

Republishing to AWS MediaLive

- [Preparing to test](#)
- [Preparing to AWS MediaLive republishing](#)
 - [AWS MediaLive configuration](#)
 - [WCS configuration](#)
- [Launch republishing flow](#)

Preparing to test

1. For test we use:
- AWS MediaLive channel to receive RTMP and send RTMPto predefined address;
 - WCS server[test.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

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. Create channel with Output group: RTMP

fptest

Start
Stop
Channel Actions

Status

Channel state

Idle

Pipelines running

0

Active alerts

Pipeline 0

Details
Schedule
Alerts
Health
Settings
Destinations
Tags

ID

8290996

Channel class

SINGLE_PIPELINE

Input attachments

fptest

Input #2927463

ARN

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

Role ARN

-

Input specifications

Input codec

AVC

Input resolution

SD

Maximum input bitrate

MAX_10_MBPS

fptest

Start
Stop
Channel Actions

Status

Channel state

Idle

Pipelines running

0

Active alerts

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

Successfully starting 1 channels

AWS Elemental MediaLive > Channels > Alerts

fptest

Start

Stop

Channel Actions

Status

Channel state

Starting

Pipelines running

0

Active alerts

Pipeline 0 0

Details

Schedule

Alerts

Health

Settings

Destinations

Tags

Alerts

< 1 >

Set

Cleared

State

Pipeline

Type

Message

You have no active alerts!

The following alerts will be shown if no input stream

fptest

Start

Stop

Channel Actions

Status

Channel state

Running

Pipelines running

1

Active alerts

Pipeline 0 5

Details

Schedule

Alerts

Health

Settings

Destinations

Tags

Alerts

< 1 >

Set

Cleared

State

Pipeline

Type

Message

2020.12.24 14:28:18 +07

-

SET

0

Initial Probe is Taking Longer Than Expected

Initial input probe is taking longer than expected

2020.12.24 14:28:18 +07

-

SET

0

Video Not Detected

[1] Video not detected: Check input signal

2020.12.24 14:28:18 +07

-

SET

0

Audio Not Detected

[1] Audio not detected: Check input signal

2020.12.24 14:28:08 +07

-

SET

0

RTMP Has No Audio/Video

Waiting for RTMP input

2020.12.24 14:28:08 +07

-

SET

0

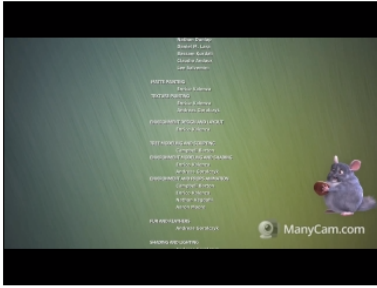
RTMP Stream Not Found

Searching for RTMP Push stream [stream], which does not exist at this time

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



wss://p13.flashphoner.com:8443

Stop

PUBLISHING

RTMP Target Details

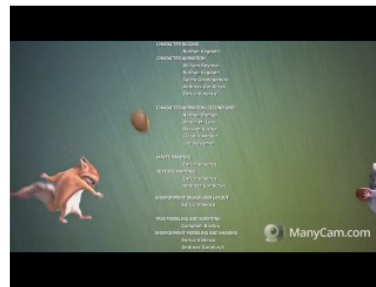
RTMP URL

rtmp://52.208.175.199:1935/live/str

Stream

test

RTMP Player



rtmp://rtmp.flashphoner.com:1935/live/ftest

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

fpctest

Start

Stop

Channel Actions

Status

Channel state

Running

Pipelines running

1

Active alerts

Pipeline 0 0

Details

Schedule

Alerts

Health

Settings

Destinations

Tags

Alerts

Q

< 1 > ⚙

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