ApsaraVideo Live

API Reference

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API Reference

API overview

ApsaraVideo Live offers a web-based management console, APIs, and software development kits that help to use and manage live video services and integrate them with your own apps and services.

All ApsaraVideo Live services are billed by usage, and service capacity is scalable. Moreover, features such as simple architecture designs, better programming development and low maintenance costs help you to focus on building your business logic and enhance user experience.Download PDF

Live screenshot

API	Description
AddLiveAppSnapshotConfig	Add screenshot configuration.
DeleteLiveAppSnapshotConfig	Delete screenshot configuration.
DescribeLiveSnapshotConfig	Query screenshot configuration of the domain name.
DescribeLiveStreamSnapshotInfo	Query the screenshot information.
UpdateLiveAppSnapshotConfig	Update screenshot configuration.

Pull-stream

API	Description
DeleteLivePullStreamInfoConfig	Delete pull-stream information.
AddLivePullStreamInfoConfig	Add pull-stream information.
DescribeLivePullStreamConfig	Describe pull-stream configuration under the domain name.

Live detection

API	Description

AddLiveSnapshotDetectPornConfig	Configurate live stream detection based on the domain name and App level.
AddLiveDetectNotifyConfig	Add notification URL.
DescribeLiveSnapshotDetectPornConfig	Query detection configuration.
DescribeLiveDetectNotifyConfig	Query notification URL.
UpdateLiveSnapshotDetectPornConfig	Update detection configuration interface.
UpdateLiveDetectNotifyConfig	Update notification URL.
DeleteLiveSnapshotDetectPornConfig	Delete the detection configuration interface.
DeleteLiveDetectNotifyConfig	Delete notification URL.

Notify

API	Description
SetLiveStreamsNotifyUrlConfig	Set the URL which the live stream information is pushed to.
DescribeLiveStreamsNotifyUrlConfig	Query the configuration of streaming callback.
DeleteLiveStreamNotifyUrlConfig	Delete configuration of streaming callback.

Live recording

API	Description
AddLiveAppRecordConfig	Configure APP recording, the output content is stored in OSS.
DeleteLiveAppRecordConfig	Delete the recording configuration.
DescribeLiveRecordConfig	Query the recording configuration of all the apps under the domain name.
DescribeLiveStreamRecordContent	Query the recording content.
CreateLiveStreamRecordIndexFiles	Create a record index file.
DescribeLiveStreamRecordIndexFile	Query an individual recording index file.
DescribeLiveStreamRecordIndexFiles	Query the record index file.
AddLiveRecordNotifyConfig	Add a domain name-level record callback config.
DeleteLiveRecordNotifyConfig	Delete a domain name-level record callback config.
DescribeLiveRecordNotifyConfig	Describe domain name-level record callback config.

UpdateLiveRecordNotifyConfig	Update domain name-level record callback config.

Live streams management

API	Description
ForbidLiveStream	Forbid publishing a stream. You can set a time to resume streaming.
DescribeLiveStreamsBlockList	Get the live stream playing blacklist under the domain name.
DescribeLiveStreamsControlHistory	Get the operation history on a live stream under a domain name or app.
DescribeLiveStreamsOnlineList	View the information of all the streams being pushed under a specific domain name (or an app under a specified domain name).
DescribeLiveStreamsPublishList	View the streaming history of a domain name (or an app under the domain name) within a period of time.
ResumeLiveStream	Resume the publishing of a stream.
DescribeLiveStreamsFrameRateAndBitRateData	Real-time query of frame rate and bit rate.
DescribeLiveStreamBitRateData	Get the frame rate and bit rate in a set time range of a rtmp-based live stream. Applicable for getting history data.

Live transcoding

API	Description
AddLiveStreamTranscode	Add transcoding configuration information.
DeleteLiveStreamTranscode	Delete transcoding configuration.
DescribeLiveStreamTranscodeInfo	Query transcoding configuration information.
AddCustomLiveStreamTranscode	Add custom transcode configuration information.
AddTrancodeSEI	Add transcode SEI information.

Resource monitoring

API	Description
DescribeLiveStreamHistoryUserNum	Query history user number of live streams.

DescribeLiveStreamOnlineUserNum	Get the number of real-time online users of the live stream.
DescribeLiveDomainBpsData	Query the network bandwidth data of a live domain name.
DescribeLiveDomainTrafficData	Query the network traffic data of a live domain name.
DescribeLiveDomainTranscodeData	Query the duration of transcoding data of a live domain name.
DescribeLiveDomainRecordData	Query the data of live domain name recording duration.
DescribeLiveDomainSnapshotData	Query the number of screenshot data of a live domain name.

RAM resource authorization

Introduction

Use RAM to give a subaccount access to its primary account’ s live video resources.

> You can activate the Live service through an Alibaba Cloud account and create a CDN domain name, then all the live functions and CDN domain names are held as resources of this account. By default, accounts have full operation permissions on their resources.
>
> If you want to use Alibaba Cloud Resource Access Management (RAM) service, you can grant RAM sub-users the permission to access and manage the resources under your Alibaba Cloud account.
>
> Read Set subaccounts to log on to the ApsaraVideo Live console by using RAM set carefully before learning how to use RAM to grant authorization and access to live service.
>
> If you do not need to use RAM, skip this section.

Authentication rules

When a subaccount uses live service APIs to access live resources of primary account, the live service background performs RAM access examination to make sure the resource owner grants the caller the

relavant access to relevant resources.

Each differrent liver service API determines the permissions of which resources are to be examined according to the involved resources and the meaning of API. The authentication rules of each API are listed as follows.

Action-name	Resource
DescribeLiveStreamsPublishList	acs:cdn:*:$accountid:domain/$domainName
DescribeLiveStreamsOnlineList	acs:cdn:*:$accountid:domain/$domainName
DescribeLiveStreamsBlockList	acs:cdn:*:$accountid:domain/$domainName
DescribeLiveStreamsControlHistory	acs:cdn:*:$accountid:domain/$domainName
DescribeLiveStreamOnlineUserNum	acs:cdn:*:$accountid:domain/$domainName
ForbidLiveStream	acs:cdn:*:$accountid:domain/$domainName
ResumeLiveStream	acs:cdn:*:$accountid:domain/$domainName
SetLiveStreamsNotifyUrlConfig	acs:cdn:*:$accountid:domain/$domainName
AddLiveAppRecordConfig	acs:cdn:*:$accountid:domain/$domainName
CreateLiveStreamRecordIndexFiles	acs:cdn:*:$accountid:domain/$domainName
DeleteLiveAppRecordConfig	acs:cdn:*:$accountid:domain/$domainName
DescribeLiveRecordConfig	acs:cdn:*:$accountid:domain/$domainName
DescribeLiveStreamRecordContent	acs:cdn:*:$accountid:domain/$domainName
DescribeLiveStreamRecordIndexFile	acs:cdn:*:$accountid:domain/$domainName
DescribeLiveStreamRecordIndexFiles	acs:cdn:*:$accountid:domain/$domainName
AddLiveStreamTranscode	acs:cdn:*:$accountid:domain/$domainName
DeleteLiveStreamTranscode	acs:cdn:*:$accountid:domain/$domainName
DescribeLiveStreamTranscodeInfo	acs:cdn:*:$accountid:domain/$domainName
AddLiveAppSnapshotConfig	acs:cdn:*:$accountid:domain/$domainName
DeleteLiveAppSnapshotConfig	acs:cdn:*:$accountid:domain/$domainName
UpdateLiveAppSnapshotConfig	acs:cdn:*:$accountid:domain/$domainName
DescribeLiveSnapshotConfig	acs:cdn:*:$accountid:domain/$domainName
DescribeLiveStreamSnapshotInfo	acs:cdn:*:$accountid:domain/$domainName
AddLiveSnapshotDetectPornConfig	acs:cdn:*:$accountid:domain/$domainName
AddLiveDetectNotifyConfig	acs:cdn:*:$accountid:domain/$domainName
DescribeLiveSnapshotDetectPornConfig	acs:cdn:*:$accountid:domain/$domainName
DescribeLiveDetectNotifyConfig.md	acs:cdn:*:$accountid:domain/$domainName
UpdateLiveSnapshotDetectPornConfig	acs:cdn:*:$accountid:domain/$domainName

UpdateLiveDetectNotifyConfig	acs:cdn:*:$accountid:domain/$domainName
DeleteLiveSnapshotDetectPornConfig	acs:cdn:*:$accountid:domain/$domainName
DeleteLiveDetectNotifyConfig	acs:cdn:*:$accountid:domain/$domainName
DescribeLiveStreamsFrameRateAndBitRateData	acs:cdn:*:$accountid:domain/$domainName

APIs invoke

Invoke

You can call an ApsaraVideo Live API by sending an HTTP GET request to the ApsaraVideo Live API server and adding relevant request parameters to the request according to the interface instructions. The system returns the result based on the processing of the request.

The instructions for the four aspects are as follows:

Request structure

Public parameter

Returned result

Signature mechanism

Request structure

Service address

The API service access address is as follows:

Region	Service address

China East 2	live.aliyuncs.com
China North 2	
Singapore	

Communication protocol

We recommend that you send requests using the HTTPS channel for enhanced security.

Character encoding

Both requests and returned results are encoded using the UTF-8 character set.

Public parameters

Public parameters refers to the parameters that every interface call uses, including public request parameters and public return parameters.

Public request parameters

Public request parameters refer to the request parameters that every interface uses.

Name	Type	Required or not	Description
Version	String	Yes	API version number. - The format is YYYY-MM-DD. - The current version number is 2016-11-01.
AccessKeyId	String	Yes	AccessKey ID used to access services, issued to a user by Alibaba Cloud.
Signature	String	Yes	The signature result string. See Signature

			Mechanism for the signature calculation method.
SignatureMethod	String	Yes	The signature method, HMAC-SHA1 currently supported.
Timestamp	String	Yes	The request timestamp. - The date format follows the ISO8601 standard and uses UTC time. - Format: YYYY-MM-DDThh:mm:ssZ. - Example: 2014-11-11T12:00:00Z (equivalent to 20:00:00 on November 11, 2014, Beijing time).
SignatureVersion	String	Yes	Signature algorithm version. The current version is 1.0.
SignatureNonce	String	Yes	A unique random number, used to prevent network replay attacks. You must use different random numbers for different requests.
ResourceOwnerAccount	String	No	The resource owner account for this API

			request, that is the login user name. For more information about using this parameter, see RAM resource authorization.(You can only use this parameter in the Action of the RAM in which the live resources can be authorized, or the request is rejected.)
Format	String	No	Type of value returned, JSON and XML supported. Default value: XML.

Example

```
https://live.aliyuncs.com/
?Format=xml
&Version=2016-11-01
&Signature=Pc5WB8gokVn0xfeu%2FZV%2BiNM1dgI%3D
&SignatureMethod=HMAC-SHA1
&SignatureNonce=15215528852396
&SignatureVersion=1.0
&AccessKeyId=key-test
&Timestamp=2012-06-01T12:00:00Z
...
```

Public return parameters

The system returns a unique identification code (RequestId) each time you send a request to call an interface, whether the call succeeds or not.

Example

XMLexample

```
<?xml version="1.0" encoding="UTF-8"?>
<!--Result Root Node-->
<Interface Name+Response>
<!--Return Request Tag-->
```

```
<RequestId>4C467B38-3910-447D-87BC-AC049166F216</RequestId>
<!--Return Result Data-->
</Interface Name+Response>
```

JSONexample

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

Return result

The data returned after the API service call adopts a uniform format:

If the returned HTTP status code is 2xx, it indicates the call is a success.

If the returned HTTP status code is 4xx or 5xx, then it is a failed call.

The two primary formats for the data returned after a successful call are XML and JSON. The external system can customize the returned data format by passing in a parameter in the request, and XML is adopted by default.

Note: In the returned examples in this document, we adjusted the format of returned result to make it easier for you to view the content. The actual returned result does not go through the line breaks, indentation, or other layouts.

Successful results

JSONexample

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Error results

When an error occurs in an interface call, no result data is returned. You can see the error code corresponding to each interface and the **Error Code Table** as follows to locate the cause of the error.

When an error occurs in a call, an HTTP status code of 4xx or 5xx is returned for the HTTP request. The returned message body contains the specific error code and error message. The message body also contains a globally unique RequestId and the requested HostId. If you fail to locate the cause of the error, contact our customer service and provide the HostId and RequestId for us to solve the problem as quickly as possible.

JSONexample

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Public error code table

See: API error center.

Signature mechanism

Alibaba Cloud performs identity authentication for every access request. Therefore, you must contain the signature information in the request no matter whether you submit a request through the HTTP or HTTPS protocol. The requester identity is verified using symmetric encryption of theAccess Key IDandAccess Key Secret. TheAccess Key ID and Access Key Secretare officially issued to visitors by Alibaba Cloud (you can apply for and manage them on the Alibaba Cloud official website). In specific,

TheAccess Key IDindicates the identity of the visitor.

TheAccess Key Secretis the secret key used to encrypt the signature string and to verify the signature string on the server. It must be kept strictly confidential and only be known to Alibaba Cloud and the user.

Note: Alibaba Cloud offers SDKs and third-party SDKs in different languages, which free you of the trouble of coding the signature algorithm. For more information about Alibaba SDK, see Alibaba Cloud SDK.

Signature operation

When you visit a server, the following method is used to sign the request:

The Canonicalized Query String is constructed using the request parameters.

Sort parameters.

All the request parameters (including thepublic request parametersand user-defined parameters with given request interfaces, but excluding the Signature parameter mentioned in thepublic request parameters) are sorted alphabetically by the parameter name.

Note: When a request is submitted using the GET method, these parameters are the parameter section of the request URI (that is, the section in the URI following ? and connected by &).

Encode parameters.

The name and value of each request parameter are encoded. The names and values must adoptUTF-8 charactersfor URL encoding. The URL encoding rules are as follows:

The characters A-Z, a-z, 0-9, and -, _, ., ~ are not encoded.

Other characters are encoded into the%XYformat, with XY representing the characters' ASCII code in hexadecimal notation. For example, the English double quotation marks ('') are encoded as %22.

Extended UTF-8 characters are encoded into the%XY%ZA...format.

The English space ( ) is encoded as %20, rather than the plus sign (+).

This encoding method and the commonly-used application/x-www-form-urlencoded MIME type (such as java.net.URLEncoder in Java library) are similar, but have differences. If this encoding method is used,

use the method of standard library to encode, and then replace the plus signs (+) in the encoded strings with %20, the asterisks (*) with %2A, and change %7E back to the tilde (~) to get the encoded string described in the previous rules. This algorithm can be achieved bu using the following method:

```
private static final String ENCODING = "UTF-8";

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

Connect the encoded parameter names and values with the English equals sign (=).

Then, sort the parameter name and value pairs connected by equal signs in alphabetical order and connect them with the&symbol to produce the Canonicalized Query String.

Construct the string for signature calculation using the canonicalized query string in the previous step according to the following rules.

```
StringToSign=
HTTPMethod + “&” +
percentEncode( “/” ) + ” &” +
percentEncode(CanonicalizedQueryString)
```

HTTPMethod is the HTTP method used for request submission, for example, GET.

percentEncode ("/") is the encoded value (%2F) of the character/, which is obtained according to the URL encoding rules described in **1.ii.**

percentEncode (CanonicalizedQueryString) is the Canonicalized Query String (constructed in **Step 1**) that is encoded according to the URL encoding rules described in **1.ii**.

Use the previous signature string to calculate the signature’ s HMAC value based on RFC2104 definitions.

Note: The key used for signature calculation is theAccess Key Secretheld by the user plus the&character (ASCII:38), and the SHA1 hashing algorithm is used.

Encode the previous HMAC value into a string based on Base64 encoding rules to obtain the signature value (Signature).

Add the obtained signature value to the request parameters as the Signature parameter to sign the request.

Note: URL encoding is required to be performed for the obtained signature value based on the RFC3986 rule, like in the case of other parameters, before the signature value is submitted to the live server as the final request parameter value.

Example

Take DescribeLiveService as an example, the request URL before signing is as follows:

```
http://live.aliyuncs.com/?SignatureVersion=1.0&Format=JSON&Timestamp=2015-08-06T02:19:46Z&AccessKeyId=testid&SignatureMethod=HMAC-SHA1&Version=2014-11-11&Action=DescribeLiveService&SignatureNonce=9b7a44b0-3be1-11e5-8c73-08002700c460
```

The StringToSign is:

```
GET&%2F&AccessKeyId%3Dtestid&Action%3DDescribeLiveService&Format%3DJSON&SignatureMethod%3DHMAC-SHA1&SignatureNonce%3D9b7a44b0-3be1-11e5-8c73-08002700c460&SignatureVersion%3D1.0&Timestamp%3D2015-08-06T02%253A19%253A46Z&Version%3D2014-11-11
```

Assume theAccess Key IDistestid, theAccess Key Secretistestsecret, and the Key used for HMAC calculation istestsecret&, the calculated signature value is:

```
L5m9NrptrrFq7weQ/YUHZinh8b8=
```

The signed request URL is (note the added Signature parameter):

```
http://live.aliyuncs.com/?SignatureVersion=1.0&Format=JSON&Timestamp=2015-08-06T02%3A19%3A46Z&AccessKeyId=testid&SignatureMethod=HMAC-SHA1&Version=2014-11-11&Signature=L5m9NrptrrFq7weQ%2FYUHZinh8b8%3D&Action=DescribeLiveService&SignatureNonce=9b7a44b0-3be1-11e5-8c73-08002700c460
```

Pull-stream

AddLivePullStreamInfoConfig

Description

Add pull-stream information, only pull the live stream.
Support rtmp, http, and flv formats.

Request parameters

Parameters	Type	Required or not	Example value	Description
Action	String	Yes	AddLivePullStreamInfoConfig	The name of this interface. Value: AddLivePullStreamInfoConfig
AppName	String	Yes	testApp	Name of the app, which the live stream belongs to.
DomainName	String	Yes	live.yourdomain.com	Your pull-stream domain name is the playback domain name.
EndTime	String	Yes	2017-12-22T08:00:00Z	Pull-stream end time. - UTC Format. - The time interval between StartTime

				and EndTime is within 7 days, and the EndTime exceeds the current time.
SourceUrl	String	Yes	live.yourdomain.com	The source site, which user's live stream belongs to. If more than one source site exists, URL is entered and seperated by semicolon.
StartTime	String	Yes	2017-12-21T08:00:00Z	Pull-stream start time. - UTC Format. - The time interval between StartTime and EndTime is within 7 days.
StreamName	String	Yes	testStream	Live stream

				name.

Return parameter

Parameters	Type	Example values	Description
RequestId	String	40A4F36D-A7CC-473A-88E7-154F92242566	The ID of the job request

Example

Request example

```
https://live.aliyuncs.com/?Action=AddLivePullStreamInfoConfig&DomainName=live.aliyunlive.com&AppName=xxx
&StreamName=xxx&SourceUrl=xxxx&StartTime=2017-08-28T07:30:30Z&EndTime=2017-08-
30T07:45:00Z&<Public Request Parameter>
```

For more information, see Public Request Parameter。

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CF8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

DeleteLivePullStreamInfoConfig

Description

Delete pull-stream information.

Request parameter

Parameters	Type	Required or not	Example values	Description
Action	String	Yes	DeleteLivePullStreamInfoConfig	The name of this interface. Value: DeleteLivePullStreamInfoConfig
AppName	String	Yes	testApp	Name of the app, which the live stream belongs to.
DomainName	String	Yes	www.yourdomain.com	Your pull-stream domain name.
StreamName	String	Yes	testStream	Live stream name.

Return parameter

Parameters	Type	Example values	Description
RequestId	String	40A4F36D-A7CC-473A-88E7-154F92242566	The ID of the job request

Example

Request example

```
https://live.aliyuncs.com?Action=DeleteLivePullStreamInfo&DomainName=test101.pulllive.com&AppName=xxx&StreamName=xxx&SourceUrl=xxxx&Always=yes&<Public Request Parameter>
```

For more information, see Public Request Parameter。

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

DescribeLivePullStreamConfig

Description

Describe pull-streams configuration under the domain name.

Request parameter

Parameters	Type	Required or not	Example values	Description
Action	String	Yes	DescribeLivePullStreamConfig	The name of this interface. Value: DescribeLivePullStreamConfig
DomainName	String	Yes	play.yourdomain.com	Your pull-stream domain name.

Return parameters

Parameters	Type	Example values	Description
LiveAppRecordList			Pull-streams configuration.
└DomainName	String	play.yourdomain.com	Pull-stream domain name, which the live stream belongs to.
└AppName	String	AppName	Name of the app, which the live stream belongs to.
└StreamName	String	StreamName	Live stream name.
└SourceUrl	String	play.yourdomain.com	Pull-stream source site.
└StartTime	String	2016-05-15T01:30:00Z	StartTime.
└EndTime	String	2016-05-20T01:33:00Z	EndTime.
RequestId	String	40A4F36D-A7CC-473A-88E7-154F92242566	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=DescribeLivePullStreamConfig&DomainName=test101.aliyunlive.com&<Public Request Parameter>
```

For more information, see Public Request Parameter 。

Normal return example

JSON format

```
{
"LiveAppRecordList":{
"LiveAppRecord":[{
"AppName":"xxxx",
"DomainName":"live.aliyunlive.com",
"EndTime":"2016-05-20T01:33:00Z",
"SourceUrl":"http://test",
"StartTime":"2016-05-15T01:30:00Z",
"StreamName":"xxxxxx"
}]
},
"RequestId":"A3136B58-5876-4168-83CA-B562781981A0"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

Streams

DescribeLiveStreamsBlockList

Description

Get the live stream playback blacklist under the domain name.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveStreamsBlockList	The name of this interface. Value: DescribeLiveStreamsBlockList
DomainName	String	Yes	www.yourdomain.com	Your Live domain name.
PageNum	Integer	No	2	Page munber. Default value: 1
PageSize	Integer	No	10	Page size. Maximum: 3000. Range: random integer before 1~3000. Default value: 2000

Return parameters

Parameters	Type	Example values	Description
DomainName	String	play.aliyunlive.com	Your live domain name, which the streams belong to.

StreamUrls	String	play.aliyunlive.com/AppName/StreamName	Full list of streaming URLs.
RequestId	String	40A4F36D-A7CC-473A-88E7-154F92242566	The ID of the job request.
PageNum	Integer	2	Page number.
PageSize	Integer	10	Page size
TotalNum	Integer	11	The total number that comforms with the conditions.
TotalPage	Integer	2	The total number of pages.

Example

Request example

```
https://live.aliyuncs.com/?Action=DescribeLiveStreamsBlockList&DomainName=test101.aliyunlive.com&&PageSize=10&PageNum=2&<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"DomainName":"test101.cdnpe.com",
"PageNum":2,
"PageSize":10,
"RequestId":"9D855EC8-CF71-4615-B164-F7DFCB23B41D",
"StreamUrls":{
"StreamUrl":["test101.cdnpe.com/app/stream1"]
},
"TotalNum":11,
"TotalPage":2
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

DescribeLiveStreamsControlHistory

Description

Get the operation history on a live stream under a domain name or app.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveStreamsControlHistory	The name of this interface. Value: DescribeLiveStreamsControlHistory
DomainName	String	Yes	play.yourdomain.com	Your live domain name.
EndTime	String	Yes	2017-12-22T08:00:00:00Z	Query end time, in UTC. Format: 2015-12-01T17:37:00Z. - The

				time interval between EndTime and StartTime does not exceed 30 days.
StartTime	String	Yes	2017-12-21T08:00:00:00Z	Query start time, in UTC. Format: 2015-12-01T17:36:00Z.
AppName	String	No	testApp	Name of the app, which the live stream belongs to.

Return parameters

Parameters	Type	Example values	Description
ControlInfo			Operation history of the live stream.
└StreamName	String	StreamName	Name of the stream.
└ClientIP	String	10.207.197.201	The client IP address.
└Action	String	DescribeLiveStreamsControlHistory	Name of the action executed.
└TimeStamp	String	2015-12-01T16:36:18Z	Time when the action is run in UTC.
RequestId	String	40A4F36D-A7CC-	The ID of the job

		473A-88E7-154F92242566	request.

Example

Request example

```
https://live.aliyuncs.com/?Action=DescribeLiveStreamsControlHistory&DomainName=test101.aliyunlive.com&StartTime=2015-06-25T03:30:50Z&EndTime=2015-12-01T17:37:00Z&<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"ControlInfo":{
"LiveStreamControlInfo":[{
"Action":"forbid",
"ClientIP":"10.207.197.201",
"StreamName":"test101.aliyunlive.com/diaoliang/dd",
"TimeStamp":"2015-12-01T16:36:18Z"
}]
},
"RequestId":"9C31856F-386D-4DB3-BE79-A0AA493D702A"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

DescribeLiveStreamBitRateData

Description

Get the frame rate and bit rate in a set time range of a rtmp-based live stream. Applicable for getting history data.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveStreamBitRateData	The name of this interface. Value: DescribeLiveStreamBitRateData
DomainName	String	Yes	www.yourdomain.com	Your domain name.
AppName	String	No	testApp	Name of the app, which live stream belongs to.
EndTime	String	No	2017-12-22T08:00:00:00Z	EndTime. - UTC format, for example: 2016-06-30T19:00:00Z.
StartTime	String	No	2017-12-21T08:00:00:00Z	StartTime. - UTC

				format, for example: 2016-06-29T19:00:00Z.
StreamName	String	No	testStream	Name of live stream.

Return parameters

Parameters	Type	Example values	Description
FrameRateAndBitRateInfos			Frame rate/bit rate information of the live streams.
└StreamUrl	String	rtmp://play.aliyunlive.com/AppName/StreamName	URL of the live stream.
└VideoFrameRate	Float	30	Video frame rate of the live stream.
└AudioFrameRate	Float	100	Audio frame rate of the live stream.
└BitRate	Float	600	Bit rate of the live stream.
└Time	String	2016-09-13T16:04:00Z	Statistic time. - UTC time.
RequestId	String	40A4F36D-A7CC-473A-88E7-154F92242566	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=DescribeLiveStreamsFrameRateAndBitRateData&DomainName=live.aliyunlive.com&AppName=testApp&StreamName=testStream&StartTime=2016-09-13T16:00:00Z&EndTime=2016-09-13T16:05:00Z&<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"FrameRateAndBitRateInfos":{
"FrameRateAndBitRateInfo":[
{
"AudioFrameRate":"167.67",
"BitRate":"192.02",
"StreamUrl":"rtmp://live.aliyunlive.com/live/test101",
"Time":" 2016 - 09 - 13 T16: 05: 00 Z",
"VideoFrameRate":"30.01"
},
{
"AudioFrameRate":"165.43",
"BitRate":"192",
"StreamUrl":"rtmp://live.aliyunlive.com/live/test102",
"Time":"2016 - 09 - 13 T16: 04: 00 Z",
"VideoFrameRate":"29.22"
},
{
"AudioFrameRate":"166.77",
"BitRate":"192",
"StreamUrl":"rtmp://live.aliyunlive.com/live/test103",
"Time":"2016 - 09 - 13 T16: 03: 00 Z",
"VideoFrameRate":"30.33"
},
{
"AudioFrameRate":"167.53",
"BitRate":"192",
"StreamUrl":"rtmp://live.aliyunlive.com/live/test104",
"Time":"2016 - 09 - 13 T16: 02: 00 Z",
"VideoFrameRate":"30"
},
{
"AudioFrameRate":"168.01",
"BitRate":"192",
"StreamUrl":"rtmp://live.aliyunlive.com/live/test104",
"Time":"2016 - 09 - 13 T16: 01: 00 Z",
"VideoFrameRate":"30"
```

```
}
]
},
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

DescribeLiveStreamsOnlineList

Description

View the information of all the streams being pushed under a specific domain name (or an app under a specified domain name).

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveStreamsOnlineList	The name of this interface. Value: DescribeLiveStreamsOnlineList
DomainName	String	Yes	play.yourdomain.com	Your Live domain name.

AppName	String	No	testApp	Name of the app.
PageNum	Integer	No	1	The page number. Default value: 1
PageSize	Integer	No	1500	The page size, maximum: 3000. Range: random integer between 1 to 3000 Default value: 2000
StreamType	String	No	all	Stream type. Range: - all - raw - trans Correspondingly check all the streams, raw streams and transcoding streams. Default: all means returing all ll the stream information.

Return parameters

Parameters	Type	Example values	Description
OnlineInfo			Information of the stream being pushed.
└DomainName	String	play.yourdomain.com	The Live domain name, which the stream belongs to.
└AppName	String	AppName	Name of the app, which the stream belongs to.
└StreamName	String	StreamName	Name of the stream.

└PublishTime	String	2015-12-02T06:58:04Z	The time when streaming starts in UTC.
└PublishUrl	String	rtmp://play.aliyunlive.com/AppName/StreamName	The full streaming URL.
└PublishDomain	String	push.aliyunlive.com	The live streaming domain name. If using the center streaming, you can enter the playback domain name directly.
RequestId	String	40A4F36D-A7CC-473A-88E7-154F92242566	The ID of the job request.
PageNum	Integer	1	The page number.
PageSize	Integer	10	The page size.
TotalNum	Integer	10	The total number that comforms with the conditions.
TotalPage	Integer	100	The total number of pages.

Example

Request example

```
https://live.aliyuncs.com/?Action=DescribeLiveStreamsOnlineList&DomainName=test101.aliyunlive.com&PageSize=10&PageNum=2&<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
```

```
"OnlineInfo":{
"LiveStreamOnlineInfo":[{
"AppName":"xchen",
"DomainName":"test101.cdnpe.com",
"PublishTime":"2015-12-02T06:58:04Z",
"PublishUrl":"rtmp://test101.cdnpe.com/xchen",
"StreamName":"testxchen"
}]
},
"PageNum":2,
"PageSize":10,
"RequestId":"0D70427D-91E4-4349-AAD3-5511A5BB823B",
"TotalNum":11,
"TotalPage":2
}
```


Exception return example

JSON format


```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```


Error code

For more information about error code of this product, see Error code.

DescribeLiveStreamsPublishList

Description

View the streaming history of a domain name (or an app under the domain name) within a period of time.

Request parameters

Parameters	Type	Required	Example values	Description

Action	String	Yes	DescribeLiveStreamsPublishList	The name of this interface. Value: DescribeLiveStreamsPublishList
DomainName	String	Yes	play.yourdomain.com	Your Live domain name.
EndTime	String	Yes	2017-12-22T08:00:00:00Z	EndTime. - UTC format, for example: 2016-06-30T19:00:00Z. - The time interval between EndTime and StartTime does not exceed 30 days.
StartTime	String	Yes	2017-12-21T08:00:00:00Z	StartTime. - UTC format, for example:

				2016-06-29T19:00:00Z.
AppName	String	No	testApp	Name of the app, which the stream belongs to.
PageNumber	Integer	No	1	The page number. Default value: 1
PageSize	Integer	No	1500	The page size. - Maximum: 3000. - Range: random integer between 1 and 3000. Default value: 3000
StreamName	String	No	testStream	Name of the live stream.

Return parameters

Parameters	Type	Example values	Description
PublishInfo			Streaming history informaiton.
└DomainName	String	play.yourdomain.com	The CDN domain name, which the stream belongs to.

└AppName	String	AppName	Name of the app, which the stream belongs to.
└StreamName	String	StreamName	Name of the live stream.
└StreamUrl	String	http://play.aliyunlive.com/AppName/StreamName.flv	The URL of live stream.
└PublishTime	String	2015-12-02T03:05:53Z	The time when streaming starts. - UTC time.
└StopTime	String	2015-12-02T03:11:19Z	The time when streaming stops. - UTC time.
└ClientAddr	String	10.175.60.33	Broadcaster IP.
└EdgeNodeAddr	String	10.175.30.21	The upstream node IP of CDN.
└PublishUrl	String	rtmp://push.aliyunlive.com/AppName/StreamName	The full streaming URL.
└PublishDomain	String	play.yourdomain.com	Streaming domain name.
RequestId	String	40A4F36D-A7CC-473A-88E7-154F92242566	The ID of the job request.
PageNum	Integer	2	Page number.
PageSize	Integer	10	The page size.
TotalNum	Integer	11	The total number of eligible items.
TotalPage	Integer	2	The total number of pages.

Example

Request example

```
https://live.aliyuncs.com?Action=DescribeLiveStreamsPublishList&DomainName=test101.aliyunlive.com&StartTime=2015-06-25T03:30:50Z&EndTime=2015-12-26T03:30:50Z&PageSize=10&PageNum=2&<Public Request Parameter>
```

For more inforamtion, see Public Request Parameter.

Normal return example

JSON format

```
{
"PageNum":2,
"PageSize":10,
"PublishInfo":{
"LiveStreamPublishInfo":[{
"AppName":"xchen",
"ClientAddr":"10.175.60.33",
"DomainName":"test101.cdnpe.com",
"EdgeNodeAddr":"10.175.30.21",
"PublishDomain":"test101.cdnpe.com",
"PublishTime":"2015-12-02T03:05:53Z",
"PublishUrl":"rtmp://test101.cdnpe.com/xchen",
"StopTime":"2015-12-02T03:11:19Z",
"StreamName":"testxchen",
"StreamUrl":"rtmp://xxx/xxxx"
}]
},
"RequestId":"1C0E0C22-77B7-42AC-8212-AF99B2E0077F",
"TotalNum":11,
"TotalPage":2
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

ForbidLiveStream

Description

Forbid publishing a stream. You can set a time to resume streaming.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	ForbidLiveStream	The name of this interface. Value: ForbidLiveStream
AppName	String	Yes	testApp	Name of the app.
DomainName	String	Yes	www.yourdomain.com	Your Live domain name.
LiveStreamType	String	Yes	publisher	Used to specify whether to adopt stream pushing by the broadcaster or stream pulling by the client. Currently **publisher** (pushed by the broadcaster) is supported.
StreamName	String	Yes	testStream	Name of the stream.
ResumeTime	String	No	2015-12-01T17:37:00Z	Time when resume the stream.

				- UTC time, format: 2015-12-01T17:37:00Z.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	40A4F36D-A7CC-473A-88E7-154F92242566	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=ForbidLiveStream&DomainName=test101.aliyunlive.com&AppName=app&StreamName=stream1&LiveStreamType=publisher&<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSONformat

```
{
"RequestId":"16BFE188-B193-4C3C-ADC5-79A7E31486EA"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

ResumeLiveStream

Description

Resume the publishing of a stream.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	ResumeLiveStream	The name of this interface. Value: ResumeLiveStream
AppName	String	Yes	testApp	Name of the app.
DomainName	String	Yes	www.yourdomain.com	Your live domain name.
LiveStreamType	String	Yes	publisher	Used to specify whether to adopt stream pushing by the broadcaster or stream pulling by the client. Currently “publisher” (pushed by the broadcaster) is

				supported.
StreamName	String	Yes	testStream	Name of the stream.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	40A4F36D-A7CC-473A-88E7-154F92242566	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=ResumeLiveStream&DomainName=test101.aliyunlive.com&AppName=app&StreamName=stream1&<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RequestId":"16BFE188-B193-4C3C-ADC5-79A7E31486EA"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
```

```
}
```

Error code

For more information about error code of this product, see Error code.

DescribeLiveStreamsFrameRateAndBitRateData

Description

Query frame rate and bit rate in real time.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveStreamsFrameRateAndBitRateData	The name of this interface. Value: DescribeLiveStreamsFrameRateAndBitRateData
DomainName	String	Yes	www.yourdomain.com	Your domain name.
AppName	String	Yes	testApp	Name of the app, which the live stream belongs to.
EndTime	String	No	2017-12-21T08:00:00:00Z	End time. - UTC format. - The time interval

				between StartTime and EndTime is within 7 days, and the EndTime exceeds the current time.
StartTime	String	No	2017-12-21T08:00:00:00Z	Start time. - UTC format. - The time interval between the StartTime and EndTime is within 7 days, and the EndTime exceeds the current

				time.
StreamName	String	No	testStream	Live stream name.

Return parameters

Parameters	Type	Example values	Description
FrameRateAndBitRateInfos			Frame rate/bit rate information of the live streams.
└StreamUrl	String	rtmp://play.aliyunlive.com/AppName/StreamName	URL of the live stream.
└VideoFrameRate	Float	30	Video frame rate of the live stream.
└AudioFrameRate	Float	50	Audio frame rate of the live stream.
└BitRate	Float	600	Bit rate of the live stream.
└Time	String	2016-09-13T16:05:00Z	Statistic time. UTC time.
RequestId	String	40A4F36D-A7CC-473A-88E7-154F92242566	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com?Action=DescribeLiveStreamsFrameRateAndBitRateData&DomainName=live.aliyunlive.com
&<Public Request Parameter>
```

Normal return example

JSON format

```
{
"FrameRateAndBitRateInfos":{
"FrameRateAndBitRateInfo":[{
"AudioFrameRate":"167.67",
"BitRate":"192.02",
"StreamUrl":"rtmp://live.aliyunlive.com/live/test101",
"Time":"2016 - 09 - 13 T16: 05: 00 Z",
"VideoFrameRate":"30.01"
}]
},
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```


Exception return example

JSON format


```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```


Error code

For more information about error code of this product, see Error code.

Notify

SetLiveStreamsNotifyUrlConfig

Description

Set the URL which the live stream information is pushed to.

Request parameters

Parameters	Type	Required or not	Example values	Description
Action	String	Yes	SetLiveStreamsNotifyUrlConfig	The name of this interface. Value: SetLiveStreamsNotifyUrlConfig
DomainName	String	Yes	www.yourdomain.com	Your live domain name.
NotifyUrl	String	Yes	rtmp://play.aliyunlive.com/notify	Set the URL which the live stream information is pushed to. It must start with http://.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	40A4F36D-A7CC-473A-88E7-154F92242566	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=SetLiveStreamsNotifyUrlConfig&DomainName=test101.cdnpe.com&NotifyUrl=http://api.cdnpe.com&<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RequestId":"4C747C97-7ECD-4C61-8A92-67AD806331FF"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

DescribeLiveStreamsNotifyUrlConfig

Description

Query the configuration of streaming callback.

Request parameters

Parameters	Type	Required or not	Example values	Description
Action	String	Yes	DescribeLiveStreamsNotifyUrlConfig	The name of this interface. Value: DescribeLiveStreamsNotifyUrlConfig
DomainName	String	Yes	www.yourdomain.com	Your CDN domain name.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	rtmp://play.aliyunlive.com/AppName/StreamName	The ID of the job request.
LiveStreamsNotifyConfig			Query Notify configuration.
└DomainName	String	play.aliyunlive.com	Your CDN domain name.
└NotifyUrl	String	rtmp://play.aliyunlive.com/notify	Callback address.

Example

Request example

```
https://live.aliyuncs.com/?Action= DescribeLiveStreamsNotifyUrlConfig&DomainName=live.aliyunlive.com&<public request parameters>
```

For more information, see public request parameters.

Normal return example

JSON format

```
{
"NotifyUrlConfig":{
"DomainName":"live.aliyunlive.com",
"NotifyUrl":"http://xxx.com/xx"
},
"RequestId":"4C747C97-7ECD-4C61-8A92-67AD806331FF"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

DeleteLiveStreamNotifyUrlConfig

Description

Delete configuration of streaming callback.

Request parameters

Parameters	Type	Required or not	Example values	Description
Action	String	Yes	DeleteLiveStreamsNotifyUrlConfig	The name of this interface. Value: DeleteLiveStreamsNotifyUrlConfig
DomainName	String	Yes	www.yourdomain.com	Your CDN domain name.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	40A4F36D-A7CC-473A-88E7-154F92242566	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=DeleteLiveStreamsNotifyUrlConfig&DomainName=live.aliyunlive.com&<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RequestId":"4C747C97-7ECD-4C61-8A92-67AD806331FF"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

Notification format introduction

Description

Notification of the real-time stream status information, informing the user of the streaming or streaming interruption operation result in a timely manner.

Attentions

Principle: The real-time stream status feedback is implemented through GET requests sent to the user’ s server through the HTTP interface so that the user can learn whether video stream push is successful or finished. The user server returns 200 responses to the interface.

You do not have to identify the URL if normal access is allowed. The following requirements are imposed on URL responses:

In case of access timeout, the URL is retried. Currently, the timeout duration is five seconds, the number of retries is five and the retry interval is one second..

Example Instructions

Example

http://
1.1.1.1?action=publish&app=xc.cdnpe.com&appname=hello&id=world&ip=42.120.74.183&node=cdnvideocenter010207116011.cm3

Parameter	Value description
time	UNIX timestamp.
usrargs	The user’ s streaming parameter.
action	publish means stream push. publish_done means push finished.
app	The default value is the self-defined streaming domain name. If no streaming domain name is bound, it is the playing domain name.
appname	The app name.
id	The stream name.
node	The name of the node or the machine in the CDN that receives the stream.
ip	The IP address of the client that pushes the stream.

Transcoding

AddLiveStreamTranscode

Description

Add transcoding configuration information.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	AddLiveStream Transcode	The name of this interface. Value: AddLiveStream Transcode
App	String	Yes	app	Name of the app, which the live stream belongs to.
Domain	String	Yes	play.aliyunlive.com	Your CDN domain name.
Template	String	Yes	lld	Transcoding template. Currently supports: high-quality NarrowbandHD templates: ld, sd, hd, and ud.

Return parameters

Parameters	Type	Example values	Description

RequestId	String	40A4F36D-A7CC-473A-88E7-154F92242566	The ID of the job request

Example

Request example

```
https://live.aliyuncs.com/?Action=AddLiveStreamTranscode&Domain=live.aliyunlive.com&App=xxx&Template=ld&
<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

AddCustomLiveStreamTranscode

Description

Add custom transcode configuration information.

Request parameter

Parameters	Type	Required	Example values	Description
Action	String	Yes	AddCustomLiveStreamTranscode	The name of this interface. Value: AddCustomLiveStreamTranscode
App	String	Yes	AppName	Name of the app, which the live stream belongs to. Value requirement: number, upper case letters, lower case letters, underline (_), or hyphen (-).
Domain	String	Yes	live.aliyunlive.com	Your CDN domain name.
FPS	Integer	Yes	30	Transcode video frame per second. Unit: fps. Value requirement: [1, 30]
Height	Integer	Yes	720	Transcode video width. - Value requirement: Width

				≥ 100 - max(Height, Width) ≤ 1920 - min(Height, Width) ≤ 1080
Template	String	Yes	LDtest	Transcode template custom name. Value requirement: number, upper case letters, lower case letters, or hyphen (-). **Note: This name and the standard transcode template are not the same.**
TemplateType	String	Yes	h264	Custom trascode template type. Currently, - only supppports: h264-nbhd (custom H264 narrowband high-definition template) - not

				supports: h264 (custom H264 standard template).
VideoBitrate	Integer	Yes	720	Transcode video bit rate, unit: kbps. Value requirement: [1, 6000] **Note: transoded video approximates the bit rate you set as much as possible, but not actually the same, especially when the bit rate you set is much too higher or lower.**
Width	Integer	Yes	576	Transcode video width. - Value requirement: Width ≥ 100 - max(Height, Width) ≤ 1920 - min(Height, Width) ≤ 1080

Version	String	No	1.0	Version.

Return parameter

Parameters	Type	Example values	Description
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the job request.

Example

Return example

```
https://live.aliyuncs.com?Action=AddCustomLiveStreamTranscode&Domain=test101.cdnpe.com&App=AppName&Template=LDtest&TemplateType=h264&Height=1280&Width=720&FPS=25&VideoBitrate=2400&<public request parameter>
```

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Error code

For more information about error code of this product, see Error code.

DeleteLiveStreamTranscode

Description

Delete transcoding configuration.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DeleteLiveStreamTranscode	The name of this interface. Value: DeleteLiveStreamTranscode
App	String	Yes	app	Name of the app, which the live stream belongs to.
Domain	String	Yes	play.aliyunlive.com	Your CDN domain name.
Template	String	Yes	lld	Transcoding template. Currently supports: h264-nbhd (custom H264 narrowband high-definition template).

Return parameters

Parameters	Type	Example values	Description
RequestId	String	40A4F36D-A7CC-473A-88E7-154F92242566	The ID of the job request

Example

request example

```
https://live.aliyuncs.com/?Action=DeleteLiveStreamTranscode&Domain=test101.aliyunlive.com&App=xxx&Template=xxx&&<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

DescribeLiveStreamTranscodeInfo

Description

Query transcoding configuration information.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveStreamTranscodeInfo	The name of this interface. Value: DescribeLiveStreamTranscodeInfo
DomainTranscodeName	String	Yes	play.aliyunlive.com	Your CDN domain name.

Return parameters

Parameters	Type	Example values	Description
DomainTranscodeList			Transcoding configuration information.
└TranscodeName	String	play.aliyunlive.com	Playback domain name.
└TranscodeApp	String	app	The app name.
└TranscodeTemplate	String	lld	Transcoding template. Currently support: h264-nbhd (custom H264 narrowband high-definition template).
└CustomTranscodeParameters			User custom transcode confguration.
└VideoBitrate	Integer	3000	Transcode video bit rate. Unit: kbps.
└FPS	Integer	15	Transcode video frame per second. Unit: fps

└Height	Integer	1200	Transcode video height.
└Width	Integer	1000	Transcode video width.
└TemplateType	String	h264	Custom trascode template type.
RequestId	String	40A4F36D-A7CC-473A-88E7-154F92242566	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=DescribeLiveStreamTranscodeInfo&DomainTranscodeName=xxxxx&<public request parameter>
```

For more information, see public request parameter.

Normal return example

JSON format

```
{
"DomainTranscodeList":{
"DomainTranscodeInfo":[
{
"TranscodeApp":"xxxx",
"TranscodeName":"xxxx",
"TranscodeTemplate":"xxxx"
},
{
"CustomTranscodeParameters":{
"FPS":25,
"Height":720,
"Type":"h264",
"VideoBitrate":2000,
"Width":1280
},
"TranscodeApp":"yyyy",
"TranscodeName":"yyyy",
"TranscodeTemplate":"yyyy"
```

```
}
]
},
"RequestId":"62136AE6-7793-45ED-B14A-60D19A9486D3"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

AddTrancodeSEI

Description

Add transcode SEI information.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	AddTrancodeSEI	The name of this interface. Value: AddTrancodeSEI
AppName	String	Yes	AppName	Name of the app, which the live stream belongs to.

Delay	Integer	Yes	100	The delay time after receiving the command. Unit: ms.
DomainName	String	Yes	live.aliyunlive.com	Your CDN domain name.
Pattern	String	Yes	keyframe	Chase each key frame / each frame. Value: keyframe / framekeyframe / frame.
Repeat	Integer	Yes	1	Repetition times. -1 represents unlimited.
StreamName	String	Yes	StreamName	Stream name.
Text	String	Yes	firsttxt	SEI text. Length limit:4000 bytes.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	40A4F36D-A7CC-473A-88E7-154F92242566	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=AddTrancodeSEI&AppName=AppName&Delay=100&DomainName=live.aliyunlive.com&Pattern=keyframe&Repeat=1&StreamName=StreamName&Text=firsttxt&<public request parameter>
```

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Error code

For more information about error code of this product, see Error code.

Live recording

AddLiveAppRecordConfig

Description

Configure App recording, and the output content is stored in OSS.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	AddLiveAppRecordConfig	The name of this interface. Value: AddLiveAppRecordConfig

AppName	String	Yes	test123	Name of the app, which the live stream belongs to. The wildcard *() is supported, indicating all the AppNames under the domain name.*
DomainName	String	Yes	test.com	Your CDN domain name.
OssBucket	String	Yes	test123	Name of the bucket in OSS.
OssEndpoint	String	Yes	oss-cn-shanghai.aliyuncs.com	OSS endpoint domain name.
EndTime	String	No	2018-04-16T09:57:21Z	The end time of recording time. The time must be set as within 15 days from the current time, only valid at the stream-level recording (StreamName is not left blank.), and must be later than the recording start time.
OnDemand	Integer	No	1	Recording on demand. - 0 indicates off. - 1 indicates recording by using HTTP callback.

				- 2 indicates recording by using streaming parameters. When you use the *1 method, you must set OnDemandCallback, or the recording is not performed by default.
RecordFormat.N.CycleDuration	Integer	No	1	Cycle recording duration. Unit: seconds. If the parameter is left blank, the duration is 1 hour by default.
RecordFormat.N.Format	String	No	m3u8	Format. Currently supports m3u8, flv, and mp4 for periodic recording.
RecordFormat.N.OssObjectPrefix	String	No	record/{AppName}/{StreamName}/{EscapedStartTime}{EscapedEndTime}	Recorded file name stored in OSS. - Smaller than 256 bytes. - Supports variable matching,

				including {AppName}, {StreamName}, {EscapedStartTime} and {EscapedEndTime}. - For example, record/{AppName}/{StreamName}/*{EscapedStartTime}*{EscapedEndTime}. - Parameter value must include {EscapedStartTime} and {EscapedEndTime}

				variables. - Supports one-hour periodic recording by default, minimum 15 minutes and up to 6 hours. - {EscapedStartTime}/{EscapedEndTime} format is 2006-01-02-15-04-05. - We recommend that you use Escaped format to avoid possibl

				e problems from certain special characters in the URL.
RecordFormat.N.SliceOssObjectPrefix	String	No	record/{AppName}/{StreamName}/{UnixTimestamp}_{Sequence}	When the recording format is m3u8, you must configure the name of ts slicer. - Each ts slice is 30 seconds by default, smaller than 256 bytes. - Supports variable matching, includes {AppName}, {StreamName} and {UnixTi

				mestamp}. - For example, record/{AppName}/{StreamName}/{UnixTimestamp}. - Parameter value must contain variable {UnixTimestamp}.
StartTime	String	No	2018-04-10T09:57:21Z	Recording start time. The time must be set as within 15 days from the current time, only valid at the stream-level recording (StreamName is not left blank.).
StreamName	String	No	teststream	Stream name.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	16A96B9A-F203-	The ID of the job

		4EC5-8E43-CB92E68F4CD8	request

Example

Request example

```
/?AppName=test123
&DomainName=test.com
&OssBucket=test123
&OssEndpoint=oss-cn-shanghai.aliyuncs.com
&Action=AddLiveAppRecordConfig
&RecordFormat.1.Format=m3u8
&AccessKeyId=XxlctR6mMqO6mhXxX
&EndTime=2018-04-16T09:57:21Z
&OnDemand=1
&RecordFormat.1.CycleDuration=1
&RecordFormat.1.OssObjectPrefix=record/{AppName}/{StreamName}/{Sequence}{EscapedStartTime}{EscapedEndTime}
&RecordFormat.1.SliceOssObjectPrefix=record/{AppName}/{StreamName}/{UnixTimestamp}_{Sequence}
&StartTime=2018-04-10T09:57:21Z
&StreamName=teststream
&<Public Request Parameter>
```

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

Manual recording

Description

You can use RealTimeRecordCommand interface to perform manual recording. For example, to dynamically start and stop recording in real time.

Request parameters

Parameter	Type	Required or not	Description
Command	String	Yes	The act of operation. Support start and stop operations.
DomainName	String	Yes	Your acceleration domain name.
AppName	String	Yes	The name of the App.
StreamName	String	Yes	The name of the stream.

Response parameters

Parameter	Type	Description
RequestId	String	The request ID of the task.

Example

Request example

```
https://live.aliyuncs.com?Action=RealTimeRecordCommand&DomainName=test101.cdnpe.com&AppName=abc&StreamName=s1&Command=start<Public request parameter>
```

Response example

JSONformat

```
{
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Special error code

Error code	Description	Http Status code	Meaning
InvalidDomain.NotFound	The domain provided does not exist in our records.	404	The domain name is not found under the current account.
MissingDomainName	DomainName is mandatory for this action.	400	The value of DomainName is missing.
MissingAppName	AppName is mandatory for this action.	400	The value of AppName is missing.
MissingStreamName	StreamName is mandatory for this action.	400	The value of StreamName is missing.
MissingCommand	Command is mandatory for this Command.	400	The value of Commandis missing.
InvalidStream.NotFound	Stream does not exist.	404	Stream does not exist.
InvalidConfig.NotFound	Config does not exist.	404	Configuration does not exist.
TaskAlreadyStarted	Task has already started.	409	The recording task has started.
InternalError	The request processing has failed due to some unknown error, exception or failure.	500	Internal error.

You can view the general error code of ApsaraVideo Live console. For more information, see API Error Center.

On-demand recording

Description

After you complete recording configuration, you can choose whether to record videos on demand.

Currently, you can record videos on demand in two ways:

Streaming parameters (Currently not support)

HTTP callback

HTTP callback indicates that you specify a callback URL, and configure a domain-level, app-level or stream-level recording as on-demand recording. If recording service receives a live stream which matches the domain name, app name or stream name of the live stream you have configured, recording service sends a request (including 5 parameters) to your callback URL to request whether you want to record the stream.

Request parameters

Parameters	Type	Description
domain	String	Domain name.
app	String	The name of the App.
stream	String	The name of the stream.
codec	String	Coding method. Value: h264, h265. If the parameter is left blank, the default value is h264.
vbitrate	String	The biterate of the video. Unit: Kbps. For example, 2000 indicates 2M Kbps.

Response parameters

Parameters	Type	Required or not	Description
ApiVersion	String	No	API version. Default value: Version 1.0.

NeedRecord	Bool	Yes	Whether recording is required.
Interval	Json Object	No	Recording cycle variation of a specific format. Value range: 5-21600. Unit: s.
Format	Array	No	Recording format, support MP4, FLV and M3U8.

Example

Request example

```
GET /?app=seq_all&domain=qt01.alivecdn.com&stream=ondemand8&vbitrate=2000&codec=h264 HTTP/1.1
Host: live.abc.com
User-Agent: Go-http-client/1.1
Accept-Encoding: gzip
```

Response example

```
{
"ApiVersion" : "1.0",
"NeedRecord" : true,
"Interval" : {
"Mp4": 300,
"Flv": 120,
"M3U8": 180
},
"Format" : ["mp4","flv"]
}
```

Response parameters processing

Recording service overwrites parameters returned by user as well as existing parameters. For example, if you enter the Interval parameter, the Interval you configured overwrites the Interval of the recording configured in database. And for the Format, recording service adopts the intersection of the Format you configured and the Format configured in database. If the Format you specify is not within the existing configuration of the database, the live stream is not recorded.

Note:

All the http status codes that are not 200 are regarded as failure of invoking user interface.

The body length is restricted to 2048 characters. If the body length exceeds 2048 characters, the body is cut short to avoid vicious attacks.

DeleteLiveAppRecordConfig

Description

Delete the recording configuration.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DeleteLiveAppRecordConfig	The name of this inerface. Value: DeleteLiveAppRecordConfig
AppName	String	Yes	testApp	Name of the app, which the live stream belongs to.
DomainName	String	Yes	www.yourdomain.com	Your CDN domain name.
StreamName	String	No	teststream	The name of the stream.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the job request

Example

Request example

```
https://live.aliyuncs.com/?Action=DeleteLiveAppRecordConfig&DomainName=test101.aliyunlive.com&AppName=xxx<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

DescribeLiveRecordConfig

Description

Query the recording configuration of all the apps under the domain name.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveRecordConfig	The name of this interface. Value: DescribeLiveRecordConfig
DomainName	String	Yes	www.yourdomain.com	Your CDN domain name.
AppName	String	No	testApp	Name of the app, which the live stream belongs to.
Order	String	No	asc	Sort. - Asc:ascending. - Desc:descending. Default value: Asc
PageNum	Integer	No	1	The page number. Default value: 1
PageSize	Integer	No	5	The page size. Range: 5 ~ 30. Default value: 10

Return parameters

Parameters	Type	Example values	Description
RequestId	String	5056369B-D337-499E-B8B7-B761BD37B08A	The ID of the job request.
LiveAppRecordList			Recording configuration.
└DomainName	String	test.com	The CDN domain

			name, which the stream belongs to.
└AppName	String	test123	Name of the app, which the stream belongs to.
└OssEndpoint	String	oss-cn-shanghai.aliyuncs.com	OSS endpoint.
└OssBucket	String	test123	Name of the bucket in OSS.
└CreateTime	String	2016-05-20T09:33:38Z	Creation time.
└RecordFormatList			Recording format list.
└Format	String	xxx	Name of the format.
└OssObjectPrefix	String	xxx	Name of the file stored in OSS.
└SliceOssObjectPrefix	String	xxx	Name of the slice file stored in OSS.
└CycleDuration	Integer	3600	Cycle recording time. Unit: seconds.
PageNum	Integer	5	The page number.
PageSize	Integer	10	The page size.
Order	String	desc	Sort.
TotalPage	Integer	20	The total number of pages.
TotalNum	Integer	12	The total number of eligible items.

Example

Request example

```
https://live.aliyuncs.com/?Action=DescribeLiveRecordConfig&DomainName=xxxxx<Public Request Parameter>
```

For more inormation, see Public Request Parameter.

Normal return example

JSON format


```
{
"LiveAppRecordList":{
"LiveAppRecord":[{
"AppName":"aliyuntest",
"CreateTime":"2016-05-20T09:33:38Z",
"DomainName":"xxxxx",
"FormatList":{
"Format":[{
"Name":"m3u8",
"OssObjectPrefix":"xxx",
"SliceOssObjectPrefix":"xxx"
}]
},
"OssBucket":"chimang.bucket",
"OssEndpoint":"oss-cn-hangzhou.aliyuncs.com"
}]
},
"RequestId":"5056369B-D337-499E-B8B7-B761BD37B08A"
}
```


Exception return example

JSON format


```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```


Error code

For more information about error code of this product, see Error code.

DescribeLiveStreamRecordContent

Description

Query the recording content.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveStreamRecordContent	The name of this interface. Value: DescribeLiveStreamRecordContent
AppName	String	Yes	testApp	Name of the app, whcih the live stream belongs to.
DomainName	String	Yes	www.yourdomain.com	Your CDN domain name.
EndTime	String	Yes	2017-12-22T08:00:00:00Z	End time. - Format: 2015-12-01T17:36:00Z. - The interval between the EndTime and StartTime does

				not exceed 4 days.
StartTime	String	Yes	2017-12-21T08:00:00:00Z	Start time. Format: 2015-12-01T17:36:00Z.
StreamName	String	Yes	testStream	Name of the live stream.

Return parameters

Parameters	Type	Example values	Description
RecordContentInfoList			Recorded content list.
└OssEndpoint	String	oss-cn-shanghai.aliyuncs.com	OSS endpoint.
└OssBucket	String	test123	Name of the bucket in OSS.
└OssObjectPrefix	String	record/{Date}/{UnixTimestamp}_{Sequence}	Rules of recorded files stored in OSS.
└StartTime	String	2015-12-01T17:36:00Z	Start time. Format: 2015-12-01T17:36:00Z.
└EndTime	String	2015-12-01T17:36:00Z	End time. Format: 2015-12-01T17:36:00Z.
└Duration	Float	10	Recording duration.
RequestId	String	62136AE6-7793-45ED-B14A-60D19A9486D3	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=DescribeLiveStreamRecordContent&DomainName=live.aliyunlive.com&AppName=aliyuntest&StreamName=xxx&StartTime=xxx&EndTime=xxx&<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RecordContentInfoList":{
"RecordContentInfo":[{
"Duration":14638.0,
"EndTime":"2016-05-25T09:41:09Z",
"OssBucket":"livevideo-test",
"OssEndpoint":"oss-cn-hangzhou.aliyuncs.com",
"OssObjectPrefix":"record/{Date}/{UnixTimestamp}_{Sequence}",
"StartTime":"2016-05-25T05:37:11Z"
}]
},
"RequestId":"62136AE6-7793-45ED-B14A-60D19A9486D3"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

CreateLiveStreamRecordIndexFiles

Description

Create a record index file.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	CreateLiveStreamRecordIndexFiles	The name of this interface. Value: CreateLiveStreamRecordIndexFiles
AppName	String	Yes	testApp	Name of the app, which the live stream belongs to.
DomainName	String	Yes	www.yourdomain.com	Your CDN domain name.
EndTime	String	Yes	2017-12-22T08:00:00:00Z	End time. - Format: 2015-12-01T17:36:00Z. - The interval between the EndTime and StartTime does

				not exceed 4 days.
OssBucket	String	Yes	test123	Name of the bucket in OSS.
OssEndpoint	String	Yes	oss-cn-shanghai.aliyuncs.com	OSS endpoint.
OssObject	String	Yes	{AppName}/{StreamName}/{Date}/{Hour}/{Minute}_{Second}.m3u8	Name of the recorded file stored in OSS.
StartTime	String	Yes	2017-12-21T08:00:00:00Z	Start time. Format: 2015-12-01T17:36:00Z.
StreamName	String	Yes	testStream	Name of the live stream.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	550439A3-F8EC-4CA2-BB62-B9DB43EEEF30	The ID of the job request.
RecordInfo			Recording configuration.
└RecordUrl	String	http://xxx.xxx/atestObject.m3u8	Index file address.
└DomainName	String	test.com	The CDN domain name, which the stream belongs to.
└AppName	String	test123	The CDN domain name, which the stream belongs to.
└StreamName	String	test123	Name of the live stream.
└StartTime	String	2015-12-01T17:36:00Z	Start time. Format: 2015-12-

			01T17:36:00Z.
└EndTime	String	2015-12-01T17:36:00Z	End time. Format: 2015-12-01T17:36:00Z.
└Duration	Float	20	Recording duration. Unit: seconds.
└Height	Integer	480	Video height.
└Width	Integer	640	Video width.
└CreateTime	String	2016-05-27T09:40:56Z	Creation time.
└RecordId	String	c4d7f0a4-b506-43f9-8de3-07732c3f3d82	Index file ID.
└OssBucket	String	bucket	Name of the bucket in OSS.
└OssEndpoint	String	oss-cn-hangzhou.aliyuncs.com	OSS endpoint domain name.
└OssObject	String	atestObject.m3u8	Name of the recorded file stored in OSS.

Example

Request example

```
https://live.aliyuncs.com/?Action=CreateLiveStreamRecordIndexFiles&DomainName=xxxxx&AppName=aliyuntest&StreamName=xxx&OssEndpoint=oss-cn-hangzhou.aliyuncs.com&OssBucket=xxx&OssObject=atestObject.m3u8&StartTime=xxx&EndTime=xxx&<Public Request Parameter>
```

Fore more information, see Public Request Parameter.

Normal request example

JSON format

```
{
"RecordInfo":{
"AppName":"xxx",
"CreateTime":"2016-05-27T09:40:56Z",
"DomainName":"xxx",
"Duration":588.849,
"EndTime":"2016-05-25T05:47:11Z",
"Height":480,
"OssBucket":"bucket",
"OssEndpoint":"oss-cn-hangzhou.aliyuncs.com",
"OssObject":"atestObject.m3u8",
"RecordId":"c4d7f0a4-b506-43f9-8de3-07732c3f3d82",
"RecordUrl":"http://xxx.xxx/atestObject.m3u8",
"StartTime":"2016-05-25T05:37:11Z",
"StreamName":"xxx",
"Width":640
},
"RequestId":"550439A3-F8EC-4CA2-BB62-B9DB43EEEF30"
}
```


Exception return example

JSONformat


```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```


Error code

For more information about error code of this product, see Error code.

DescribeLiveStreamRecordIndexFile

Description

Query an individual recording index file.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveStreamRecordIndexFile	The name of this interface. Value: DescribeLiveStreamRecordIndexFile
AppName	String	Yes	testApp	Name of the app, which the live stream belongs to.
DomainName	String	Yes	www.yourdomain.com	Your CDN domain name.
RecordId	String	Yes	xxx	Index file ID.
StreamName	String	Yes	testStream	Name of the live stream.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	5EBF2AC3-4B73-40A5-8B32-83F49D5F035E	Request ID.
RecordIndexInfo			Recording configuration.
└RecordUrl	String	http://xxx.xxx/atestObject.m3u8	Index file address.
└DomainName	String	test.com	The CDN domain name, which the stream belongs to.
└AppName	String	xxx	Name of the app, which the stream belongs to.
└StreamName	String	xxx	Name of the live stream.
└OssBucket	String	tes123	Name of the bucket in OSS.

└OssEndpoint	String	oss-cn-hangzhou.aliyuncs.com	Name of the endpoint stored in OSS.
└OssObject	String	test123	Name of the recorded file stored in OSS.
└StartTime	String	2015-12-01T17:36:00Z	Start time. Format: 2015-12-01T17:36:00Z.
└EndTime	String	2016-05-25T05:47:11Z	End time. Format: 2015-12-01T17:36:00Z.
└Duration	Float	588.849	Recording duration.
└Height	Integer	480	Video height.
└Width	Integer	640	Video width.
└CreateTime	String	2016-05-27T09:40:56Z	Creation time.
└RecordId	String	c4d7f0a4-b506-43f9-8de3-07732c3f3d82	Index file ID.

Example

Request example

```
https://live.aliyuncs.com/?Action=DescribeLiveStreamRecordIndexFile&DomainName=live.aliyunlive.com&AppName=aliyuntest&StreamName=xxx&RecordId=xxx&<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RecordIndexInfo":{
```

```
"AppName":"xxx",
"CreateTime":"2016-05-27T09:40:56Z",
"DomainName":"xxx",
"Duration":588.849,
"EndTime":"2016-05-25T05:47:11Z",
"Height":480,
"OssBucket":"bucket",
"OssEndpoint":"oss-cn-hangzhou.aliyuncs.com",
"OssObject":"atestObject.m3u8",
"RecordId":"c4d7f0a4-b506-43f9-8de3-07732c3f3d82",
"RecordUrl":"http://xxx.xxx/atestObject.m3u8",
"StartTime":"2016-05-25T05:37:11Z",
"StreamName":"xxx",
"Width":640
},
"RequestId":"5EBF2AC3-4B73-40A5-8B32-83F49D5F035E"
}
```


Exception return example

JSON format


```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```


Error code

For more information about error code of this product, see Error code.

DescribeLiveStreamRecordIndexFiles

Description

Query the record index file.

Request parameters

Parameters	Type	Required	Example value	Description

Action	String	Yes	DescribeLiveStreamRecordIndexFiles	The name of this interface. Value: DescribeLiveStreamRecordIndexFiles
AppName	String	Yes	testApp	Name of the app, which the live stream belongs to.
DomainName	String	Yes	www.yourdomain.com	Your CDN domain name.
EndTime	String	Yes	2017-12-22T08:00:00:00Z	End time. - Format: 2015-12-01T17:36:00Z. - The interval between the EndTime and StartTime does not exceed 4 days.
StartTime	String	Yes	2017-12-21T08:00:00:00Z	Start time. Format: 2015-12-01T17:36:00Z.
StreamName	String	Yes	testStream	Name of the live stream.
Order	String	No	asc	Sort. - Asc:

				ascending. - Desc: descending. Default value: Asc.
PageNum	Integer	No	1	The page number. Default value: 1
PageSize	Integer	No	10	The page size. Range: [5 , 30] Default value: 10.

Return parameters

Parameters	Type	Example values	Description
RecordIndexInfoList			Recording configuration list.
└RecordUrl	String	http://xxx.xxx/atestObject.m3u8	Index file address.
└DomainName	String	test.com	The CDN domain name, which the stream belongs to.
└AppName	String	test123	Name of the app, which the stream belongs to.
└StreamName	String	test123	Name of the live stream.
└StartTime	String	2015-12-01T17:36:00Z	Start time. Format: 2015-12-01T17:36:00Z
└EndTime	String	2015-12-01T17:36:00Z	End time. Format: 2015-12-01T17:36:00Z.
└Duration	Float	588.849	Recording duration.
└Height	Integer	480	Video height.

└Width	Integer	640	Video width.
└CreateTime	String	2016-05-27T09:40:56Z	Creation time.
└RecordId	String	c4d7f0a4-b506-43f9-8de3-07732c3f3d82	Index file ID.
└OssBucket	String	test123	Name of the bucket in OSS.
└OssEndpoint	String	oss-cn-shanghai.aliyuncs.com	OSS endpoint.
└OssObject	String	test123	OSSObject.
PageNum	Integer	10	The page number.
PageSize	Integer	5	The page size.
Order	String	asc	Sort.
TotalPage	Integer	20	The total number of pages.
TotalNum	Integer	12	The total number of eligible items.
RequestId	String	DE24625C-7C0F-4020-8448-9C31A50C1556	The request ID.

Example

Request example

```
https://live.aliyuncs.com/?Action=DescribeLiveStreamRecordIndexFiles&DomainName=live.aliyunlive.com&AppName=aliyuntest&StreamName=xxx&StartTime=xxx&EndTime=xxx&<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RecordIndexInfoList":{
"RecordIndexInfo":[{
"AppName":"xxx",
"CreateTime":"2016-05-27T09:40:56Z",
"DomainName":"xxx",
"Duration":588.849,
"EndTime":"2016-05-25T05:47:11Z",
"Height":480,
"OssBucket":"bucket",
"OssEndpoint":"oss-cn-hangzhou.aliyuncs.com",
"OssObject":"atestObject.m3u8",
"RecordId":"c4d7f0a4-b506-43f9-8de3-07732c3f3d82",
"RecordUrl":"http://xxx.xxx/atestObject.m3u8",
"StartTime":"2016-05-25T05:37:11Z",
"StreamName":"xxx",
"Width":640
}]
},
"RequestId":"DE24625C-7C0F-4020-8448-9C31A50C1556"
}
```


Exception return example

JSON format


```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```


Error code

For more information about error code of this product, see Error code.

AddLiveRecordNotifyConfig

Description

Add a domain name-level record callback configuration.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	AddLiveRecordNotifyConfig	The name of this interface. Value: AddLiveRecordNotifyConfig
DomainName	String	Yes	www.yourdomain.com	Your CDN domain name.
NotifyUrl	String	Yes	http://www.yourdomain.cn/examplecallback.action	Callback URL address. - Must start with http:// or https://. - Needs to be URL encoded.
NeedStatusNotify	Boolean	No	false	Whether the reocording task status needs to be callback, possible value is true/false. Default value: false

Return parameters

Parameters	Type	Example values	Description
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=AddLiveRecordNotifyConfig&DomainName=test101.cdnpe.com&NotifyUrl=http://xxx<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

DeleteLiveRecordNotifyConfig

Description

Delete a domain name-level record callback configuration.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DeleteLiveRecordNotifyConfig	The name of this interface. Value: DeleteLiveRecordNotifyConfig
DomainName	String	Yes	www.yourdomain.com	Your CDN domain name.

Return parameters

Parameter	Type	Example values	Description
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=DeleteLiveRecordNotifyConfig&DomainName=test101.cdnpe.com<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

DescribeLiveRecordNotifyConfig

Description

Describe domain name-level record callback configuration.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveRecordNotifyConfig	The name of this interface. Value: DescribeLiveRecordNotifyConfig
DomainName	String	Yes	www.yourdomain.com	Your CDN domain name.

Return parameters

Parameters	Type	Example values	Description

RequestId	String	5056369B-D337-499E-B8B7-B761BD37B08A	The ID of the job request.
LiveRecordNotifyConfig			Domain name record callback configuration.
└DomainName	String	test.com	The CDN domain name, which the stream belongs to.
└NotifyUrl	String	http://www.yourdomain.cn/examplecallback.action	Recording callback address.
└NeedStatusNotify	Boolean	false	Whether recording task status callback is necessary.

Example

Request example

```
https://live.aliyuncs.com/?Action=DescribeLiveDomainRecordCallback&DomainName=xxxxx<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"LiveRecordNotifyConfig":{
"DomainName":"xxxx",
"NeedStatusNotify":false,
"NotifyUrl":"http://xxx"
},
"RequestId":"5056369B-D337-499E-B8B7-B761BD37B08A"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

UpdateLiveRecordNotifyConfig

Description

Update domain name-level record callback configuration.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	UpdateLiveRecordNotifyConfig	The name of this interface. Value: UpdateLiveRecordNotifyConfig
DomainName	String	Yes	test.com	Your CDN domain name.
NeedStatusNotify	Boolean	No	false	Whether recording task status callback is needed, the possible value is True/false. Default value: false
NotifyUrl	String	No	http://www.yourdomain.cn/examplecallback.action	Callback URL address. - Must

				start with http:// or https://. - Must be URL encoded.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=UpdateLiveRecordNotifyConfig&DomainName=test101.cdnpe.com&NotifyUrl=http://xxx<Public Request Parameter>
```

For more infomation, see Public Request Parameter.

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

Callbackformat

Example of the file generation event callback

It means that the targeted recording file is generated.

```
{
"domain": "qt01.alivecdn.com",
"app": "mp4flvtest_flv",
"stream": "callback_test",
"uri": "mp4flvtest_flv/callback_test/0_2017-03-08-23:09:46_2017-03-08-23:10:40.flv",
"duration": 69.403,
"start_time": 1488985786,
"stop_time": 1488985840
}
```

Specifically, the domain, app, and stream are the domain name for recording, application name and stream name respectively. The uri is the route of the targeted recording file under the user’s recording OSS Bucket. The duration, start_time and stop_time represent the duration as well as start time and end time of the target recording file.

Example of recording status callback, generated when NeedStatusNotify=true

Callback of the recording initiating event, which means that the recording begins

successfully.

```
{
"domain": "gs_domain",
"app": "gs_app",
"stream": "gs_stream",
"event": "record_started"
}
```

Specifically, the domain, app and stream are the domain name for recording, the application name and stream name respectively. The event is the event name and it can be record_started/record_paused/record_resumed.

Callback of recording pause event, which means that the recording is paused successfully.

```
{
"domain": "gs_domain",
"app": "gs_app",
"stream": "gs_stream",
"event": "record_paused"
}
```

Callback of recording resumption event, which means that the recording is resumed successfully.

```
{
"domain": "gs_domain",
"app": "gs_app",
"stream": "gs_stream",
"event": "record_resumed"
}
```

Screenshot

AddLiveAppSnapshotConfig

Description

Configure snapshot information targeting the AppName in the live stream. The output content is stored in OSS. The configuration is effective when the stream is pushed again.

Request parameters

Parameter	Type	Required	Example values	Description
Action	String	Yes	AddLiveAppSnapshotConfig	The name of this interface. Value: AddLiveAppSnapshotConfig
AppName	String	Yes	testApp	Name of the app , which the live stream belongs to. Supports wildcard (*), indicating all the AppNames under the domain name.
DomainName	String	Yes	www.yourdomain.com	Your CDN domain name.
OssBucket	String	Yes	test123	Name of the bucket stored in OSS.
OssEndpoint	String	Yes	oss-cn-shanghai.aliyuncs.com	OSS endpoint domain name.
TimeInterval	Integer	Yes	5	Snapshot cycle. Range: [5,3600] Unit: seconds.
OverwriteOssObject	String	No	{AppName}/{StreamName}.jpg	The storage file name in OSS. After every snapshot you take, the file is overwritten. - Smaller than 256 bytes.

				- Currently only supports generating JPG images. - Supports variable matching, including {AppName} and {StreamName}. For example: {AppName}/{StreamName}.jpg.
SequenceOssObject	String	No	snapshot/{AppName}/{StreamName}/{UnixTimestamp}.jpg	The storage file name in OSS. This file adopts incremental storage for every snapshot taking. You can query the files within a period of time using the DescribeLiveStreamSnapshotInfo interface.

				- Smaller than 256 bytes. - Currently only supports generating JPG images. - Supports variable matching, including {AppName}, {StreamName}, {UnixTimestamp}, and {Sequence}. Among them, you must provide either {UnixTi

				mestamp} or {Sequence}. For example: snapshot/{AppName}/{StreamName}/{UnixTimestamp}.jpg.

Return parameters

Parameter	Type	Example values	Description
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=AddLiveAppSnapshotConfig&DomainName=test101.aliyunlive.com&AppName=xxx&TimeInterval=10&OssEndpoint=endpoint&OssBucket=bucket&OverwriteOssObject=object&SequenceOssObject=object<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

DeleteLiveAppSnapshotConfig

Description

Delete screenshot configuration in the live stream. The configuration is effective when the stream is pushed again.

Request parameters

Parameters	Type	Required or not	Example values	Description
Action	String	Yes	DeleteLiveAppSnapshotConfig	The name of this interface. Value: DeleteLiveAppSnapshotConfig
AppName	String	Yes	testApp	Name of the app, which the live stream belongs to.

DomainName	String	Yes	www.yourdomain.com	Your CDN domain name.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the job request

Example

Request example

```
https://live.aliyuncs.com/?Action=DeleteLiveAppSnapshotConfig&DomainName=test101.aliyunlive.com&AppName=xxx&StreamName=xxx<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

DescribeLiveSnapshotConfig

Description

Query screenshot configuration of the domain name.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveSnapshotConfig	The name of this interface. Value: DescribeLiveSnapshotConfig
DomainName	String	Yes	www.yourdomain.com	Your CDN domain name.
AppName	String	No	testApp	Name of the app, which the live stream belongs to. The * indicates the configuration targeting the domain name. If this parameter is not passed, it indicates querying all the configuration under the domain name.
Order	String	No	asc	Sort. - asc: ascend

				ing. - desc: descending. Default value: Asc
PageNum	Integer	No	1	The page number. Default value: 1
PageSize	Integer	No	10	The page size. Range: [5,30] Default value: 10

Return Parameters

Parameters	Type	Example values	Description
RequestId	String	A3136B58-5876-4168-83CA-B562781981A0	The ID of the job request.
LiveStreamSnapshotConfigList			Screenshot configuration.
└DomainName	String	xxx	Your CDN domain name.
└AppName	String	xxx	Name of the app, which the live stream belongs to.
└TimeInterval	Integer	10	Screenshot cycle.
└CreateTime	String	2016-05-20T01:33:38Z	Creation time.
└OssEndpoint	String	oss-cn-shanghai.aliyuncs.com	OSS endpoint domain name.
└OssBucket	String	test123	Name of the bucket in OSS.
└OverwriteOssObject	String	test123	OSS Name of the file stored in OSS.
└SequenceOssObject	String	test123	Name of the file stored in OSS.

PageNum	Integer	2	The page number.
PageSize	Integer	11	The page size.
Order	String	asc	Sort.
TotalPage	Integer	10	The total number of pages.
TotalNum	Integer	6	The total number of eligible items.

Example

Request exmple

```
https://live.aliyuncs.com/?Action=DescribeLiveSnapshotConfig&DomainName=xxxxx&AppName=xxx&StreamName=xxx<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"LiveStreamSnapshotConfigList":{
"LiveStreamSnapshotConfig":[{
"AppName":"xxx",
"CreateTime":"2016-05-20T01:33:38Z",
"DomainName":"xxx",
"OssBucket":"bucket",
"OssEndpoint":"endpoint",
"OverwriteOssObject":"object",
"SequenceOssObject":"object",
"TimeInterval":10
}]
},
"Order":"asc",
"PageNum":1,
"PageSize":10,
"RequestId":"A3136B58-5876-4168-83CA-B562781981A0",
"TotalNum":100,
"TotalPage":10
```

```
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

UpdateLiveAppSnapshotConfig

Description

Update the snapshot configuration in the live stream. The output content is stored in OSS. The configuration is effective when the stream is pushed again.

Request parameters

Parameters	Type	Required or not	Example values	Description
Action	String	Yes	UpdateLiveAppSnapshotConfig	The name of this interface. Value: UpdateLiveAppSnapshotConfig
AppName	String	Yes	test123	Name of the app, which the live stream belongs to. The * symbol is supported,

				indicating all the AppNames under the domain name.
DomainName	String	Yes	test.com	Your CDN domain name.
OssBucket	String	No	test123	Name of the bucket in OSS.
OssEndpoint	String	No	oss-cn-shanghai.aliyuncs.com	OSS endpoint domain name.
OverwriteOssObject	String	No	{AppName}/{StreamName}.jpg	The storage file name in OSS. This file is overwritten at every snapshot. - Smaller than 256 bytes. - Currently only supports generating JPG images. - Supports variable matching, including {AppName} and {StreamNam

				e}. For example: {AppName}/{StreamName}.jpg. - If - is passed in, it indicates deleting this field.
SequenceOssObject	String	No	snapshot/{AppName}/{StreamName}/{UnixTimestamp}.jpg	The storage file name in OSS. This file adopts incremental storage for every snapshot. You can query the files within a period of time using the DescribeLiveStreamSnapshotInfo interface. - Smaller than 256 bytes. - Currently nly supports generating JPG images. - Supports

				variable matching, including {AppName}, {StreamName}, {UnixTimestamp}, and {Sequence}. Among them, you must provide one of {UnixTimestamp} and {Sequence}. For example: snapshot/{AppName}/{StreamName}/{UnixTimestam

				p}.jpg. - If - is passed in, it indicates deleting this field.
TimeInterval	Integer	No	5	Snapshot cycle. - Range: [5,3600] - Unit: seconds.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the job request

Example

Request example

```
/?AppName=test123&DomainName=test.com
&AccessKeyId=XxlctR6mMqO6mhXxX&Action=UpdateLiveAppSnapshotConfig
&OssBucket=test123&OssEndpoint=oss-cn-
shanghai.aliyuncs.com&OverwriteOssObject={AppName}/{StreamName}.jpg&SequenceOssObject=snapshot/{App
Name}/{StreamName}/{UnixTimestamp}.jpg&TimeInterval=5&<Public Request Parameter>
```

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

DescribeLiveStreamSnapshotInfo

Description

Query the snapshot content within a speficied period of time.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveStreamSnapshotInfo	The name of this interface. Value: DescribeLiveStreamSnapshotInfo
AppName	String	Yes	testApp	Name of the app, which the live stream belongs to.

DomainName	String	Yes	www.yourdomain.com	Your CDN domain name.
EndTime	String	Yes	2017-12-22T08:00:00:00Z	EndTime. - Format: 2015-12-01T17:36:00Z. - The time interval between the EndTime and StartTime does not exceed 1 day.
StartTime	String	Yes	2017-12-21T08:00:00:00Z	StartTime. Format: 2015-12-01T17:36:00Z.
StreamName	String	Yes	testStream	The name of the live stream.
Limit	Integer	No	10	The number gotten in a callback. Range: [1,100] Default value: 10

Return parameters

Parameters	Type	Example values	Description

RequestId	String	62136AE6-7793-45ED-B14A-60D19A9486D3	The ID of the job request.
LiveStreamSnapshotInfoList			The list of scnapshot content. Without the list, an empty array is returned.
└CreateTime	String	2015-12-01T17:36:00Z	Scnapshot creation time. Format: 2015-12-01T17:36:00Z.
└OssEndpoint	String	oss-cn-shanghai.aliyuncs.com	OSS endpoint domain name.
└OssBucket	String	test123	Name of the bucket in OSS.
└OssObject	String	test123	Name of the file stored in OSS.
NextStartTime	String	2015-12-01T17:36:00Z	The next start time. When the content in the time range exceeds the limit, the parameter NextStartTime is returned. It indicates the creation time of the next file and can be regarded as a StartTime. Call again this interface, the next content is gotten. If this parameter is not passed, it indicates the content does not exceed limit.

Example

Request example

```
https://live.aliyuncs.com/?Action=DescribeLiveStreamSnapshotInfo&DomainName=xxxxx&AppName=aliyuntest&StreamName=xxx&StartTime=xxx&EndTime=xxx&<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"LiveStreamSnapshotInfoList":{
"LiveStreamSnapshotInfo":[{
"CreateTime":"2016-05-25T09:41:09Z",
"OssBucket":"livevideo-test",
"OssEndpoint":"oss-test.aliyun-inc.com",
"OssObject":"{AppName}/{StreamName}.jpg"
}]
},
"NextStartTime":"2015-12-01T17:36:00Z",
"RequestId":"62136AE6-7793-45ED-B14A-60D19A9486D3"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

Live detection

AddLiveSnapshotDetectPornConfig

Description

Detection configuration interface can configure live stream detection based on the domain name and App level.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	AddLiveSnapshotDetectPornConfig	The name of this interface. Value: AddLiveSnapshotDetectPornConfig
AppName	String	Yes	testApp	App name. The*symbol is supported, indicating all the AppNames under the domain name.
DomainName	String	Yes	www.yourdomain.com	OSS domain name.
OssBucket	String	Yes	livebucket	Name of the bucket in OSS.
OssEndpoint	String	Yes	oss.aliyunlive.com	OSS domain name.
Interval	Integer	No	10	Sampling interval. Range: [5 , 3600] Units: seconds.
OssObject	String	No	record/{AppName}/{StreamName}/{Sequence}	Object template used to save illegal pictures involving politics and porn. If not given explicitly, the template is {AppName}/{StreamName}/{D

				ate}/{Hour}/{Minute}_{Second}.jpg.
Scene.N	RepeatList	No	live	Detection scenes, including 'porn', 'terrorism', 'ad', 'qrcode', 'live'. Default value: 'porn'.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=AddLiveSnapshotDetectPornConfig&DomainName=live.aliyunlive.com&AppName=xxx&OssEndpoint=oss-cn-hangzhou.aliyuncs.com&OssBucket=bucket&OssObject=record/{AppName}/{StreamName}/{Sequence}&PornThreshold=0.5&SuspectThreshold=0.05&Interval=30<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

AddLiveDetectNotifyConfig

Description

Add callback notification URL.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	AddLiveDetectNotifyConfig	The name of this interface. Values: AddLiveDetectNotifyConfig
DomainName	String	Yes	www.yourdomain.com	The user domain name.
NotifyUrl	String	Yes	http://www.yourdomain.cn/examplecallback.action	Notification function, which detects illegal content involving porn and political affairs.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=AddLiveDetectNotifyConfig&DomainName=live.aliyunlive.com&NotifyUrl=xxx<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

DescribeLiveSnapshotDetectPornConfig

Description

Query detection configuration.

Request parameter

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveSnapshotDetectPornConfig	The name of this interface. Value: DescribeLiveSnapshotDetectPornConfig
DomainName	String	Yes	www.yourdomain.com	The user domain name.
AppName	String	No	testApp	The app name. If not provided, it indicates all the app names under the domain name.
Order	String	No	asc	Sort. - Asc: ascending. - Desc: descending. Default value: Asc
PageNum	Integer	No	1	The page number. Default value: 1
PageSize	Integer	No	10	The page size. Range: [5,30]

				Default value: 10

Return parameter

Parameters	Type	Example values	Description
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the job request.
LiveSnapshotDetectPornConfigList			Detection configuration occurs only when the parameter is returned correctly.
└DomainName	String	live.aliyunlive.com	The user domain name.
└AppName	String	xxx02	The app name.
└Interval	Integer	80	Sampling interval.
└OssEndpoint	String	oss-cn-shanghai.aliyuncs.com	The name of OSS endpoint.
└OssBucket	String	test123	Name of the bucket in OSS.
└OssObject	String	{AppName}/{StreamName}/{Date}/{Hour}/{Minute}_{Second}.jpg	The name of OSS Object.
└Scenes	String	porn	Detection scenes, including ‘porn’, ‘terrorism’, ‘ad’, ‘live’. Default value: ‘porn’
PageNum	Integer	1	The page number.
PageSize	Integer	2	The page size.
Order	String	desc	Sort.
TotalPage	Integer	11	The total number of pages.

TotalNum	Integer	6	The total number of eligible items.

Example

Request example

```
https://live.aliyuncs.com/?Action=DescribeLiveSnapshotDetectPornConfig&DomainName=live.aliyunlive.com&AppName=xxx<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"LiveSnapshotDetectPornConfigList":{
"LiveSnapshotDetectPornConfig":[
{
"AppName":"xxx01",
"DomainName":"live.aliyunlive.com",
"Interval":80,
"OssBucket":"bucket",
"OssEndpoint":"oss-cn-hangzhou.aliyuncs.com",
"OssObject":"{AppName}/{StreamName}/{Date}/{Hour}/{Minute}_{Second}.jpg"
},
{
"AppName":"xxx02",
"DomainName":"live.aliyunlive.com",
"Interval":80,
"OssBucket":"bucket",
"OssEndpoint":"oss-cn-hangzhou.aliyuncs.com",
"OssObject":"{AppName}/{StreamName}/{Date}/{Hour}/{Minute}_{Second}.jpg"
}
]
},
"Order":"desc",
"PageNum":1,
"PageSize":2,
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8",
"TotalNum":11,
"TotalSize":6
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

DescribeLiveDetectNotifyConfig

Description

Query callback notification URL.

Request parameter

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveDetectNotifyConfig	The name of this interface. Value: DescribeLiveDetectNotifyConfig

Return parameter

Parameters	Type	Example values	Description
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the job request.

LiveDetectNotifyConfig			The notification configuration occurs only when the parameter is returned correctly.
└DomainName	String	live.aliyunlive.com	The user domain name.
└NotifyUrl	String	http://callback.com	Notification URL.

Example

Request example

```
https://live.aliyuncs.com/?Action=DescribeLiveDetectNotifyConfig&DomainName=live.aliyunlive.com<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"LiveDetectNotifyConfig":{
"DomainName":"live.aliyunlive.com",
"NotifyUrl":"http://callback.com"
},
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
```

```
}
```

Error code

For more information about error code of this product, see Error code.

UpdateLiveSnapshotDetectPornConfig

Description

Update detection configuration interface.

Request parameter

Parameters	Type	Required	Example values	Description
Action	String	Yes	UpdateLiveSnapshotDetectPornConfig	The name of this interface. Value: UpdateLiveSnapshotDetectPornConfig
AppName	String	Yes	testApp	The app name. The*symbol is supported, indicating all the AppNames under the domain name.
DomainName	String	Yes	www.yourdomain.com	The user domain name.
Interval	Integer	No	5	Sampling interval. Range: 5-3600s
OssBucket	String	No	test123	Name of the bucket in OSS.
OssEndpoint	String	No	oss-cn-shanghai.aliyuncs.com	The OSS domain name.

OssObject	String	No	{AppName}/{StreamName}/{Date}/{Hour}/{Minute}*{Second}.jpg*	Object template used to save illegal pictures involving politics and porn. If not given explicitly, the template is {AppName}/{StreamName}/{Date}/{Hour}/{Minute}{Second}.jpg.
Scene.N	RepeatList	No	porn	Detection scenes, including 'porn', 'terrorism', 'ad', 'qrcode', 'live'. Default value: 'porn'

Return parameter

Parameters	Type	Example values	Description
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=UpdateLiveSnapshotDetectPornConfig&DomainName=live.aliyunlive.com&AppName=xxx&Interval=30<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

UpdateLiveDetectNotifyConfig

Description

Update notification URL.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	UpdateLiveDetectNotifyConfig	The name of this interface. Value: UpdateLiveDetectNotifyConfig
DomainName	String	Yes	www.yourdomain.com	The user domain name.

NotifyUrl	String	Yes	http://www.yourdomain.cn/examplecallback.action	Notification URL, which detects illegal content involving porn.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=UpdateLiveDetectNotifyConfig&DomainName=live.aliyunlive.com&NotifyUrl=xxx
<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
```

```
}
```

Error code

For more information about error code of this product, see Error code.

DeleteLiveSnapshotDetectPornConfig

Description

Delete the detection configuration interface.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DeleteLiveSnapshotDetectPornConfig	The name of this parameter. Value: DeleteLiveSnapshotDetectPornConfig
AppName	String	Yes	testApp	The app name. The*symbol is supported, indicating all the AppNames under the domain name.
DomainName	String	Yes	www.yourdomain.com	The user domain name.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=DeleteLiveSnapshotDetectPornConfig&DomainName=live.aliyunlive.com&AppName=xxx<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

DeleteLiveDetectNotifyConfig

Description

Delete notification URL.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DeleteLiveDetectNotifyConfig	The name of this interface. Value: ADeleteLiveDetectNotifyConfig
DomainName	String	Yes	www.yourdomain.com	The user domain name.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=DeleteLiveDetectNotifyConfig&DomainName=live.aliyunlive.com<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

```
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

Resource monitoring

DescribeLiveDomainBpsData

Description

Obtain the network bandwidth data of a live domain name. Unit：bit/second.

> When StartTime and EndTime are not specified, the system reads data from the past 24 hours by default. Query by specified start time and end time is also supported. The two parameters must be both specified.
>
> Batch domain name query is supported. Domain names are separated by commas (half width).
>
> Data from the past 90 days can be obtained at most.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveDomainBpsData	The name of this interface. Value: DescribeLiveDomainBpsData.
DomainName	String	No	test.com	The live domain name to be queried. - If the parameter is left blank, the system returns the combined data of all the live domain names by default. - Batch domain names query is supported. - Domain names are

				seperated by comm as (,) (half width).
StartTime	String	No	2017-12-10T20:00:00Z	Starttime of data query. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mm:ssZ. - The minimum granularity is 5 minutes. - The maximum granularity is 1 day. - Data

				within 45 days can be viewed.
EndTime	String	No	2017-12-10T21:00:00Z	Endtime of data query, required to be later than Starttime. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mm:ssZ. - The minimum granularity is 5 minutes. - The maximum granularity is

				1 day. - Data within 45 days can be viewed.

Return parameters

Parameters	Type	Example values	Description
DomainName	String	test.com	Live domain name.
DataInterval	String	300	Time granularity for data query.
RequestId	String	B955107D-E658-4E77-B913-E0AC3D31693E	Request ID.
BpsDataPerInterval			Network bandwidth data in each time interval.
└TimeStamp	String	2017-12-10T20:00:05Z	Start time of a time slice.
└BpsValue	String	11288111	Bandwidth value. Unit: bit/second (bps)
└HttpBpsValue	String	11286111	HTTP bandwidth value. Unit: bit/second (bps)
└HttpsBpsValue	String	2000	HTTPS bandwidth value. Unit: bit/second (bps)
StartTime	String	2017-12-10T20:00:00Z	Start time.
EndTime	String	2017-12-10T21:00:00Z	End time.

Example

Request example

```
http://live.aliyuncs.com?Action=DescribeLiveDomainBpsData&DomainName=test.com
&StartTime=2017-12-10T20:00:00Z
&EndTime=2017-12-10T21:00:00Z
&<Public request parameter>
```

Normal return example

JSON format


```
{
"BpsDataPerInterval":{
"DataModule":[
{
"BpsValue":"11288111",
"HttpBpsValue":"11286111",
"HttpsBpsValue":"2000",
"TimeStamp":"2017-12-10T20:00:00Z"
},
{
"BpsValue":"1288111",
"HttpBpsValue":"1286111",
"HttpsBpsValue":"2000",
"TimeStamp":"2017-12-10T20:05:00Z"
}
]
},
"DataInterval":"300",
"DomainName":"test.com",
"EndTime":"2017-12-10T21:00:00Z",
"RequestId":"3C6CCEC4-6B88-4D4A-93E4-D47B3D92CF8F",
"StartTime":"2017-12-10T20:00:00Z"
}
```


Exception return example

JSON format


```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
```

"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}

Error code

For more information about error code of this product, see Error code.

DescribeLiveDomainRecordData

Description

Obtain the data of live domain name recording duration.

Support query of the daily recording duration data of a single domain name in a specified time range.

Daily recording duration data includes the total duration of the current day and duration data list based on different recording formats.

Support query of data starting from January 1, 2018. The maximum interval between Starttime and Endtime is 90 days.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveDomainRecordData	The name of this interface. Value: DescribeLiveDomainRecordData
DomainName	String	Yes	www.livetest.com	The live domain name to be queried.
StartTime	String	Yes	2018-01-01T00:00:00Z	Start time of data query. - The

				date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mm:ssZ. - Support query of data starting from January 1, 2018, that is, StartTime≥2018-01-01T00:00:00Z.
EndTime	String	Yes	2018-01-02T00:00:00Z	End time of data query. - Must be later than the Endtim

				e. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mm:ssZ.
RecordType	String	No	MP4	Recording type. Currently support TS, MP4 and FLV. If the parameter is left blank, the system queries all the types.

Return parameters

Parameters	Type	Example values	Description
RecordDataInfos			Daily statistics of the live recording duration.
└Date	String	20180202	Date, accurate to day.
└Total	Integer	4710	Total recording duration of a single day. Unit: seconds
└Detail			Recording duration

			information based on different recording formats.
└FLV	Integer	100	Recording duration in FLV format. Unit: seconds
└MP4	Integer	230	Recording duration in MP4 format. Unit: seconds
└TS	Integer	456	Recording duration in TS format. Unit: seconds
RequestId	String	B955107D-E658-4E77-B913-E0AC3D31693F	Request ID.

Example

Request example

```
/?Action=DescribeLiveDomainRecordData
&DomainName=www.livetest.com
&EndTime=2018-01-01T00:00:00Z
&StartTime=2018-01-02T00:00:00Z
&RecordType=MP4
&<public request parameters>
```

Normal return example

JSON format


```
{
"RecordDataInfos":{
"RecordDataInfo":[
{
"Date":"20180101",
"Detail":{
"TS":86310
},
"Total":86310
},
{
"Date":"20180102",
```

```
"Detail":{
"TS":86310
},
"Total":86310
}
]
},
"RequestId":"0B250400-6260-4CBC-85BF-FB0ED3753690"
}
```


Exception return example

JSON format


```
{
"Code":"InvalidEndTime.BeyondCurrent",
"HostId":"live.aliyuncs.com",
"Message":"EndTime beyond current time.",
"RequestId":"D561201C-1192-4BCB-BDA9-AD16AA62F6FD"
}
```


Error code

For more information about error code of this product, see Error code.

DescribeLiveDomainSnapshotData

Description

Obtain the number of screenshot data of a live domain name.

Support query of the daily screenshot number of a single domain name in a specified time range.

Support query of data starting from January 1, 2018. The maximum interval between Starttime and Endtime is 90 days.

Request parameters

Parameters	Type	Required	Example Values	Description

Action	String	Yes	DescribeLiveDomainSnapshotData	The name of this interface name. Value: DescribeLiveDomainSnapshotData
DomainName	String	Yes	www.livetest.com	The live domain name to be queried.
StartTime	String	Yes	2018-01-01T00:00:00Z	Start time of data query. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mm:ssZ. - Support query of data starting from January 1, 2018, that is, StartTime≥2018-01-01T00:

				00:00Z.
EndTime	String	Yes	2018-01-02T00:00:00Z	End time of data query. - EndTime must be later than Starttime. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mm:ssZ.

Return parameters

Parameters	Type	Example Values	Description
SnapshotDataInfos			Daily statistics of the number of live screenshots.
└Date	String	20180209	Date, accurate to date.

└Total	Integer	110	Total number of screenshots on a single day.
RequestId	String	B955107D-E658-4E77-B913-E0AC3D31693F	Request ID.

Example

Request example

```
/?Action=DescribeLiveDomainSnapshotData
&DomainName=www.livetest.com
&EndTime=2018-02-09T00:00:00Z
&StartTime=2018-02-10T00:00:00Z
&<Public request parameter>
```

Normal return example

JSON format

```
{
"RequestId":"0B250400-6260-4CBC-85BF-FB0ED3753690",
"SnapshotDataInfos":{
"SnapshotDataInfo":[
{
"Date":"20180209",
"Total":110
},
{
"Date":"20180210",
"Total":310
}
]
}
}
```

Exception return example

JSON format

```
{
"Code":"InvalidEndTime.BeyondCurrent",
```

"HostId":"live.aliyuncs.com",
"Message":"EndTime beyond current time.",
"RequestId":"D561201C-1192-4BCB-BDA9-AD16AA62F6FD"
}

Error code

For more information about error code of this product, see Error code.

DescribeLiveDomainTrafficData

Description

Obtain the network traffic data of a live domain name. Unit: byte.

> When StartTime and EndTime are not specified, the system reads data from the past 24 hours by default. Query by specified start time and end time is also supported. The two parameters must be both specified.
>
> Batch domain name query is supported. Domain names are separated by commas (half width).
>
> Data from the past 90 days can be obtained at most.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveDomainTrafficData	The name of this interface. Value: DescribeLiveDomainTrafficData
DomainName	String	No	test.com	The live domain name to be queried. - If the parameter is

				left blank, the system returns the combined data of all the live domain names by default. - Batch domain names query is supported. - Domain names are seperated by commas (,) (half width).
StartTime	String	No	2017-12-10T20:00:00Z	Starttime of data query. - The date format adopts

				ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mm:ssZ. - The minimum granularity is 5 minutes. - The maximum granularity is 1 day. - Data within 45 days can be viewed.
EndTime	String	No	2017-12-10T21:00:00Z	Endtime of data query, required to be later than Starttime. - The date

				format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mm:ssZ. - The minimum granularity is 5 minutes. - The maximum granularity is 1 day. - Data within 45 days can be viewed.

Return parameters

Parameters	Type	Example value	Description
DomainName	String	test.com	Live domain name.

DataInterval	String	300	Time granularity for data query.
TrafficDataPerInterval			Traffic data in each time interval.
└TimeStamp	String	2017-12-10T20:00:05Z	Start time of a time slice.
└TrafficValue	String	454680793	Total traffic.
└HttpTrafficValue	String	0	HTTP traffic.
└HttpsTrafficValue	String	454680793	HTTPS traffic.
RequestId	String	B955107D-E658-4E77-B913-E0AC3D31693E	Request ID.
StartTime	String	2017-12-10T20:00:00Z	Start time.
EndTime	String	2017-12-10T21:00:00Z	End time.

Example

Request example

```
http://live.aliyuncs.com?Action=DescribeLiveDomainTrafficData&DomainName=test.com
&StartTime=2017-12-10T20:00:00Z
&EndTime=2017-12-10T21:00:00Z
&<Public request parameter>
```

Normal return example

JSON format

```
{
"DataInterval":"300",
"DomainName":"test.com",
"EndTime":"2017-12-10T21:00:00Z",
"RequestId":"B955107D-E658-4E77-B913-E0AC3D31693E",
"StartTime":"2017-12-10T20:00:00Z",
"TrafficDataPerInterval":{
"DataModule":[
{
```

```
"HttpTrafficValue":"0",
"HttpsTrafficValue":"423304182",
"TimeStamp":"2017-12-10T20:00:00Z",
"TrafficValue":"423304182"
},
{
"HttpTrafficValue":"0",
"HttpsTrafficValue":"454680793",
"TimeStamp":"2017-12-10T20:00:05Z",
"TrafficValue":"454680793"
}
]
}
}
```


Exception return example

JSON format


```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```


Error code

For more information about error code of this product, see Error code.

DescribeLiveDomainTranscodeData

Description

Obtain the duration of transcoding data of a live domain name.

Support data query of daily transcoding duration for a single live domain name in a specified time range.

Data of daily transcoding duration includes the total duration of transcoding data of the day

and duration data list according to transcoding format.

Support query of data starting from January 1, 2018. The maximum interval between Starttime and Endtime is 90 days.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveDomainTranscodeData	The name of this interface. Value: DescribeLiveDomainTranscodeData
DomainName	String	Yes	www.livetest.com	The live domain name to be queried.
StartTime	String	Yes	2018-01-01T00:00:00Z	Starttime of data query. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mm:ssZ. - Support query of data startin

				g from January 1, 2018, that is, StartTime≥2018-01-01T00:00:00Z.
EndTime	String	Yes	2018-01-02T01:00:00Z	Endtime of data query. - EndTime must be later than Starttime. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mm:ssZ.

Return parameters

Parameters	Type	Example values	Description
TranscodeDataInfos			Daily statistics of live transcoding duration.
└Date	String	20180202	Date, accurate to day.
└Total	Integer	4710	Total transcoding duration of a single day. Unit: seconds.
└Detail	String	{ “LD_CASTER” : 86315, “SD_CASTER” : 86315 }, “Date” : “20180212” , “Total” : 172630}	Transcoding duration information sorted by transcoding formats.
RequestId	String	B955107D-E658-4E77-B913-E0AC3D31693F	Request ID.

Example

Request example

```
/?Action=DescribeLiveDomainTranscodeData
&DomainName=www.livetest.com
&EndTime=2018-02-12T00:00:00Z
&StartTime=2018-02-15T00:00:00Z
&<Public request parameter>
```

Normal return example

JSON format

```
{
"RequestId":"BCB009C1-10B1-47F0-BD2F-936D5DD4F5FA",
"TranscodeDataInfos":{
"TranscodeDataInfo":[
{
"Date":"20180212",
```

```
"Detail":{
"LD_CASTER":86315,
"SD_CASTER":86315
},
"Total":172630
},
{
"Date":"20180213",
"Detail":{
"LD_CASTER":86315,
"SD_CASTER":86320
},
"Total":172635
},
{
"Date":"20180214",
"Detail":{
"LD_CASTER":86315,
"SD_CASTER":86315
},
"Total":172630
},
{
"Date":"20180215",
"Detail":{
"LD_CASTER":86315,
"SD_CASTER":86320
},
"Total":172635
}
]
}
}
```


Exception return example

JSON format


```
{
"Code":"InvalidEndTime.BeyondCurrent",
"HostId":"live.aliyuncs.com",
"Message":"EndTime beyond current time.",
"RequestId":"D561201C-1192-4BCB-BDA9-AD16AA62F6FD"
}
```


Error code

For more information about error code of this product, see Error code.

DescribeLiveStreamHistoryUserNum

Description

Query history user number of live streams.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	DescribeLiveStreamHistoryUserNum	The name of this interface. Value: DescribeLiveStreamHistoryUserNum
AppName	String	Yes	testApp	Name of the app, which the live stream belongs to.
DomainName	String	Yes	www.yourdomain.com	Your domain name.
EndTime	String	Yes	2017-12-22T08:00:00Z	End time. - UTC format. - The time interval between StartTime and EndTime is within 1 day, and

				EndTime does not exceed the current time.
StartTime	String	Yes	2017-12-21T08:00:00Z	Start time. - UTC format. - The time interval between StartTime and EndTime is within 1 day.
StreamName	String	Yes	testStream	Name of the live stream.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	40A4F36D-A7CC-473A-88E7-154F92242566	The ID of the job request.
LiveStreamUserNumInfos			History online user number information of live stream.
└UserNum	String	1	User number.

└StreamTime	String	2017-10-20T06:20:00Z	Stream time. - UTC format.

Example

Request example

```
https://live.aliyuncs.com?Action=DescribeLiveStreamHistoryUserNum&DomainName=live.aliyunlive.com&AppName=xxx&StartTime=2017-08-30T07:30:30Z&EndTime=2017-08-30T07:45:00Z&<Public Request Parameter>
```

Normal return example

JSON format

```
{
"LiveStreamUserNumInfos":{
"LiveStreamUserNumInfo":[
{
"StreamTime":"2017-10-20T06:20:00Z",
"UserNum":0
},
{
"StreamTime":"2017-10-20T06:19:00Z",
"UserNum":0
},
{
"StreamTime":"2017-10-20T06:18:00Z",
"UserNum":15
},
{
"StreamTime":"2017-10-20T06:17:00Z",
"UserNum":0
},
{
"StreamTime":"2017-10-20T06:16:00Z",
"UserNum":0
},
{
"StreamTime":"2017-10-20T06:15:00Z",
"UserNum":6
},
{
"StreamTime":"2017-10-20T06:14:00Z",
"UserNum":0
}
```

```
]
},
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F5FF8"
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.

DescribeLiveStreamOnlineUserNum

Description

Get the number of real-time online users of the live stream.

Request parameters

Parameters	Type	Required or not	Example values	Description
Action	String	Yes	DescribeLiveStreamOnlineUserNum	The name of this interface. Value: DescribeLiveStreamOnlineUserNum
DomainName	String	Yes	www.yourdomain.com	Your CDN domain name.
AppName	String	No	testApp	Name of the

				app, which the live stream belongs to.
HlsSwitch	String	No	true	hls switch.
StreamName	String	No	testStream	Name of the live stream.

Return parameters

Parameters	Type	Example values	Description
TotalUserNumber	Long	2	Total number of users of all the streams.
OnlineUserInfo			Number of users of each live stream.
└StreamUrl	String	rtmp://play.aliyunlive.com/AppName/StreamName	URL of the live stream.
└UserNumber	Long	2	Number of online users of the live stream.
└Time	String	2015-12-01T17:37:00Z	Statistic time. - UTC time, format: 2015-12-01T17:37:00Z.
RequestId	String	40A4F36D-A7CC-473A-88E7-154F92242566	The ID of the job request.

Example

Request example

```
https://live.aliyuncs.com/?Action=DescribeLiveStreamOnlineUserNum&DomainName=test101.cdnpe.com&<Public Request Parameter>
```

For more information, see Public Request Parameter.

Normal return example

JSON format

```
{
"OnlineUserInfo":{
"LiveStreamOnlineUserNumInfo":[
{
"StreamUrl":"rtmp://test101.cdnpe.com/live/test101",
"UserNumber":2
},
{
"StreamUrl":"rtmp://test101.cdnpe.com/live/test102",
"UserNumber":5
}
]
},
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8",
"TotalUserNumber":7
}
```

Exception return example

JSON format

```
{
"Code":"InternalError",
"HostId":"live.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"6EBD1AC4-C34D-4AE1-963E-B688A228BE31"
}
```

Error code

For more information about error code of this product, see Error code.