

StreamLive Console Guide Product Documentation





Copyright Notice

©2013-2024 Tencent Cloud. All rights reserved.

Copyright in this document is exclusively owned by Tencent Cloud. You must not reproduce, modify, copy or distribute in any way, in whole or in part, the contents of this document without Tencent Cloud's the prior written consent.

Trademark Notice

STencent Cloud

All trademarks associated with Tencent Cloud and its services are owned by Tencent Cloud Computing (Beijing) Company Limited and its affiliated companies. Trademarks of third parties referred to in this document are owned by their respective proprietors.

Service Statement

This document is intended to provide users with general information about Tencent Cloud's products and services only and does not form part of Tencent Cloud's terms and conditions. Tencent Cloud's products or services are subject to change. Specific products and services and the standards applicable to them are exclusively provided for in Tencent Cloud's applicable terms and conditions.

Contents

Console Guide

Input Management Channel Management Overview Creating a Channel Step 1. Set the Basic Channel Information Step 2. Add Inputs Step 3. Configure Inputs Step 4. Configure Output Groups Modifying and Deleting a Channel Exporting, Importing, Cloning a Channel Monitoring Channel Quality Watermark Management Plan Management

Console Guide Input Management

Last updated : 2024-02-22 09:30:30

Inputs are the source of streams for StreamLive channels. An input is usually associated with 1 security group and 1 StreamLive channel.

Prerequisites

You have activated StreamLive. You have logged in to the StreamLive console.

Input management

Select **Input Management** on the left sidebar. On this page, you can view the name, type, state and ID of created inputs. Each input is usually associated with one security group and one StreamLive channel. The state of an input that has been associated with a channel is **Attached**. Each input has two independent pipelines (A and B), which can push streams at the same time to ensure data availability.

StreamLive	Input Manag	ement 🔇 Mu	mbai 🔻			
Security Group Management	Create Input					
Input Management	Name \$	Туре Т	State T	ID	URL A	
⊠ Channel Management					1,010	
Watermark Management						
	•					
	Total items: 3					1

Creating an input

You can create PULL or PUSH inputs. On the **Input Management** page, click **Create Input** and complete the following settings in the pop-up window:

StreamLive	Input Management	🔇 Mumbai 🔻		
	Create Input	Create Input		×
	Name \$ Ty	Name *	Please enter the input name	
	RT	Туре *	Please select the input type	
	RT	Security Group *	Please select the security group	st
	RT	Media fil bucket is	les cannot be pulled from COS as you have not activated COS or no s created. <u>Click here to check in the COS console.</u>	
	4			
	Total items: 3		Confirm Cancel	

Name: The input name, which can be 1-32 characters long and can contain numbers, letters, and underscores (_). Type: The input type. Currently, RTMP_PUSH, RTP_PUSH, RTP-FEC_PUSH, UDP_PUSH, SRT_PUSH,RTMP_PULL, HLS_PULL, MP4_PULL, RTSP_PULL, and SRT_PULL are supported. Security Group: If you are creating a PUSH input, you must associate it with an input security group.

RTMP_PUSH

If the input type is RTMP_PUSH, you need to enter an application name and stream name for the destination.



SRT_PUSH

If the input type is SRT_PUSH, you can enter a stream ID for the destination (optional).

Create Input		×			
Name *	Please enter the input name				
Type *	SRT_PUSH •				
Security Group *	Please select the security group				
Destination A 🕐	Please enter the streamid				
Destination B 🕐	Please enter the streamid				
	Confirm Cancel				

PULL

If the input type is PULL, you need to enter an input address, which is used as the source of the PULL input.

Name 🕈	Туре Т	State ▼						
	RTP-FEC_PUSH							
	RTMP_PUSH							
	RTP_PUSH	Attache	Edit Input				×	
			Name *					
			Type *	RTP-FEC_PUSH		~		
			Security Group *	Please select the se	ecurity group	•		
				Confi	m Cancel			

Modifying an input

To modify an input, find it on the **Input Management** page and click **Edit** on the right. Modify its settings in the popup window and click **Confirm**.



Name ‡	Туре 🕇	State T	ID		URL A		URL B
	RTP-FEC_PUSH	Detached					
	RTMP_PUSH						
	RTP_PUSH						
		Pala	-				
		Dele	le			×	
		Sure	to delete the input?				
				Confirm	Cancel		

Deleting an input

To delete an input, find it on the **Input Management** page, click **Delete** on the right, and click **Confirm** in the pop-up window.

StreamLive	Input Manage	ement 🔇 Mu	mbai 🔻			
Security Group Management	Create Input	1				
Input Management	Name \$	Туре Т	State T	ID	URL A	
⊠ Channel Management						
Watermark Management						
	•					
	Total items: 3					1

Note:

You can create up to five inputs by default.

The source of an input must contain at least one video pipeline.

In case of MPEG-TS multiplexing, up to eight pipelines can transfer data simultaneously.

For 4K resolution inputs, when using standard transcoding or top speed codec transcoding, please be aware of the respective supported codec, color depth, frame rate, and bitrate for the inputs :

Transcoding Type	Codec	Color Depth	Frame Rate	Bitrate	
Standard Transcoding	H.264、H.265	8bit、10bit	<=60 fps		
Top Speed Codec Transcoding	H.264	8bit、10bit	<=60 fps	<=100Mbps	
	H.265	8bit	<=60 fps		
		10bit	<=30 fps		

Channel Management Overview

Last updated : 2022-08-19 16:34:42

The StreamLive service is managed at the channel level in the StreamLive console. You can set up high-quality video streams and distribute them to various types of devices. The channel management module is the main module of StreamLive, via which you can perform various video processing operations such as transcoding and remuxing and send the results to the specified destination or store them on COS.

Prerequisites

- You have activated StreamLive.
- You have logged in to the StreamLive console.

Channel Management

Select **Channel Management** on the left sidebar. On this page, you can view, create, start/stop, delete, export, or clone channels. This page also shows the status of created channels. "IDLE" means a channel has not been started, and "RUNNING" means a channel is started. To edit a channel that has been started, you need to stop it first.

Create Channel			Search by channel Name or ID	Q Ø
Name \$	State 🔻	ID	Operation	
	RUNNING		Edit Stop Delete Export Clone	
	RUNNING		Edit Stop Delete Export Clone	
	IDLE		Edit Start Delete Export Clone	

Creating a Channel Step 1. Set the Basic Channel Information

Last updated : 2023-09-14 17:50:10

Before creating a channel, make sure you have the following information:

- 1. The input. Make sure you have created an input to bind to the channel.
- 2. The output protocol and destination.
- 3. The audio and video encoding parameters for the output group.

Setting the basic channel information

1. Click Create Channel.

StreamLive	Channel Management	S Mumbai 🔻		
🖸 Channel	Create Channel			Search by channel Name or ID
⊡ Input	Name \$	State T	ID	Operation
Security Group		RUNNING		Edit Stop De
		IDLE		Edit Start De
		IDLE		Edit Start De

StreamLive	← Create channel	
Channel	1 General Setting	
🖭 Input		General info Create a channel that encodes your input into multiple groups and outputs.
Security Group	2 Input Setting	
Watermark	3 Output Group	Channel name Please enter the channel name.
	Setting	Regularly cleaned
		Import Configuration Next

2. Enter a channel name. The channel name can contain up to 32 characters. Letters, numbers, and underscores are allowed.

3. Enable/Disable **Regularly cleaned**. This is disabled by default. If you enable it, the events of a plan will be cleared automatically seven days after execution. You can ignore this if you don't use plans. For details, see Plan Management.

Step 2. Add Inputs

Last updated : 2023-09-14 17:51:24

Adding inputs

You can bind one or more inputs to a channel. The first input bound will be used as the default input, while others may be used for failover or by the plan.

From the drop-down list of **Add**, select an input that's not already bound to another channel. You can bind up to five inputs to each channel, including two PUSH inputs.



Creating a new input

From the drop-down list of Add, click the Create a new input.

StreamLive	← Create channe	I			
E Channel	General Setting	Neter			
🖭 Input		 If you add multiple inputs, the 	first input is used by default. Other inputs	s may be used in failover or when an eve	nt in the plan is triggered.
Security Group	2 Input Setting	You can add up to 5 inputs, in	Icluding 2 PUSH inputs. All the inputs mus	st have the same number of pipelines (1	or 2).
Watermark	3 Output Group Setting	Add			
		Q	Input Type	Pipeline	Bind Status
		rtmppushtest 2	RTMP_PUSH	2	-
		1	RTMP_PUSH	2	-
		2	Note: This callback configuration of	only takes effect for RTMP_PUSH inputs	
		Create a new input			
		Previous Next			

Create channe	el
General Setting	<
Input Setting	General info • Inputs are the source of streams for StreamLive channels. An input is usually associated with 1 security group and 1 StreamLive channel.
Output Group Setting	Input name • Please enter the input name
	Input type * ORTP_PUSH
	Push your source to fixed endpoints with the RTP protocol.
	RTMP_PUSH
	Push your source to fixed endpoints with the RTMP protocol.
	UDP_PUSH
	Push your source to fixed endpoints with the UDP protocol.
	RTP-FEC_PUSH
	Push your source to fixed endpoints with the RTP-FEC protocol.
	SRT_PUSH
	Push your source to fixed endpoints with the SRT protocol.
	RTMP_PULL
	Pull your source from external endpoints with the RTMP protocol.
	HLS_PULL
	Pull your source from external endpoints with the HTTP protocol.
	MP4 PULL
	Ingest file content from an MP4 file that is on the public internet.
	Pull your source from external endpoints with the RTSP protocol.
	SRT PULL
	Pull your source from external endpoints with the SRT protocol.

Name : The input name, which can be 1-32 characters long and can contain numbers, letters, and underscores (_).

Type: The input type. Currently, RTMP_PUSH, RTP_PUSH, RTP-FEC_PUSH, UDP_PUSH, SRT_PUSH,RTMP_PULL, HLS_PULL, MP4_PULL, RTSP_PULL, and SRT_PULL are supported.

Type : RTMP_PUSH

If the input type is RTMP_PUSH, you need to enter at least one **application name** and **stream Name** for the destination. You can configure two destinations to offer redundancy.

User Name	Please enter the user name					
Password	Please enter the password					
Delay Time						
Destination A 🕐 *	application name	stream name				
Destination B (?)	application name	stream name				

Furthermore, you can enter **User Name** and **Password** to support authentication, use **Delay Time** to support **Delayed Playback**.

Type : SRT_PUSH

If the input type is SRT_PUSH, you can enter stream ID for the destination (optional).

Destination A 🕐	Please enter the streamid
Destination B 🥑	Please enter the streamid

Configuring security group

If the input type is PUSH, it is necessary to bind an Input Security Group for security verification. The Security Group is a means to verify the legitimacy of the input address. By configuring the Security Group, the input of the StreamLive channel can be more secure. You can create a new Security Group, or choose from existing ones.



Input security group * Create an input security group to use with your PUSH input type.							
Create securi	ity group O Exist security group securitygroup1						
IP Allowlist 🕐 *	Please add one or more IPs(separated by comma or newline)to allowlist , such as '192.168.0.1/24' or '192.168.0.1/24,192.168.0.2/24'.						

Input security gr Create an input	roup * security group to use with your PUSH input type.
Create security	y group O Exist security group
Security Group *	Please select the security gro∟ ▼

If you want to create new security group, please enter name and ip allowlist:

1) **Name**: Security group name, which can be 1-32 characters long and can contain numbers, letters, and underscores (_).

2) **IP Allowlist**: IP addresses must be in CIDR format. Separate addresses with commas or line breaks. If you don't need to restrict the source IP, you can fill in 0.0.0.0/0.

Type : PULL

If the input type is PULL, you need to enter the input address, which is used as the source of the PULL input.

	Pull your source from external endpoints with the RTMP protocol.
	O HLS_PULL
	Pull your source from external endpoints with the HTTP protocol.
	MP4_PULL
	Ingest file content from an MP4 file that is on the public internet.
	RTSP_PULL
	Pull your source from external endpoints with the RTSP protocol.
	SRT_PULL
	Pull your source from external endpoints with the SRT protocol.
Input so	ource A *
Input so For pull	ource A * type inputs, you must specify the source URL and access credentials of the location that you wan
Input so For pull	purce A * type inputs, you must specify the source URL and access credentials of the location that you wan Please enter the input source url
Input so For pull URL *	purce A * type inputs, you must specify the source URL and access credentials of the location that you wan Please enter the input source url purce B
Input so For pull URL *	purce A * type inputs, you must specify the source URL and access credentials of the location that you wan Please enter the input source url purce B type inputs, you must specify the source URL and access credentials of the location that you wan
Input so For pull URL *	purce A * type inputs, you must specify the source URL and access credentials of the location that you wa Please enter the input source url purce B type inputs, you must specify the source URL and access credentials of the location that you wa Please enter the input source url

Step 3. Configure Inputs

Last updated : 2023-11-03 09:54:04

The input list shows the inputs bound. You can click **Setting** to configure an input.

StreamLive	÷	Create channel				
Channel		General Setting				
⊡ Input		ocheral octaing	Notes: • If you add multiple inputs, the first i	nnut is used by default. Other innuts may b	a used in failover or when an event in the n	lan is trionered
Security Group	2	Input Setting	You can add up to 5 inputs, including	ng 2 PUSH inputs. All the inputs must have	the same number of pipelines (1 or 2).	an o nggorou.
Watermark	3	Output Group				
	0	Setting	Add			
			Input Name	Input Type	Pipeline	Bind Status
			rtmppushtest	RTMP_PUSH	2	-
			rtmp_push	RTMP_PUSH	2	-
			Callback Configuration ⑦	Note: This callback configuration only tak	es effect for RTMP_PUSH inputs.	
			Input Loss Behavior 🔊			
			Previous Next			

Audio Selector

For RTP/UDP PUSH inputs, if MPEG-TS is used, there may be multiple audio tracks. You can specify the audio track to process and output by entering the **PID**. If you don't set this, an audio track will be selected randomly. The name of an audio selector must be unique across the channel.

🔉 Settings		
nput Settings		
put Name rtp_push_1		
udio Selector 🤊		
Name	PID	Operation
	1-8191	Delete
Add Audio Selector		

Note:

Make sure the PID you enter is the same as that of the source stream, or the audio selector will fail to work, and the system will randomly select an audio track to output.

If input failover is enabled, the audio selectors configured for the primary input will apply to the backup input as well.

Source End Behavior

You can set the **Source End Behavior** of a PULL input to tell StreamLive what to do after the input ends.

LOOP: Pulls the input again after it ends.

ONCE: Pulls the input only once.

🌣 Settings				
Input Settings				
Input Name hispuli				
Pull-Stream Settings				
Source End Behavior 🧿	LOOP		•	
		Q		
	LOOP		Confirm	Cancel
	ONCE			

Failover

To prevent interruption of service caused by input exceptions, you can enable failover for RTMP_PUSH/RTP_PUSH inputs. If the primary input is down, StreamLive will automatically switch to the backup input.

🌣 Settings						
Input Settings						
Input Name rtmppushte	st					
Failover Settings						
Input Failover 🕐						
Select Backup Input () *	rtmp_push	-	${oldsymbol{\oslash}}$			
Downtime Threshold 🧿	3000	m	ns			
Input Preference 🕐	CURRENT_PREFERRED	•				
		Confirm		Cancel		

Input Failover: Toggle this on if you want to enable failover for an input.

Select Backup Input: Select a backup input, whose type must be the same as the primary input.

Downtime Threshold: Set the wait time (milliseconds) for failover. If the primary input is down, StreamLive will switch to the backup input after the wait time elapses to ensure data availability. The default is 3,000 ms.

Input Preference: Set whether to switch back to the primary input after it recovers. **CURRENT_PREFERRED** (default): Continue to use the current input; **PRIMARY_PREFERRED**: Switch back to the primary input after it recovers.

Click **Confirm**. In the input list, you will see that the **Bind Status** of the primary input has changed to **Primary** and that of the backup input has changed to **Backup**.

General Setting	Notes:			
2 Input Setting	 If you add multiple inputs, the You can add up to 5 inputs, i 	e first input is used by default. Other inputs ncluding 2 PUSH inputs. All the inputs mus	may be used in failover or when an event in thave the same number of pipelines (1 or 2	n the plan is triggered. ?).
3 Output Group Setting	Add			
	Input Name	Input Type	Pipeline	Bind Stat
	rtmppushtest	RTMP_PUSH	2	Primary
	rtmp_push	RTMP_PUSH	2	Backup
	Callback Configuration ⑦ (Input Loss Behavior ⑦ (Note: This callback configuration o	only takes effect for RTMP_PUSH inputs.	
	Previous Next			

Note:

You can specify only one backup for each input, and it must be of the same type and have the same number of pipelines as the primary input.

Once an input is used as a backup, the failover feature will be disabled for the input automatically, which means that you cannot configure a backup for this input. To change the primary and backup roles of two inputs, you must disable failover for the primary input first.

After successful configuration, **Primary** and **Backup** will appear next to the names of the primary and backup inputs. In the input list, the backup input will appear below the primary input.

Input Loss Behavior

You can customize the way that StreamLive handles media when the video input into the channel is lost. :

Input Loss Behavior : Toggle this on if you want to enable the input loss behavior .

Repeat Last Valid Frame : On input loss, the number of milliseconds to repeat the previous picture before switching to the frame specified by **Input Loss Image Type**. Please enter an integer value x, where $0 \le x \le 1,000,000$ and a value of 1,000,000 will be interpreted as infinite. 0 indicates don't repeat the previous picture.

Input Loss Image Type : Indicates whether to substitute a solid color or a image into the output after input loss exceeds milliseconds to repeat the previous picture.

General Setting	Notes:			
2 Input Setting	 If you add multiple inputs, the You can add up to 5 inputs, in	first input is used by default. Other cluding 2 PUSH inputs. All the inpu	inputs may be used in failover or when ts must have the same number of pipeli	an event in the plan is triggered. ines (1 or 2).
3 Output Group Setting	Add			
	Input Name	Input Type	Pipeline	Bind Status
	honda_udp	UDP_PUSH	2	-
	UDP_PUSH	UDP_PUSH	2	-
	Input Pipeline Failover 🛈			
	Input Loss Behavior 📎			
	Repeat Last Valid Frame 🕜	1000	ms	
	Input Loss Image Type 🕥	COLOR	RGB⑦	#000000
	Save			

Pipeline Failover

For the two inputs in one **Input**, they correspondingly output to **Destination A** and **B**, forming two pipelines (Pipeline A and B). Failover settings can be made between these two pipelines.



Input Loss Behavior : If you enable this, the pipelines of this channel's inputs will function as backup for each other. If failover fails, the **Input Loss Behavior** settings will apply. If this is not enabled or if an input has only one pipeline, the **Input Loss Behavior** settings will also apply in case of failure to obtain input data.

Other operations

Click **Details** to view the source address and other information of an input.



Click **Set as First** to set an input as the default. The input will be moved to the top of the list. You cannot set a backup input as the default.

Click **Delete** to remove an input.

Click **Next** to proceed to the next step and configure outputs.

Step 4. Configure Output Groups

Last updated : 2023-11-03 09:34:50

StreamLive supports different types of outputs. This document shows you how to create outputs and output groups.

Configuring multiple output groups for a channel

You can configure multiple output groups for a channel by clicking the **Add** button.

← Edit C	hannel		
General	Setting		
V Input Se	tting Output Group Name	Output Group Type	Action
3 Output 0 Setting	Outpu1	HLS_STREAMPACKAGE	Details Delete
	Save		

Setting the name and type of an output group

Set the name and type of an output group:



Currently, the types of outputs supported are HLS, DASH, HLS_STREAM_PACKAGE, DASH_STREAM_PACKAGE, HLS_ARCHIVE, and DASH_ARCHIVE.

HLS and DASH outputs are sent to the destination via HTTP PUT.

HLS_STREAM_PACKAGE and DASH_STREAM_PACKAGE outputs are sent to StreamPackage of the current account. You can use the outputs as origin servers to stream content via CDNs.

HLS ARCHIVE and DASH ARCHIVE outputs are saved to Tencent Cloud COS.

Configuring the destinations

If the output type is HLS or DASH, enter the CDN URLs to push to. Enter the authentication information as well if the URLs require authentication.

Destination A	Please enter the destination url	
(?) *		
Authentication		
Authentication		
Authentication		
Authentication Destination B	Please enter the destination url	
Authentication Destination B	Please enter the destination url	

If the output type is HLS_STREAM_PACKAGE or DASH_STREAM_PACKAGE, enter the **ID of the StreamPackage channel** to push live streams to.

Destination Informat	ion *		
StreamPackage Channel ID (j) *			

If the output type is HLS_ARCHIVE or DASH_ARCHIVE, enter the **COS destinations** to save the output. StreamLive will save live streams in the last seven days to COS (the data will be overwritten after restart).

Destination In	formation *
COS Destination A ⑦ *	Please enter the destination url
COS Destination B	Please enter the destination url

Configuring outputs

Click **Add** to add an output.

aptions tracks that you need		
Add		
Output Name	Transcoding	Action
	No Output Add	

Configuring transcoding settings

For the added Output, click **Setting** in the Transcoding Setting to configure the transcoding parameters.

Outputs *			
Add one or more outputs to this need to be kept in the same tran	group. Each output has unique stream setting nscoding type (joint transcoding/separate trans	s that enable you to choose the video, audio, and coding).	captions tracks that you need. A
Add			
Output Name	SCTE-35 Setting	Transcoding Setting	Actions
output1		Setting	Remove

You can configure either joint or separate transcoding templates. For HLS outputs, separate transcoding allows you to combine different audio tracks. If you don't need this, we recommend you use joint transcoding.

🔗 Tencent Cloud

A joint transcoding template includes settings for both audio and video transcoding.

Audio/Video	Copy Audio/Video					
Vame		Audio Selector Name ⑦	Please Select	¥	Audio Transcoding	
Acodec	AAC v	Audio Bitrate/bps	6000	Ŧ	Sample Rate	48000
Audio Normalization Settings(j)		Target LUFS			Video Transcoding	
/codec	H264 v	Rate Control Mode ⑦	ABR	*	Video Bitrate/bps *	
Width 🕐		Height 🕐			Fps 🕐	
Fop Speed Codec Franscoding ⑦		Bitrate Compression Ratio ?			Video Watermark	
/ideo Natermark Femplate	Please Select 💌	Smart Subtitles 🕐			Subtitle Configuration	Please Sel
Face Blurring						

With separate transcoding, you need to set audio and video transcoding parameters separately. The audio transcoding templates specify parameters for the audio tracks the stream can use.

Audio Cop	by Audio							
Name			Acodec	AAC	Ŧ	Audio Bitrate/bps	6000 -	Sample Rate 🛈
Audio Selector Name	Please Select	¥	Language Code (?)			Audio Normalization Settings(j)		Target LUFS 🛈
Video Cop	oy Video							
Name								
/codec	H264	•	Rate Control Mode ()	ABR	¥	Video Bitrate/bps *		Width 🕐
Height ⑦			Fps⑦			Top Speed Codec Transcoding ⑦		Bitrate Compression Ratio ⑦
/ideo Watermark			Video Watermark Template	Please select	Ŧ	Face Blurring ⑦		

For transcoding parameters, you can create new parameters or use existing transcoding templates. Click **Copy** to reuse an existing transcoding template.

iscoding	O Joint Transcoding O Separate Transcod	ng			
Add Audio/Vide	D				
Audio/Video	Copy Audio/Video				
Name		Audio Selector Name⑦	Please Select	✓ Audio Transcoding	
Acodec	AAC	✓ Audio Bitrate/bps	6000	▼ Sample Rate	48000
Audio Normalization Settings (j)		Target LUFS		Video Transcoding	
Vcodec	H264	▼ Rate Control Mode⑦	ABR	▼ Video Bitrate/bps *	
Width 🕐		Height (?)		Fps 🕐	
Top Speed Codec Transcoding ⑦		Bitrate Compression Ratio 🍞		Video Watermark	
Video Watermark Template	Please Select	▼ Smart Subtitles⑦		Subtitle Configuration	Please Se



Humo		1100				Action	
name12		audio/video				Сору	
Name	name12						
Audio Selector Name ()	test		Ŧ				
Audio Transcoding							
Acodec	AAC		Ŧ	Audio Bitrate/bps	6000		
Audio Normalization Settings(j)				Target LUFS			
video Transcoding				Vcodec	H264		
Rate Control Mode ()	ABR		Ŧ	Video Bitrate/bps *	100000		
Width (?)				Height (?)			
ēps 🕐				Top Speed Codec Transcoding ⑦			

The Copy operation can save on transcoding fees by reusing a transcoding template. Within a channel, if multiple Outputs reuse the same transcoding template, only a single transcoding fee will be charged for the usage of this template.

Note:

Top Speed Codec Transcoding is a high-performance transcoding service developed by the Tencent Cloud Video team. It offers low-bitrate, high-quality transcoding by leveraging AI algorithms to dynamically determine the best encoding parameters. **Bitrate Compression Ratio** is the percentage of video bitrate expected to be reduced.

Configuring manifest information

PdtInsertion : Enable this function if you want to include the EXT-X-PROGRAM-DATE-TIME tag in manifest files.
PdtDuration is used to set the time interval for insertion of EXT-X-PROGRAM-DATE-TIME tags, in seconds.
Stream Order : For the master manifest in HLS, set the stream order by video bitrate ascending or descending.
Video Resolution : For the master manifest in HLS, set whether to include resolution information.



dtInsertion		
dtDuration	600	
	Between 1 and 3000	
tream Irder	Video bitrate ascending	Ŧ
ideo	INCLUDE	

Configuring segment information

You can also specify the Segment Information on this page, including the segment type, segment duration, and segment number. For some devices, such as Apple TV, to play H.265-encoded videos, you need to select fmp4 as the Segment Type and hvc1 as the Packaging Type.

▼ Segmer	t Information	
Segment Type	ts	¥
Segment Duration	4000	0. only be a n
Segment Number	5	
PdtInsertion	Between 3 and 300	
H.265 Packaging Type ()	Please select the segr	ment type 👻
Low Latency		

When the Output group type is HLS_STREAMPACKAGE, you can enable Low Latency funcation (Low-Latency HLS,

LL-HLS) and set the

corresponding Partial Segment Duration and Part Hold Back.

Configuring DRM

StreamLive supports DRM (CustomDRMKeys and SDMCDRM). For detailed directions how to enable the feature, see Channel DRM Configuration via DRMtoday.

V DRM	
DRM	
Scheme *	CustomDRMKeys -
DRM Type	• FAIRPLAY AES128
Cid *	Please enter the content id
Key *	Please enter a 32-bit hexadecima
∨ *	Please enter a 32-bit hexadecima

Saving the configuration

Click **Confirm** and **Done** to save the configuration. This concludes the configuration of a channel. You can then click **Start** to start the channel.

StreamLive	Channel Management	🔇 Mumbai 🔻		
🖸 Channel	Create Channel		Search	by channel Name or ID
⊡ Input	Name 🕏	State T	ID	Operation
Security Group		IDLE		Edit Start
r watermark		RUNNING		Edit Stop
		IDLE		Edit Start
		IDLE		Edit Start
		RUNNING		Edit Stop

Modifying and Deleting a Channel

Last updated : 2022-08-19 16:34:42

Modifying a channel

To modify a channel, find it on the **Channel Management** page, and click **Edit** on the right.

Channel Management	urt 💌			
	Create Channel		S	earch by channel Name or ID Q
	Name ‡	State T	ID	Operation
		IDLE		Edit Start Delete Export Clone
	<u></u>	IDLE		Edit Start Delete Export Clone
	Total items: 2			10 🕶 / page 🛛 🤞 1 / 1 page 🕞 🖂

Deleting a channel

To delete a channel, find it on the **Channel Management** page, click **Delete** on the right, and click **Confirm** in the pop-up window.

S Frankfur	t =				
				Edit Starl Delete Export Clone	
				Edit Start Delete Export Clone	
					age 🕨 🕅
		Delete	×		
		Sure to delete the channel?			
		Confirm			

Exporting, Importing, Cloning a Channel

Last updated : 2022-08-19 16:34:42

StreamLive allows you to import/export a channel configuration file and clone an existing channel.

Exporting a channel

The **Channel Management** page shows the channels created and their state. Click **Export** in the **Operation** column to export a JSON file of the channel's configuration.

Create Channel				
Name 🕈	State T	ID	Operatio	n
annel	IDLE		Edit Star	t Delete Export Clone
			×	
(i) Are you s	ure to export config	uration ?		
The configura	ation will be exported in json	file format.		
	Cancel	Confirm		

Importing a channel

On the **Channel Management** page, click **Create Channel** and then click **Import Configuration**. Select the JSON file to import. You can then edit the imported channel and save the configuration.

1 Basic Information > (2) Input Setting	> 3 Output Group Setting
Name Please enter the channel name	
Import Configuration Next Step After importing the configuration file(formatjson), origin configuration will be overwritten.	

The import feature allows you to quickly configure a channel. The console will auto-fill the information in **Basic Information** and **Output Group Setting** according to the JSON file you select, but will ignore the **Input Setting** information of the file. You still need to select the inputs to bind.

Note:

If you import a configuration file when editing a channel, the existing configurations will be overwritten.

Cloning a channel

Channel cloning is essentially a quick channel exporting and importing process. On the **Channel Management** page, click **Clone** in the **Operation** column. You will enter the configuration page of the new channel.

Create Channel			
Name ‡	State T	ID	Operation
_channel	IDLE		Edit Start Delete Export Clone

StreamLive will complete the channel configurations (except **Input Setting**) automatically according to the cloned channel. Complete the rest of the configurations and submit them.

Monitoring Channel Quality

Last updated : 2022-08-19 16:34:43

On the **Channel Management** page, click the name of a channel to view information about its input, output, alerts, and health.

÷	-	Start Channel Stop Channel
Information	Output Group Setting Plan Alerts Health	
Pasis Inform		5414
basic inform	nation	
Name		
ID		
State RUN	INING	
Innut Cattin		
input Settin	19	
	_	
Default Inp	ut Source	
ld		
Name	30mintime	
Source End Behavior	LOOP	
Denavior		
Other Input	t Sources	
ld		
Name	1to3time	
Source End	LOOP	
Behavior		
ld		
Marria	174+07-Himes	
Name	2202001112	
Source End	ONCE	
Behavior		

Alerts

If a problem occurs or is likely to occur in any pipeline of a channel, StreamLive will generate an alert for the channel. **Set time** is the time when the alert is generated, and **Cleared time** is the time when the alert is cleared. The state of an alert changes. When the alert state is **SET**, the **Set time** and **State** columns are highlighted in red. After an alert is cleared, its state changes to **CLEARED**, and the highlighting is removed. You can query alert data, including the problematic pipeline, alert type, and other details, for a time period of less than 24 hours in the last 5 days.



Information	Output Group Setting	Alerts	Health			
						Refresh
Set time	Cleared t	ime	State	Pipeline	Туре	Message
2021-03-25 14			SET	A	RTMP Stream Not Found	Message details
2021-03-25 11	:34:41 -		SET	В	RTMP Stream Not Found	Message details
Total items: 2					10 💌 / page	H 4 1 /1 page 🕨 H

Information	Output Group Setting	Alerts	Health			
						Refresh
Set time	Cleared	time	State	Pipeline	Туре	Message
2021-03-25 14	k28:11 2021-05	-08 18:56:28	CLEARED	A	RTMP Stream Not Found	Message details v
2021-03-25 1	:34:41 -		SET	В	RTMP Stream Not Found	Message details *
Total items: 2					10 🔻 / page	H 4 1 /1 page ▶ H

Health

The **Heath** tab displays information about a channel's inputs (bandwidth and input video/audio frame rate) and outputs (bandwidth), which help you determine whether the current channel is working properly. You can query data for a time period of less 24 hours in the last 5 days.



Ionnation Output G	roup Setting Alerts	Health		
Input Output Grou	ib			
Time Zone UTC+8 🔻	2021-05-07 19:18:25 ~ 2021-05	5-08 19:18:25 💼 Pipeline A Pipeline	B Confirm Show Data in I	Last Hour
elect a time range of up to 24	hours in the last 5 days.			
Bandwidth (Mbps)				
3				
2.5	2021	1-05-08 19:00		
2	_ P	Pipeline A(Mbps) 2.896458		
1.5				
0.5				
1 2024 05 00 40 55	2024 05 05 40 00			2024 05 00 40 45
2021-05-08 18:55	2021-05-08 19:00	2021-05-08 19:05	2021-05-08 19:10	2021-05-08 19:15
30				
30 25 20 15				
30 25 20 15				
30 25 20 15 10 5				
30 25 20 15 10 5 2021-05-08 18:55	2021-05-08 19:00	2021-05-08 19:05 — Pipeline A(Fps)	2021-05-08 19:10	2021-05-08 19:15
30 25 20 15 10 5 2021-05-08 18:55 nput Audio Frame Rate	2021-05-08 19:00 (Fps)	2021-05-08 19:05 — Pipeline A(Fps)	2021-05-08 19:10	2021-05-08 19:15
30 25 20 15 10 5 2021-05-08 18:55 nput Audio Frame Rate	2021-05-08 19:00 (Fps)	2021-05-08 19:05 — Pipeline A(Fps)	2021-05-08 19:10	2021-05-08 19:15
30 25 20 15 10 5 2021-05-08 18:55	2021-05-08 19:00 (Fps)	2021-05-08 19:05 — Pipeline A(Fps)	2021-05-08 19:10	2021-05-08 19:15
30 25 20 15 10 5 2021-05-08 18:55 nput Audio Frame Rate 50 40	2021-05-08 19:00 (Fps)	2021-05-08 19:05 — Pipeline A(Fps)	2021-05-08 19:10	2021-05-08 19:15
30 25 20 15 10 5 20 21-05-08 18:55 nput Audio Frame Rate 50 40 30 20	2021-05-08 19:00 (Fps)	2021-05-08 19:05 — Pipeline A(Fps)	2021-05-08 19:10	2021-05-08 19:15
30 25 20 15 10 5 2021-05-08 18:55 nput Audio Frame Rate 50 40 30 20 10	2021-05-08 19:00 (Fps)	2021-05-08 19:05 — Pipeline A(Fps)	2021-05-08 19:10	2021-05-08 19:15
30 25 20 15 10 5 2021-05-08 18:55 nput Audio Frame Rate 50 40 30 20 10 2021-05-08 18:55	2021-05-08 19:00 (Fps)	2021-05-08 19:05 — Pipeline A(Fps) 2021-05-08 19:05 — Pipeline A(Fps)	2021-05-08 19:10	2021-05-08 19:19



		oup						
īme Zone	UTC+8 💌	2021-05-07 19:18:25	~ 2021-05-08 19:18:25	Pipeline A	Pipeline B	Confirm	Show Data in Last Ho	bur
ect a time r	ange of up to	24 hours in the last 5 da	iys.					
ndwidth	(Mbps)	Output Group 1(hls) 🔻						
								(
						2	2021-05-08 18:55	
						2	2021-05-08 18:55 Pipeline A(Mbps)	0.699168
						2	2021-05-08 18:55 Pipeline A(Mbps)	0.699168

Watermark Management

Last updated : 2022-08-19 16:34:43

You can add a static image or text to the video outputs of StreamLive. A watermark image must be in PNG or JPG format.

Viewing watermarks

Select **Watermark Management** on the left sidebar. On this page, you can preview the watermarks added as well as view information such as image size and dimensions.

Template Name/ID	Content	Format	Туре	Origin	Size (Width × Height)	Template Binding	Last Modified	Operation
		gqi	Image Watermark	Origin TOP_LEFT Horizontal Offset 5% Vertical Offset 5%	Width 10% * Height 0%	0		Edit Delete
	1	png	Image Watermark	Origin TOP_RIGHT Horizontal Offset 0% Vertical Offset 90%	Width 20% * Height 20%	0		Edit Delete

Adding a watermark

To add a watermark, on the **Watermark Management** page, click **Create Template** and complete the following settings:



StreamLive	← Create Wa	termark Template
Security Group Management	Template Name *	
☑ Input Management	Watermark Type	Text Watermark v
던 Channel Management	Watermark Text *	Type watermark text
 Watermark Management 	Font Size	Maximum 64 characters
	Color	
	Origin	Top Left 👻
	Vertical Offset	0% 50% 99% - 0 + %
	Horizontal Offset	0 50% 99% Horizontal offset is the ratio of the horizontal distance between the watermark and origin to the video width.
	Cancel	Confirm

General settings:

- **Template Name**: The template name can be up to 16 characters long and can contain numbers, letters, and underscores (_).
- Watermark Type: Select Text Watermark or Image Watermark from the drop-down list.
- Origin: Select from the drop-down list whether to use the **Top Left**, **Bottom Left**, **Top Right**, or **Bottom Right** corner as the origin.
- Vertical Offset: The vertical offset of the watermark relative to the origin.
- Horizontal Offset: The horizontal offset of the watermark relative to the origin.

Adding a text watermark

- Watermark Text: The text to add to a video. This is required if you are adding a text watermark.
- Front Size: The font size.

🔗 Tencent Cloud

• Color: The text color.

← Create Watermark Template		
	Template Name *	text_watermark1
	Watermark Type	Text Watermark v
	Watermark Text •	helio world
		Maximum 64 characters.
	Font Size	<u>- 25 + </u> px
	Color	
	Ongin	Top Left v
	Vertical Offset	O 50% 99% virtical offset is the ratio of the vertical distance between the voltemant and origin to the voltemant. No
	Horizontal Offset	
		U% 5/% 90% Horizontal offset is the ratio of the horizontal distance between the watermark and origin to the video width.
	Cancel	Centern

Click Confirm.

Adding an image watermark

- Watermark Image: This is required if you are adding an image watermark. Click Click to upload or drag and drop the image file to upload.
- Watermark Size: The width and height of the watermark as a percentage of the image's original dimensions. If you leave them empty or set them to 0, the original image dimensions will be used.

Template Name *	image_watermark1
Watermark Type	Image Watermark 💌
Watermark Image :	Click to upload/Drag and drop to this area
L	Currently only images in PNG and JPG format are supported, Size within 2M.

Click Confirm.

Querying a watermark

In the top right corner of the **Watermark Management** page, enter a watermark template name or watermark ID in the search box to search for a watermark.

Create Template							image_watermark1		0 Q	
Template Name/ID	Content	Format	Туре	Origin	Size (Width × Height)	Template Binding	Last	Modified	Operation	
image_watermark1 628EF8F7C2AB1999BE40	hello world	-	Text Watermark	Origin TOP_LEFT Horizontal Offset 10% Vertical Offset 10%	25 px	0			Edit Delete	
Total items: 1						10 👻	/ page		/ 1 page	• •

Editing a watermark

🔗 Tencent Cloud

On the **Watermark Management** page, find the target watermark and click **Edit** in the **Operation** column to edit the watermark.

Create Template							Enter a templat	e Name or ID Q
Template Name/ID	Content	Format	Туре	Origin	Size (Width × Height)	Template Binding	Last Modified	Operation
image_watermark1 628EF8F7C2AB1999BE40	hello world	-	Text Watermark	Origin TOP_LEFT Horizontal Offset 10% Vertical Offset 10%	25 px	0	2022-05-26 11:50:15	Edit Delete

Deleting a watermark

On the **Watermark Management** page, find the target watermark and click **Delete** in the **Operation** column to delete the watermark.

Template Name/ID	Content	Format	Туре	Origin	Size (Width × Height)	Template Binding	Last Modified	Operation
image_watermark1 628EF8F7C2AB1999BE40	hello world	-	Text Watermark	Origin TOP_LEFT Horizontal Offset 10% Vertical Offset 10%	25 px	0		Edit Delete

You cannot delete a watermark that has been bound to a channel. The Template Binding column shows the number



of channels a watermark is bound to.

Template Name/ID	Content	Format	Туре	Origin	Size (Width × Height)	Template Binding Last Modified	Operation
test2 62161696C2AB4C4E779D	test	-	Text Watermark	Origin BOTTOM_LEFT Horizontal Offset 12% Vertical Offset 12%	50 px	1	Edit Delete
Total items: 1						10 ¥ / page 🛛 🖂 🕇 1	/1 page 🕨 🕨

Binding a watermark to a channel

After creating a watermark template, you can bind it to a channel. Find the target channel on the **Channel Management** page and click **Edit**. In **Output Group Setting**, toggle on **Video Watermark** and select the watermark template created from the drop-down list of **Video Watermark Template**.

StreamLive	← Edit Chann	el								
Security Group Management Input Management	Basic Infor	mation >	Input Setting	> 3	Output Group Setting					
Channel Management	Group 1		emplate i							+
Watermark Management		Name	720p64k	Audio Transcoding		Acodec	AAC 💌	Audio Bitrate/bps	64000 🔻	
		Video Transcoding		Vcodec	H264 v	Rate Control Mode ?	ABR 👻	Video Bitrate/bps *	2000000	
		Width ⑦	1280	Height (?)	720	Fps 🕐	25	Top Speed Codec Transcoding ⑦		
		Bitrate Compression Ratio ⑦		Video Watermark		Video Watermark Template	Please select			
		Audio/Video 1	Template 2				test4 image_waterm image_waterm			Ū
		Name	1080p64k	Audio Transcoding		Acodec	AAC 🔻	Audio Bitrate/bps	6000 🔻	
	Previous	Done								

Note:

Configuration changes do not take effect until the next live streaming.

Plan Management

Last updated : 2023-11-03 09:49:50

You can execute events for a channel while it's running by adding events to the plan of the channel. StreamLive will perform the specified action at the specified time.

Viewing events

On the **Channel** page, click the name of the channel for which you want to configure events and select the **Plan** tab.

StreamLive	← test12342223	
😽 Security Group	Information Output Group Setting Plan Alerts Health Logs	
⊡ Input	Create Event	
🖸 Channel		
Watermark	Event Name Start Time (UTC+8) \$ Start Type	Event Type
	No data yet	
	Total items: 0	

Creating an event

Click Create Event. Currently, the following event types are supported:

Input Switch : Change the input of a running channel.

Time Record: Record a specific segment of a running channel's output.

SCTE-35 Time Signal : Configure a SCTE-35 time_signal event.

SCTE-35 Splice Insert : Configure a SCTE-35 splice_insert event.

SCTE-35 Return to Network : Configure a SCTE-35 return to network event.

Creating an Input Switch event

StreamLive	← test1234	2223				Create Event	
Security Group	Information	Output Group Setting	Plan	Alerts	Health L	Basic Information	1
u Input	Create Event					Event Name *	Please enter th
Channel		•				Timing	
Watermark	Event Name	Sta	urt Time (UTC	+8) \$	Start Ty	Start Type	Fixed Time
						Date (UTC+8) 🕐	2023-07-05 15:
	Total items: 0						
						Event	
						Event Type	O Input Switch
							Time Record
							SCTE-35 Tim
							SCTE-35 Spl
							SCTE-35 Ret
						Input Attachment	Please select
E						Confirm	Cancel

Event Type : Select Input Switch.

Event Name : Enter the event name, which can be up to 32 characters long, can contain numbers, underscores, and letters, and must be unique across the channel.

Start Type : Select Fixed Time or Immediate. Fixed Time: Execute the event at a specified time (UTC), which must be at least 10 seconds later than the event configuration time. Immediate: Execute the event immediately.
Input Attachment : From the inputs that have been bound to the channel, select one to change to.

Creating a Time Record event

StreamLive	← test1234	2223				Create Event	
Security Group	Information	Output Group Setting	Plan	Alerts	Health	Basic Information	
⊡ Input	Create Event					Event Name *	Please enter the
🔁 Channel						OutputGroupName *	Please select
Watermark	Event Name	Star	t Time (UTC+8	3) \$	St		
						ManifestName *	Please enter the
	Total items: 0					DestinationUrl1 (?) *	Please enter the
						DestinationUrl2	Please enter the
						Timing	
						Date (UTC+8)	2023-07-05 14:42
						Event	
						Event Type	O Input Switch
							🔿 Time Record
							SCTE-35 Time
							SCTE-35 Splice
							SCTE-35 Return
Ξ						Confirm	ancel

Event Type : Select Time Record.

Event Name : Enter the event name, which can be up to 32 characters long, can contain numbers, underscores, and letters, and must be unique across the channel.

OutputGroupName : Select the output group to record. You can view the output groups of a channel on the **Output Group Setting** page.

ManifestName : Enter the name of the manifest file generated (you don't need to include .m3u8 or .mpd in the name).

DestinationUrl : Enter the COS address to save the file.

Timing : Enter the time period (UTC) to record.

For SCTE-35 event, you can refer to the SCTE STANDARD - SCTE 35 2022

Creating a SCTE-35 Time Signal event

StreamLive	← test1234	2223				Create Event	
Security Group	Information	Output Group Setting	Plan	Alerts	Health	Basic Information	
ヹ Input	Create Event					Event Name *	Please enter the
🔁 Channel							
Watermark	Event Name	Start	Time (UTC+8	3) \$	St	Timing	
						Start Type	Fixed Time
	Total items: 0					Date (UTC+8)	2023-07-05 14:41
						Event	
						Event Type	O Input Switch
							Time Record
							O SCTE-35 Time
							SCTE-35 Splice
							SCTE-35 Return
						SCTE-35 Descripto	rs
E						Confirm	ancel

Event Type : Select SCTE-35 Time Signal.

Event Name : Enter the event name, which can be up to 32 characters long, can contain numbers, underscores, and letters, and must be unique across the channel.

Start Type : Select **Fixed Time** or **Immediate**. Fixed Time: Execute the event at a specified time (UTC), which must be at least 10 seconds later than the event configuration time. Immediate: Execute the event immediately.

Click Add to create several SCTE-35 Descriptors_\circ

Event		
Event Type	O Input Switch	
	Time Record	
	O SCTE-35 Time Signal	
	SCTE-35 Splice Insert	
	SCTE-35 Return To Network	
SCTE-35 Desci	riptors (3)	Add
SCTE-35 De	escritptor 1 Remove	Ŧ
SCTE-35 De	escritptor 2 Remove	v
SCTE-35 De	escritptor 3 Remove	Ŧ
Confirm	Cancel	

For each SCTE-35 Descriptor, you can set following information:

SCTE-35 Descritptor 1 Remove	*
Descriptor Type	Segmentation Descriptor
Segmentation Event ID 🕐 *	
Segmentation Event Cancel Indicator 🕐 *	PREVIOUSLY_EVENT_NOT_CANCELLED
	O PREVIOUSLY_EVENT_CANCELLED
Delivery Restrictions	
Segmentation Duration (?)	
Segmentation UPID Type (?) *	
Segmentation UPID () *	
Segmentation Type ID 🕐 *	
Segment Num *	
Segments Expected 🕐 *	
Subsegment Num 🕐 *	
Subsegments Expected *	

Segmentation Event ID : A 32-bit unique segmentation event identifier. Please enter an integer between 0 and 4294967295.

Segmentation Event Cancel Indicator : Indicates that a previously sent segmentation event, identified by segmentation_event_id, has been cancelled.

Delivery Restrictions : Correspond to SCTE-35 web_delivery_allowed, no_regional_blackout, archive_allowed, device_restrictions parameter.

Segmentation Duration : The duration of the segment in 90kHz ticks. Please enter an integer between 0 and 1099511627775.

Segmentation UPID Type : Correspond to SCTE-35 segmentation_upid_type parameter. Please enter an integer between 0 and 255.

Segmentation UPID: Correspond to SCTE-35 segmentation_upid parameter. Please enter a string which can contain up to 255 characters. Segmentation UPID can be empty only when Segmentation UPID Type is 0.



Segmentation Type ID: Correspond to SCTE-35 segmentation_type_id parameter. Please enter an integer between 0 and 255.

Segment Num: Correspond to SCTE-35 segment_num parameter. Please enter an integer between 0 and 255.

Segments Expected : Correspond to SCTE-35 segment_expected parameter. Please enter an integer between 0 and 255.

Subsegment Num : Correspond to SCTE-35 sub_segment_num parameter. Please enter an integer between 0 and 255.

Subsegments Expected : Correspond to SCTE-35 sub_segments_expected parameter. Please enter an integer between 0 and 255.

Creating a SCTE-35 Splice Insert event

Create Event		
Basic Informatior	1	
Event Name *	Please enter the event name	
Timing		
Start Type	Fixed Time v	
Date (UTC+8) 🕐	2023-07-05 14:41:00	
Event		
Event Type	O Input Switch	
	Time Record	
	SCTE-35 Time Signal	
	SCTE-35 Splice Insert	
	SCTE-35 Return To Network	
Splice Event ID 🕐 *		

Event Type : Select SCTE-35 Splice Insert.

Event Name : Enter the event name, which can be up to 32 characters long, can contain numbers, underscores, and letters, and must be unique across the channel.

Start Type : Select **Fixed Time** or **Immediate**. Fixed Time: Execute the event at a specified time (UTC), which must be at least 10 seconds later than the event configuration time. Immediate: Execute the event immediately.

Splice Event ID : A 32-bit unique segmentation event identifier. Please enter an integer between 0 and 4294967295. **Duration** : The duration of the segment in 90kHz ticks. Please enter an integer between 0 and 8589934591.

Creating a SCTE-35 Return to Network event

Create Event		
Basic Information		
Event Name *	Please enter the event nar	me
Timing		
Start Type	Fixed Time	Ŧ
Date (UTC+8) 🕐	2023-07-05 14:41:00	Ö
Event		
Event Type	O Input Switch	
	Time Record	
	O SCTE-35 Time Signal	
	SCTE-35 Splice Insert	
	O SCTE-35 Return To Netv	vork
Splice Event ID 🕐 *		

Event Type : Select SCTE-35 Return to Network.

Event Name : Enter the event name, which can be up to 32 characters long, can contain numbers, underscores, and letters, and must be unique across the channel.

Start Type : Select Fixed Time or Immediate. Fixed Time: Execute the event at a specified time (UTC), which must be at least 10 seconds later than the event configuration time. Immediate: Execute the event immediately.
Splice Event ID : A 32-bit unique segmentation event identifier for SCTE-35 splice_insert. Please enter an integer between 0 and 4294967295.

Creating a Timed Metadata event

StreamLive	÷ .					Create Event	
Channel	Information O	Output Group Setting	Plan	Alerts	Health Logs	Basic Information	1
Security Group	Create Event					Event Name *	Please enter the
正 Input							
Watermark	Event Name		Start Time (UT	C+8) \$	Start Typ	e Timing	
	1	:	2023-08-16 16:2	20:31	Immedia	e Start Type	Fixed Time
	Total items: 1					Date (UTC+8) 🕐	2023-10-18 11:
						Event	
						Event Type	O Input Switch
							Time Record
							O SCTE-35 Tim
							SCTE-35 Spli
							C Timed Metada
						ID3 🛈 *	

Event Type : Select Timed Metadata.

Event Name : Enter the event name, which can be up to 32 characters long, can contain numbers, underscores, and letters, and must be unique across the channel.

Start Type : Select **Fixed Time** or **Immediate**. Fixed Time: Execute the event at a specified time (UTC), which must be at least 10 seconds later than the event configuration time. Immediate: Execute the event immediately.

ID3:

Please enter a fully formed ID3 metadata item (including both a header and a frame, as per the ID3 specification) and encode it as base64, which can be up to 1024 characters long.

For output in this channel that requires the passthrough of ID3 metadata, it is necessary to toggle on the **ID3 Passthrough** switch in the output setting.

Outputs *			
Add one or more outputs to	o this group. Each output has unique s	tream settings that enable you to choo	ose the video, audio, and captior
	e transcouning type (joint transcouning/s	eparate transcounity).	
Add			
Output Name	SCTE-35 Setting	ID3 Passthrough	Transcoding Setting
720			720p,128k,64k
1080p			1080p,64k,128k

Deleting an event

Find the event to delete, click **Delete** in the **Operation** column, and then click **Confirm** in the pop-up window. You can delete an event that hasn't been executed or has finished, but not one that is being executed.

Create Event			
Event Name	Start Time (UTC+8) 🏾 🏶	Start Type	Event Type
switch_event	2022	Fixed Time	Input Switch
timerecord_event			Time Record
Total items: 2			