Republishing to AWS MediaLive

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 - WCS configuration
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Preparing to test

1. For test we use:

- AWS MediaLlve 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

fptest		Edit Delete
Details		
ID 2927463 Name fptest State ⓒ Attached Attached channels 8290996	ARN am: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		Active alerts Pipeline 0	
Details Schedule Alerts Health Settings D	Destinations Tags			
ID 8290996		ARN arn:aws:medialive:eu-west-1:17036	5852928:channel:8290996	
Channel class SINGLE_PIPELINE		Role ARN -		
Input attachments fptest Input #2927463				
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		Active alerts Pipeline 0	
Details Schedule Alerts Health Settings C	Destinations Tags			
Egress endpoints (1)				
Pipeline	Source I	IP		
Pipeline 0	3.251.26			
Destinations (1)				
ID Pipeline 0				
slwr3b rtmp://rtmp.flashp	hoper.com:1935/live			

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

WCS configuration

4. Add the following parameters toflashphoner.propertiesfile

```
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 V
Status		
Channel state S Starting	Pipelines running	Active alerts Pipeline 0
Details Schedule Alerts Health Settings	Destinations Tags	
Alerts		
Q		< 1 > @
Set v Cleared		eline \triangledown Type \triangledown Message
	You have no active alerts!	

The following alerts will be shown if no input stream

fptest									Start	p Channel Actions 🔻
Status										
Channel state ⊘ Running					Pipelii 1	nes ri	unning		Active alerts Pipeline 0 👩	
Details Schedule	Ale	rts Health	Set	tings Des	tinations	Tag	s			
Alerts										
Q										< 1 > @
Set	∇	Cleared	∇	State 🔻	Pipeline	V	Туре	\bigtriangledown	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 RT	MP re-publishing
Local	RTMP Target Details
San at for som Reven et skrate Data for forse Under forses at for some	RTMP URL rtmp://52.208.175.199:1935/live/str
and an and an	Stream test
Manual State	RTMP Player
wss://p13.flashphoner.com:8443 Stop	Union Tie Bange The Anna Space Union Tierra Anna Space Anna Space
PUBLISHING	And the second s
	rtmp://rtmp.flashphoner.com:1935/live/tptest 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

otest				Start Stop	Channel Actions
Status					
Channel state		Pipelines running	1	Active alerts Pipeline 0 💿	
Details Schedule A	lerts Health Settings	Destinations Tags			
Alerts Q					< 1 > ©
	Cleared V	State ▼ Pipeline ⊽	Туре 🔻	Message	< 1 > @
٩	Cleared ⊽ 2020.12.24 14:30:58 +07	State ▼ Pipeline ▼ CLEARED 0	Type ▼ Initial Probe is Taking Longer Than Expected	Message Initial input probe is taking longer than expected	< 1 > @
Q Set V				-	< 1 > 0
Q Set ♥ 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	< 1 > @
Q Set ▼ 2020.12.24 14:28:18 +07 2020.12.24 14:28:18 +07	2020.12.24 14:30:58 +07 2020.12.24 14:30:58 +07	CLEARED 0 CLEARED 0	Initial Probe is Taking Longer Than Expected Video Not Detected	Initial input probe is taking longer than expected [1] Video not detected: Check input signal	< 1 > @