": "26842",
    "OrganizationName": "Alibaba Cloud",
    "OrganizationDescription": "organization created by ruiqi.zss",
    "ConsortiumCount": 1,
    "UserCount": 0,
    "OwnerUid": 1204281570282129,
    "State": "Created",
    "SpecName": "ecs.nl.medium",
    "CreateTime": "2018-06-22T06:14:21.000+0000",
    "CodeName": "aliyun",
    "PeerCount": 2,
    "OwnerName": "blockchain_baas_test"
  },
  "RequestId": "C445762C-8909-4BD8-A2BD-BB45BF2441D8",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.40. UpgradeFabricChaincode

You can call this operation to upgrade the chaincode.

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	UpgradeFabricChaincode	The operation that you want to perform. Set the value to UpgradeFabricChaincode .
ChaincodeId	String	Yes	code-sacc-fk9z4r97****	The ID of the chaincode.
OrganizationId	DO NOT TRANSLATE	Yes	Peers-wholesaler-15ix77tof ****	The ID of the organization.
CollectionConfig	String	No	[{"requiredPeerCount": 0, "name": "collectionName", "maxPeerCount": 3, "blockToLive": 0, "policy": "OR('Org1MSP.peer')"}]	The configurations of the private dataset.

Parameter	Type	Required	Example	Description
EndorsePolicy	String	No	OR ("wholesalerMSP.peer")	The endorsement policy.
Location	String	No	cn-hangzhou	The location.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	A6CC6C63-2D71-4D0C-AEBE-E95F0127C514	The ID of the API request.
Result			The result list of the operation.
ChaincodeId	String	code-sacc-fk9z4r97****	The ID of the chaincode.
ChaincodeName	String	mychaincode	The name of the chaincode.
ChaincodeVersion	String	1.0	The version of the chaincode.
ChannelName	String	cc	The name of the channel.
ConsortiumId	String	consortium-supplychain-1pxzsp5tb****	The ID of the consortium.
CreateTime	String	1545215617000	The creation time.
DeployTime	String	1545215617000	The time when the chaincode was deployed.
EndorsePolicy	String	OR ("wholesalerMSP.peer")	The endorsement policy.
Input	String	input	The input property of the chaincode.

Parameter	Type	Example	Description
Install	Boolean	false	Indicates whether the chaincode is installed. A value of true indicates that the chaincode is installed. A value of false indicates that the chaincode is not installed.
Message	String	OK	The message.
Path	String	github.com/sacc	The path.
ProviderId	String	1928592	The ID of the user who uploaded the chaincode.
ProviderName	String	uid-1928592	The user who uploaded the chaincode.
State	String	Running	The status.
Type	Integer	1	The type of the chaincode.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=UpgradeFabricChaincode
&ChaincodeId=code-sacc-fk9z4r97****
&OrganizationId=peers-wholesaler-15ix77tof****
&<Common request parameters>
```

Successful response examples

`XML` format

```
<UpgradeFabricChaincodeResponse>
  <Result>
    <ProviderId>provider</ProviderId>
    <ProviderName>name</ProviderName>
    <ChaincodeName>mycc3</ChaincodeName>
    <Input>args:&quot;john&quot; args:&quot;l0&quot; </Input>
    <Install>false</Install>
    <State>Running</State>
    <Type>1</Type>
    <ChannelName>mychannel</ChannelName>
    <ConsortiumId>consortium-lianmenyumingyi-hc5dlbw1****</ConsortiumId>
    <ChaincodeVersion>0.1</ChaincodeVersion>
    <ChaincodeId>cc-null-c856k9ilm****</ChaincodeId>
    <Path>github.com/hyperledger/fabric-samples/chaincode/sacc</Path>
  </Result>
  <RequestId>2A3ABD81-95F5-4931-ACB3-31BDAE561FC7</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</UpgradeFabricChaincodeResponse>
```

JSON **format**

```
{
  "Result": {
    "ChaincodeVersion": "0.1",
    "Input": "args:&quot;john&quot; args:&quot;l0&quot; ",
    "ConsortiumId": "consortium-lianmenyumingyi-hc5dlbw1****",
    "State": "Running",
    "Install": false,
    "ChaincodeName": "mycc3",
    "Type": 1,
    "ProviderName": "name",
    "ProviderId": "provider",
    "ChannelName": "mychannel",
    "Path": "github.com/hyperledger/fabric-samples/chaincode/sacc",
    "ChaincodeId": "cc-null-c856k9ilm****"
  },
  "RequestId": "2A3ABD81-95F5-4931-ACB3-31BDAE561FC7",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.41. InstantiateFabricChaincode

You can call this operation to instantiate the chaincode.

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	InstantiateFabricChaincode	The operation that you want to perform. Set the value to InstantiateFabricChaincode .
ChaincodeId	String	Yes	cc-198jejf8f8****	The ID of the chaincode.
OrganizationId	String	Yes	peers-aaaaaa2-1eqnj5o5w****	The ID of the organization.
CollectionConfig	String	No	{["requiredPeerCount":0,"name":"collectionName","maxPeerCount":3,"blockToLive":0,"policy":"OR('Org1MSP.peer')"]}	The configurations of the private dataset.
EndorsePolicy	String	No	OR ('perf9141MSP.member')	The endorsement policy.
Location	String	No	cn-hangzhou	The location.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The result list of the operation.
ChaincodeId	String	cc-198jejf8f8chi8	The ID of the chaincode.
ChaincodeName	String	channelname	The name of the chaincode.
ChaincodeVersion	String	1.0	The version of the chaincode.
ChannelName	String	channelname	The name of the channel.
ConsortiumId	String	consortium-lianmenyumingyi-hc5d1bwlulg7	The ID of the consortium.

Parameter	Type	Example	Description
CreateTime	String	1533025590	The creation time.
DeployTime	DO NOT TRANSLATE	1533025590	The time when the chaincode was deployed.
EndorsePolicy	String	OR ('aaaaaa1MSP.peer')	The endorsement policy.
Input	String	input	The input property of the chaincode.
Install	Boolean	false	Indicates whether the chaincode is installed. A value of true indicates that the chaincode is installed. A value of false indicates that the chaincode is not installed.
Message	String	ok	The message.
Path	String	go-sdk-demo/chaincode/src	The path.
ProviderId	String	id	The ID of the user who uploaded the chaincode.
ProviderName	String	name	The user who uploaded the chaincode.
State	String	Running	The status.
Type	Integer	1	The type of the chaincode.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=InstantiateFabricChaincode
&ChaincodeId=cc-198jejf8f8****
&OrganizationId=peers-aaaaaa2-1eqnj5o5w****
&<Common request parameters>
```

Successful response examples

XML format

```
<InstantiateFabricChaincodeResponse>
  <Result>
    <install>false</install>
    <channelName>mychannel</channelName>
    <input>args:&quot;john&quot;; args:&quot;10&quot;; </input>
    <ChaincodeName>mycc3</ChaincodeName>
    <Path>github.com/hyperledger/fabric-samples/chaincode/sacc</Path>
    <state>Running</state>
    <chaincodeId>cc-198jejf8f8chi8</chaincodeId>
    <type>1</type>
    <ChaincodeVersion>0.1</ChaincodeVersion>
    <ConsortiumId>consortium-lianmenyumingyi-hc5dlbwlulg7</ConsortiumId>
    <CreateTime>1533025590</CreateTime>
    <EndorsePolicy>OR (perf9141MSP.member)</EndorsePolicy>
    <Message>OK</Message>
  </Result>
  <RequestId>7D27692E-C501-4B1D-878C-0B869DD3D9E6</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</InstantiateFabricChaincodeResponse>
```

JSON **format**

```
{
  "Result": {
    "install": false,
    "channelName": "mychannel",
    "ConsortiumId": "consortium-lianmenyumingyi-hc5dlbwlulg7",
    "Message": "OK",
    "state": "Running",
    "chaincodeId": "cc-198jejf8f8chi8",
    "type": 1,
    "EndorsePolicy": "OR (perf9141MSP.member)",
    "Path": "github.com/hyperledger/fabric-samples/chaincode/sacc",
    "ChaincodeVersion": "0.1",
    "input": "args:&quot;john&quot;; args:&quot;10&quot;; ",
    "ChaincodeName": "mycc3",
    "CreateTime": "1533025590"
  },
  "RequestId": "7D27692E-C501-4B1D-878C-0B869DD3D9E6",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.42. DescribeFabricConsortiumChannels

You can call this operation to query the channels of a consortium.

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	DescribeFabricConsortiumChannels	The operation that you want to perform. Set the value to DescribeFabricConsortiumChannels .
ConsortiumId	String	Yes	consortium-lianmenyumingyi-hc5d1bwlulg7	The ID of the consortium.
Location	String	No	cn-hangzhou	The location.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The channels of the consortium.
BatchTimeout	Integer	2	The amount of time to wait after the first transaction arrives for additional transactions before cutting a block.
BlockCount	Integer	2	The number of blocks.
ChaincodeCount	Integer	2	The number of chaincodes.
ChannelId	String	chan-channelx-1l1hmckuuisxo	The ID of the channel.
ChannelName	String	mychammel	The name of the channel.
ConsortiumChannelId	Integer	1	The sequence of the channel in the consortium.
ConsortiumId	String	consortium-lianmenyumingyi-hc5d1bwlulg7	The ID of the consortium.
ConsortiumName	String	name	The name of the consortium.
CreateTime	String	1544411108000	The creation time.

Parameter	Type	Example	Description
DeleteTime	String	1544411108000	The time when the channel was deleted.
Deleted	Boolean	true	Indicates whether the channel is deleted.
MaxMessageCount	Integer	200	The maximum number of transactions that are permitted in a block.
MemberCount	Integer	3	The number of channel members.
MemberJoinedCount	String	3	The number of members who have joined the consortium.
NeedJoined	Boolean	true	Indicates whether to join the channel.
OwnerBid	String	26842	The business ID of the creator.
OwnerName	String	uid-*	The creator.
OwnerUid	Integer	212	The user ID of the creator.
PreferredMaxBytes	Integer	102410241	The preferred maximum number of bytes allowed for.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
State	String	Running	The status.
SupportChannelConfig	Boolean	true	Indicates whether custom parameters are supported.
UpdateTime	String	1544411108000	The time when the channel was last updated.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeFabricConsortiumChannels
&ConsortiumId=consortium-lianmenyumingyi-hc5dlbwlulg7
&<Common request parameters>
```

Successful response examples

XML format

```
<DescribeFabricConsortiumChannelsResponse>
  <p data-tag="result">
    <BatchTimeout>2</BatchTimeout>
    <BlockCount>2</BlockCount>
    <ChaincodeCount>2</ChaincodeCount>
    <ChannelId>chan-channelx-111hmckuuisxo</ChannelId>
    <ChannelName>mychannel</ChannelName>
    <ConsortiumId>consortium-lianmenyumingyi-hc5dlbw1ulg7</ConsortiumId>
    <ConsortiumName>name</ConsortiumName>
    <CreateTime>1544411108000</CreateTime>
    <DeleteTime>1544411108000</DeleteTime>
    <Deleted>true</Deleted>
    <OwnerBid>26842</OwnerBid>
    <OwnerUid>212</OwnerUid>
    <PreferredMaxBytes>12356</PreferredMaxBytes>
    <State>Running</State>
    <SupportChannelConfig>true</SupportChannelConfig>
    <UpdateTime>1544411108000</UpdateTime>
  </p>
  <RequestId>2537DB1B-F478-431E-A847-5DDAAE2BD251</RequestId>
  <ErrorCode>200</ErrorCode>
  <Success>true</Success>
</DescribeFabricConsortiumChannelsResponse>
```

JSON format

```
{
  "result": {
    "ConsortiumName": "name",
    "Deleted": "true",
    "ConsortiumId": "consortium-lianmenyumingyi-hc5dlbw1ulg7",
    "UpdateTime": "1544411108000",
    "ChannelName": "mychannel",
    "ChaincodeCount": 2,
    "OwnerBid": "26842",
    "ChannelId": "chan-channelx-111hmckuuisxo",
    "BlockCount": 2,
    "DeleteTime": "1544411108000",
    "OwnerUid": 212,
    "State": "Running",
    "BatchTimeout": 2,
    "SupportChannelConfig": "true",
    "CreateTime": "1544411108000",
    "PreferredMaxBytes": 12356
  },
  "RequestId": "2537DB1B-F478-431E-A847-5DDAAE2BD251",
  "Success": true,
  "ErrorCode": 200
}
```

Error codes

8.43. DescribeFabricOrganizationUsers

You can call this operation to query the user list of the organization.

Debugging

You can call this operation in OpenAPI Explorer without the need to manually calculate the signature. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeFabricOrganizationUsers	The operation that you want to perform. Set the value to DescribeFabricOrganizationUsers .
OrganizationId	String	Yes	peers-aaaaaa2-1eqnj5o5w****	The ID of the organization.
Location	String	No	cn-hangzhou	The location.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The users of an organization.
Attrs	String	foo=foo1,bar=bar1	The ABAC properties.
CallerBid	String	26842	The business ID of the caller.
CallerUid	Long	111111111111	The user ID of the caller.
CreateTime	String	1533025590	The creation time.
ExpireTime	String	1533025590	The time when the user expires.
FullName	String	name	The full name of the user.
OrganizationId	String	peers-aaaaaa2-1eqnj5o5w9dt3	The ID of the organization.

Parameter	Type	Example	Description
RegionId	String	cn-hangzhou	The ID of the region.
Username	String	username	The name of the user.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeFabricOrganizationUsers
&OrganizationId=peers-aaaaaa2-1eqnj5o5w****
&<Common request parameters>
```

Successful response examples

XML format

```
<DescribeFabricOrganizationUsersResponse>
  <p data-tag="result">
    <Attrs>foo=fool,bar=bar1</Attrs>
    <Username>username</Username>
    <OrganizationId>peers-aaaaaa2-1eqnj5o5w9dt3</OrganizationId>
    <ChannelName>mychannel</ChannelName>
    <CreateTime>1544411108000</CreateTime>
    <ExpireTime>1544411108000</ExpireTime>
    <CallerBid>26842</CallerBid>
    <CallerUid>212</CallerUid>
  </p>
  <RequestId>2537DB1B-F478-431E-A847-5DDAAE2BD251</RequestId>
  <ErrorCode>200</ErrorCode>
  <Success>true</Success>
</DescribeFabricOrganizationUsersResponse>
```

JSON format

```
{
  "result": {
    "CallerUid": 212,
    "ExpireTime": "1544411108000",
    "CreateTime": "1544411108000",
    "Username": "username",
    "Attrs": "foo=fool,bar=bar1",
    "CallerBid": "26842",
    "ChannelName": "mychannel",
    "OrganizationId": "peers-aaaaaa2-1eqnj5o5w9dt3"
  },
  "RequestId": "2537DB1B-F478-431E-A847-5DDAAE2BD251",
  "Success": true,
  "ErrorCode": 200
}
```

Error codes

8.44. CreateFabricOrganization

You can call this operation to create an organization.

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	CreateFabricOrganization	The operation that you want to perform. Set the value to CreateFabricOrganization .
Domain	String	Yes	domain	The domain name.
Location	String	Yes	cn-hangzhou	The available zone.
OrganizationName	String	Yes	name	The name of the organization.
SpecName	String	Yes	basic	The name of the specification.
Description	String	No	description	The description.
PaymentDuration	Integer	No	12	The payment duration.
PaymentDurationUnit	String	No	2	The unit of the payment duration.
PeersCount	Integer	No	2	The number of nodes.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.

Parameter	Type	Example	Description
Result			The result list of the operation.
ClusterState	String	Pending	The status of the cluster.
CodeName	String	name	The prefix of the domain name.
ConsortiumCount	Integer	2	The number of consortia.
CreateTime	String	1544086901984	The creation time.
Domain	String	domain	The domain name.
OrganizationDescription	String	desc	The description of the organization.
OrganizationId	String	zuzhiyumingyi-hc5d1bwlulg7	The ID of the organization.
OrganizationName	String	zuzhiyumingyi	The name of the organization.
OwnerBid	String	26842	The business ID of the creator.
OwnerName	String	name	The name of the user who created the organization.
OwnerId	Integer	1019556	The user ID of the creator.
PeerCount	Integer	3	The number of organization nodes.
RegionId	String	cn-hangzhou	The region of the organization.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
ServiceState	String	Pending	The status of the service.
SpecName	String	baisc	The specification of the node.
UserCount	Integer	2	The number of organization users.
ZoneId	String	zone	The available zone of the organization node.

Parameter	Type	Example	Description
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=CreateFabricOrganization
&Domain=domain
&Location=cn-hangzhou
&OrganizationName=name
&SpecName=basic
&<Common request parameters>
```

Successful response examples

XML format

```
<CreateFabricOrganizationResponse>
  <p data-tag="result">
    <CodeName>Alibaba Group Blockchain Consortium</CodeName>
    <ClusterState>Pending</ClusterState>
    <OrganizationId>c-93k8d34jy79y79</OrganizationId>
    <CreateTime>1999-05-10 09:00:00</CreateTime>
    <OwnerBid>12312</OwnerBid>
    <OrganizationName>Alibaba Group </OrganizationName>
    <SpecName>basic</SpecName>
    <ConsortiumCount>0</ConsortiumCount>
    <PeerCount>3</PeerCount>
    <Description>string</Description>
    <Domain>domain</Domain>
    <UserCount>2</UserCount>
    <ServiceState>Pending</ServiceState>
  </p>
  <RequestId>2537DB1B-F478-431E-A847-5DDAAE2BD251</RequestId>
  <ErrorCode>200</ErrorCode>
  <Success>true</Success>
</CreateFabricOrganizationResponse>
```

JSON format

```
{
  "result": {
    "Description": "string",
    "Domain": "domain",
    "OrganizationId": "c-93k8d34jy79y79",
    "OwnerBid": 12312,
    "OrganizationName": "Alibaba Group",
    "ClusterState": "Pending",
    "ConsortiumCount": 0,
    "UserCount": 2,
    "SpecName": "basic",
    "CreateTime": "1999-05-10 09:00:00",
    "Name": "Alibaba Group Blockchain Consortium",
    "PeerCount": 3,
    "ServiceState": "Pending"
  },
  "RequestId": "2537DB1B-F478-431E-A847-5DDAAE2BD251",
  "Success": true,
  "ErrorCode": 200
}
```

Error codes

8.45. CreateFabricOrganizationUser

You can call this operation to create an organization user.

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	CreateFabricOrganizationUser	The operation that you want to perform. Set the value to CreateFabricOrganizationUser .
OrganizationId	String	Yes	peers-yidio-1tuigx42b****	The ID of the organization.
Username	String	Yes	username	The name of the user.
Attrs	String	No	foo=foo1,bar=bar1	The ABAC properties.
Password	String	No	password	Specifies the password that is used.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The result list of the operation.
CreateTime	String	1544086901984	The creation time.
ExpireTime	String	1544411108000	The time when the user expires.
Fullname	String	fullname	The full name of the user.
OrganizationId	String	peers-yidio-1tuigx42b****	The ID of the organization.
Password	String	password	Specifies the password that is used.
Username	String	username	The name of the user.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=CreateFabricOrganizationUser
&OrganizationId=peers-yidio-1tuigx42b****
&Username=username
&<Common request parameters>
```

Successful response examples

XML **format**

```
<CreateFabricOrganizationUserResponse>
  <p data-tag="result">
    <OrganizationId>peers-yidio-1tuigx42b****</OrganizationId>
    <CreateTime>1999-05-10 09:00:00</CreateTime>
    <ExpireTime>2000-05-10 09:00:00</ExpireTime>
    <Fullname>Alibaba Group</Fullname>
    <Username>username</Username>
    <Password>pwd</Password>
  </p>
  <RequestId>2537DB1B-F478-431E-A847-5DDAAE2BD251</RequestId>
  <ErrorCode>200</ErrorCode>
  <Success>true</Success>
</CreateFabricOrganizationUserResponse>
```

JSON format

```
{
  "result": {
    "Fullname": "Alibaba Group",
    "ExpireTime": "2000-05-10 09:00:00",
    "Password": "pwd",
    "Username": "username",
    "CreateTime": "1999-05-10 09:00:00",
    "OrganizationId": "peers-yidio-1tuigx42b****"
  },
  "RequestId": "2537DB1B-F478-431E-A847-5DDAAE2BD251",
  "Success": true,
  "ErrorCode": 200
}
```

Error codes

8.46. DescribeFabricInvitationCode

You can call this operation to obtain the invitation link.

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	DescribeFabricInvitationCode	The operation that you want to perform. Set the value to DescribeFabricInvitationCode .
ConsortiumId	String	Yes	consortium-lianmenyumingyi-hc5d1bwl****	The ID of the consortium.
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
DynamicCode	String	InvitationCodeNotFound	The error identifier.
DynamicMessage	String	The invitation code could not found.	The error message.
ErrorCode	Integer	200	The error code.

Parameter	Type	Example	Description
RequestId	String	77E25463-56CB-4F1C-8EB6-8ADDFE39EF0F	The ID of the API request.
Result			The list of the invitation links.
Accepted	Boolean	true	Indicates whether the invitation is accepted. A value of true indicates that the invitation is accepted. A value of false indicates that the invitation is not accepted.
Code	String	code	The invitation code.
ConsortiumId	String	consortium-lianmenyumingyi-hc5d1bwlulg7	The ID of the consortium.
Email	String	abc@126.com	The Email address.
ExpireTime	String	1544411108000	The expiration time..
InvitationId	Integer	2	The invitation ID.
SendTime	String	1544411108000	The time when the invitation was sent.
SenderBid	String	27534	The business ID of the user who sent the invitation.
SenderId	Long	26345345	The ID of the user who sent the invitation.
SenderName	String	uid-35324	The user who sent the invitation.
Url	String	http://baas.console.aliyun.test/invite?code=92e7ef1934892	The invitation link.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

```
http(s)://[Endpoint]? Action=DescribeFabricInvitationCode
&ConsortiumId=consortium-lianmenyumingyi-hc5d1bwl****
&<Common request parameters>
```

Successful response examples

XML format

```
<DescribeFabricInvitationCodeResponse>
  <Result>
    <Url>http://baas.console.aliyun.test/invite?code=92e7ef1934892f272537d750c743a3d1be773038c97a8414065d63551a742b81</Url>
    <ExpireTime>2018-06-14T15:10:11.000+0000</ExpireTime>
    <Accepted>true</Accepted>
    <Code>code</Code>
    <ConsortiumId>consortium-lianmenyumingyi-hc5dlbwlulg7</ConsortiumId>
    <Email>abc@126.com</Email>
    <InvitationId>2</InvitationId>
    <SendTime>2018-06-14T15:10:11.000+0000</SendTime>
    <SenderId>126467457</SenderId>
    <SenderBid>3563</SenderBid>
    <SenderName>name</SenderName>
  </Result>
  <RequestId>9CFDE6E9-3835-4C2E-BECD-7CF20F5B5DD7</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricInvitationCodeResponse>
```

JSON format

```
{
  "Result": {
    "SenderBid": "3563",
    "Email": "abc@126.com",
    "ConsortiumId": "consortium-lianmenyumingyi-hc5dlbwlulg7",
    "Url": "http://baas.console.aliyun.test/invite?code=92e7ef1934892f272537d750c743a3d1be773038c97a8414065d63551a742b81",
    "InvitationId": 2,
    "Accepted": "true",
    "ExpireTime": "2018-06-14T15:10:11.000+0000",
    "SendTime": "2018-06-14T15:10:11.000+0000",
    "SenderId": 126467457,
    "SenderName": "name",
    "Code": "code"
  },
  "RequestId": "9CFDE6E9-3835-4C2E-BECD-7CF20F5B5DD7",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes

8.47. DescribeFabricOrganizationSpecs

You can call this operation to query the organization specifications.

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	DescribeFabricOrganizationSpecs	The operation that you want to perform. Set the value to DescribeFabricOrganizationSpecs .
RegionId	String	No	cn-hangzhou	The ID of the region.

Response parameters

Parameter	Type	Example	Description
ErrorCode	Integer	200	The error code.
RequestId	String	1890FA4F-067A-4CE9-AC9B-2BD2E58FB5D3	The ID of the API request.
Result			The specifications of an organization.
Enable	Boolean	true	Indicates whether the specification is enabled. A value of true indicates that the specification is enabled. A value of false indicates that the specification is not enabled.
OrganizationSpecsName	String	basic	The name of the specification.
Title	String	Basic Edition	The title.
Success	Boolean	true	Indicates whether the call is successful. A value of true indicates that the call is successful. A value of false indicates that the call has failed.

Examples

Sample requests

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

Successful response examples

`XML` format

```
<DescribeFabricOrganizationSpecsResponse>
  <Result>
    <OrganizationSpecsName>basic</OrganizationSpecsName>
    <Enable>true</Enable>
    <Title>Basic Edition</Title>
  </Result>
  <Result>
    <OrganizationSpecsName>enterprise</OrganizationSpecsName>
    <Enable>false</Enable>
    <Title>Enterprise Edition</Title>
  </Result>
  <RequestId>D44A00CF-95E0-48D9-A831-716E791D423E</RequestId>
  <Success>true</Success>
  <ErrorCode>200</ErrorCode>
</DescribeFabricOrganizationSpecsResponse>
```

JSON **format**

```
{
  "Result": [
    {
      "OrganizationSpecsName": "basic",
      "Enable": true,
      "Title": "Basic Edition"
    },
    {
      "OrganizationSpecsName": "enterprise",
      "Enable": false,
      "Title": "Enterprise Edition"
    }
  ],
  "RequestId": "D44A00CF-95E0-48D9-A831-716E791D423E",
  "ErrorCode": 200,
  "Success": true
}
```

Error codes