

Republishing to AWS MediaLive

1. Preparing to test

For test we use:

- AWS MediaLive channel to receive RTMP and send RTMP to predefined address;
- WCS server `test.flashphoner.com`;
- WebRTC as RTMP web application to publish and republish a stream;
- mediaserver to receive RTMP stream from AWS MediaLive, WCS for example `rtmp.flashphoner.com`

2. AWS MediaLive configuration: Create an Input at AWS MediaLive to ingest RTMP

fpctest

EditDelete

Details

ID

2927463

Name

fpctest

State

Attached

Attached channels

8290996

ARN

arn:aws:medialive:eu-west-1:170365852928:input:2927463

Type

RTMP_PUSH

Endpoints (1)

URL	IPv4	Port
rtmp://52.208.175.199:1935/live/stream	52.208.175.199	1935

3. AWS MediaLive configuration: Create channel with `Output group: RTMP`

fpctest

StartStopChannel Actions

Status

Channel state Idle	Pipelines running 0	Active alerts Pipeline 0
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DetailsScheduleAlertsHealthSettingsDestinationsTags

ID 8290996 Channel class SINGLE_PIPELINE Input attachments fpctest Input #2927463	ARN arn:aws:medialive:eu-west-1:170365852928:channel:8290996 Role ARN -
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Input specifications

Input codec AVC	Input resolution SD	Maximum input bitrate MAX_10_MBPS
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fpctest

StartStopChannel Actions

Status

Channel state Idle	Pipelines running 0	Active alerts Pipeline 0
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DetailsScheduleAlertsHealthSettingsDestinationsTags

Egress endpoints (1)

Pipeline	Source IP
Pipeline 0	3.251.26.130

Destinations (1)

ID	Pipeline 0
slw3b	rtmp://rtmp.flashphoner.com:1935/live

The detailed instructions to create AWS MediaLive channel can be found in [this Medium article](#) for example.

4. WCS configuration

Add the following parameters to `flashphoner.properties` file


```
rtmp_transponder_full_url=true
rtmp_transponder_stream_name_prefix=
rtmp_flash_ver_subscriber=LNx 76.219.189.0
rtmp_transponder_send_metadata=true
```

and restart WCS

5. Start AWS MediaLive channel

WebRTC as RTMP re-publishing

Local



wss://p13.flashphoner.com:8443 Stop

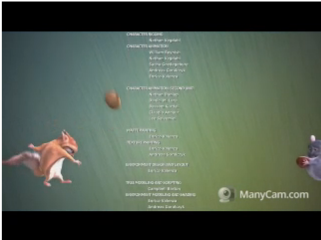
PUBLISHING

RTMP Target Details

RTMP URL

Stream

RTMP Player



Stop

Started

In RTMP player window set URL and name of the channel output stream created at step 3

7. Alerts will be cleared in AWS MediaLive channel window

fptest Start Stop Channel Actions

Channel state
● Running

Pipelines running
● 1

Active alerts
Pipeline 0 ● 0

Details Schedule Alerts Health Settings Destinations Tags

Alerts

Set	Cleared	State	Pipeline	Type	Message
2020.12.24 14:28:18 +07	2020.12.24 14:30:58 +07	CLEARED	0	Initial Probe is Taking Longer Than Expected	Initial input probe is taking longer than expected
2020.12.24 14:28:18 +07	2020.12.24 14:30:58 +07	CLEARED	0	Video Not Detected	[1] Video not detected: Check input signal
2020.12.24 14:28:18 +07	2020.12.24 14:30:58 +07	CLEARED	0	Audio Not Detected	[1] Audio not detected: Check input signal
2020.12.24 14:28:08 +07	2020.12.24 14:30:58 +07	CLEARED	0	RTMP Has No Audio/Video	Waiting for RTMP input
2020.12.24 14:28:08 +07	2020.12.24 14:30:58 +07	CLEARED	0	RTMP Stream Not Found	Searching for RTMP Push stream [stream], which does not exist at this time