

# Ретрансляция на AWS MediaLive

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## Подготовка к тестированию

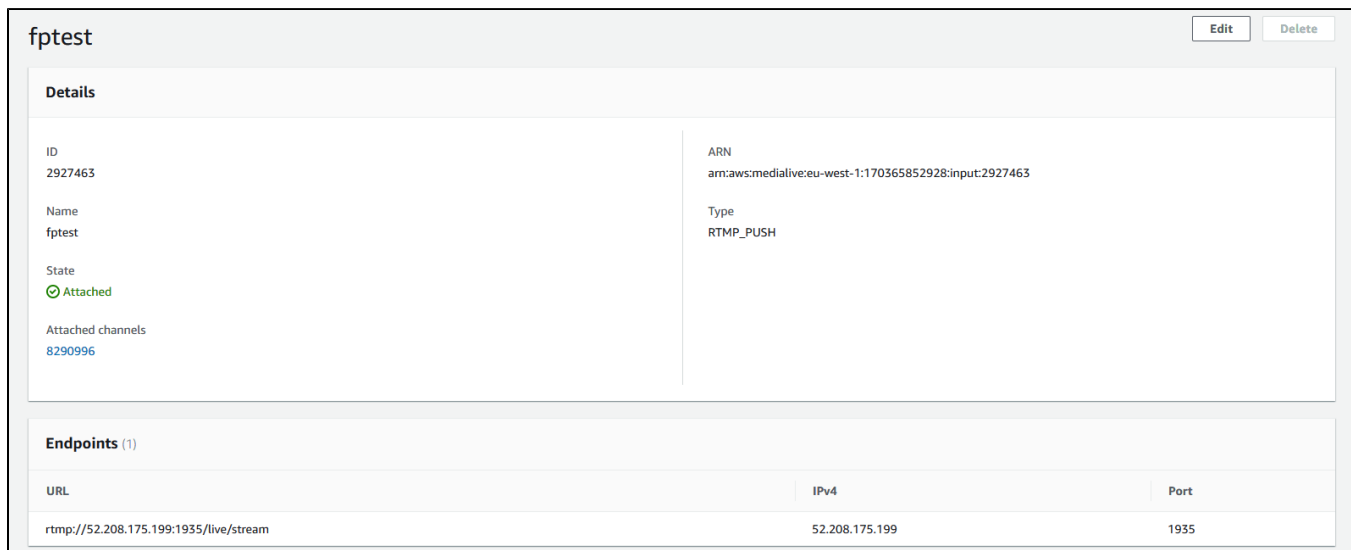
1. Для теста используем:

- канал на AWS MediaLive, принимающий RTMP и отправляющий RTMP по указанному адресу;
- WCS сервер [test.flashphoner.com](http://test.flashphoner.com);
- веб-приложение WebRTC as RTMP для публикации ретрансляции потока;
- медиасервер, принимающий RTMP поток от AWS MediaLive, например, WCS [rtmp.flashphoner.com](http://rtmp.flashphoner.com)

## Подготовка к трансляции на AWS MediaLive

### Настройка AWS MediaLive

2. Создайте Input на AWS MediaLive для приема RTMP



The screenshot shows the AWS MediaLive console interface for an input named 'fptest'. The 'Details' section displays the following information:

- ID:** 2927463
- Name:** fptest
- State:** Attached (indicated by a green checkmark)
- Attached channels:** 8290996
- ARN:** arn:aws:medialive:eu-west-1:170365852928:input:2927463
- Type:** RTMP\_PUSH

The 'Endpoints (1)' section shows a table with the following data:

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

3. Создайте канал с Output group: RTMP

fptest Start Stop Channel Actions

**Status**

Channel state Idle	Pipelines running 0	Active alerts Pipeline 0
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[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 <a href="#">Input #2927463</a>	

**Input specifications**

Input codec AVC	Input resolution SD	Maximum input bitrate MAX_10_MBPS
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fptest Start Stop Channel Actions

**Status**

Channel state Idle	Pipelines running 0	Active alerts Pipeline 0
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[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

Более подробные инструкции по созданию канала можно найти, например, в [этой статье на Medium](#)

## Настройка WCS

4. Добавьте следующие настройки в файл [flashphoner.properties](#)

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

и перезапустите WCS

## Запуск трансляции

5. Запустите канал на AWS MediaLive

The screenshot shows the AWS Elemental MediaLive console for a channel named 'fptest'. The channel state is 'Starting'. There are 0 pipelines running and 0 active alerts. The 'Alerts' tab is selected, showing a table with no data and the message 'You have no active alerts!'.

Set	Cleared	State	Pipeline	Type	Message
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При отсутствии потока на входе отображаются предупреждения

The screenshot shows the AWS Elemental MediaLive console for a channel named 'fptest'. The channel state is 'Running'. There is 1 pipeline running and 5 active alerts. The 'Alerts' tab is selected, showing a table with 5 rows of alerts.

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. Опубликуйте поток в примере WebRTC as RTMP, указав полный RTMP URL точки входа, созданной на шаге 2

# WebRTC as RTMP re-publishing

Local



wss://p13.flashphoner.com:8443

Stop

PUBLISHING

RTMP Target Details

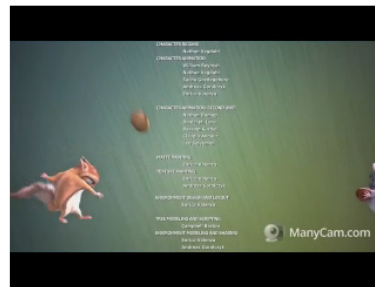
RTMP URL

rtmp://52.208.175.199:1935/live/str

Stream

test

RTMP Player



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

Stop

Started

В окне RTMP плеера укажите URL и имя выходного потока канала, созданного на шаге 3

7. В окне AWS MediaLive предупреждения сбросятся

fptest Start Stop Channel Actions

**Status**

Channel state Running Pipelines running 1 Active alerts Pipeline 0

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

**Alerts**

Search:

< 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