Republishing to AWS MediaLive

Preparing to test

1. For test we use:

- AWS MediaLIve channel to receive RTMP and send RTMPto predefined address;
- WCS servertest.flashphoner.com;
- WebRTC as RTMPweb application to publish and republish a stream;
- mediaserver to receive RTMP stream from AWS MediaLive, WCS for examplertmp.flashphoner.com

Preparing to AWS MediaLive republishing

AWS MediaLive configuration

2. Create an Input at AWS MediaLive to ingest RTMP

3. Create channel with Output group: RTMP

fptest

Start Stop Channel Actions ▼

Status

Channel state	Pipelines running	Active alerts
Idle	0	Pipeline 0 ⊖

Details | Schedule | Alerts | Health | Settings | Destinations | Tags

ID
8290996

ARN
arn:aws:medialive:eu-west-1:170365852928:channel:8290996

Channel class
SINGLE_PIPELINE

Role ARN
-

Input attachments
fptest
Input #2927463

Input specifications

Input codec	Input resolution	Maximum input bitrate
AVC	SD	MAX_10_MBPS

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fptest

Start Stop Channel Actions ▼

Status

Channel state	Pipelines running	Active alerts
Idle	0	Pipeline 0 ⊖

Details | Schedule | Alerts | Health | Settings | **Destinations** | Tags

Egress endpoints (1)

Pipeline	Source IP
Pipeline 0	3.251.26.130

Destinations (1)

ID	Pipeline 0
slwr3b	rtmp://rtmp.flashphoner.com:1935/live

The detailed instructions to create AWS MediaLive channel can be found in this Medium article for example.

WCS configuration

4. 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

Launch republishing flow

5. Satrt AWS MediaLive channel

The following alerts will be shown if no input stream

6. Publish a stream in WebRTC as RTMP example, setting RTMP URL of ingest point created at step 2

WebRTC as RTMP re-publishing

Local

RTMP Target Details

RTMP URL `rtmp://52.208.175.199:1935/live/str`
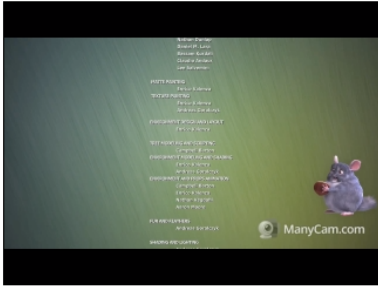
Stream `test`

`wss://p13.flashphoner.com:8443` [Stop]

PUBLISHING
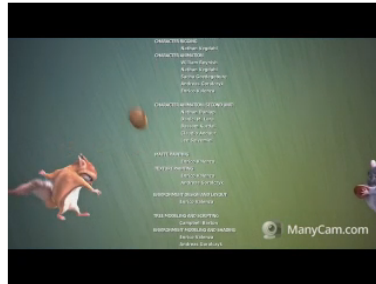
RTMP Player

`rtmp://rtmp.flashphoner.com:1935/live/fptest` [Stop]

Started

In RTMP playre 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 ▼]

Status

Channel state	Pipelines running	Active alerts
⊘ Running	1	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