

Getting Started Series: How to record with vidyo.io

The webcast will begin shortly. Please stand by.



Getting Started Series: How to record with vidyo.io

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January 11, 2018

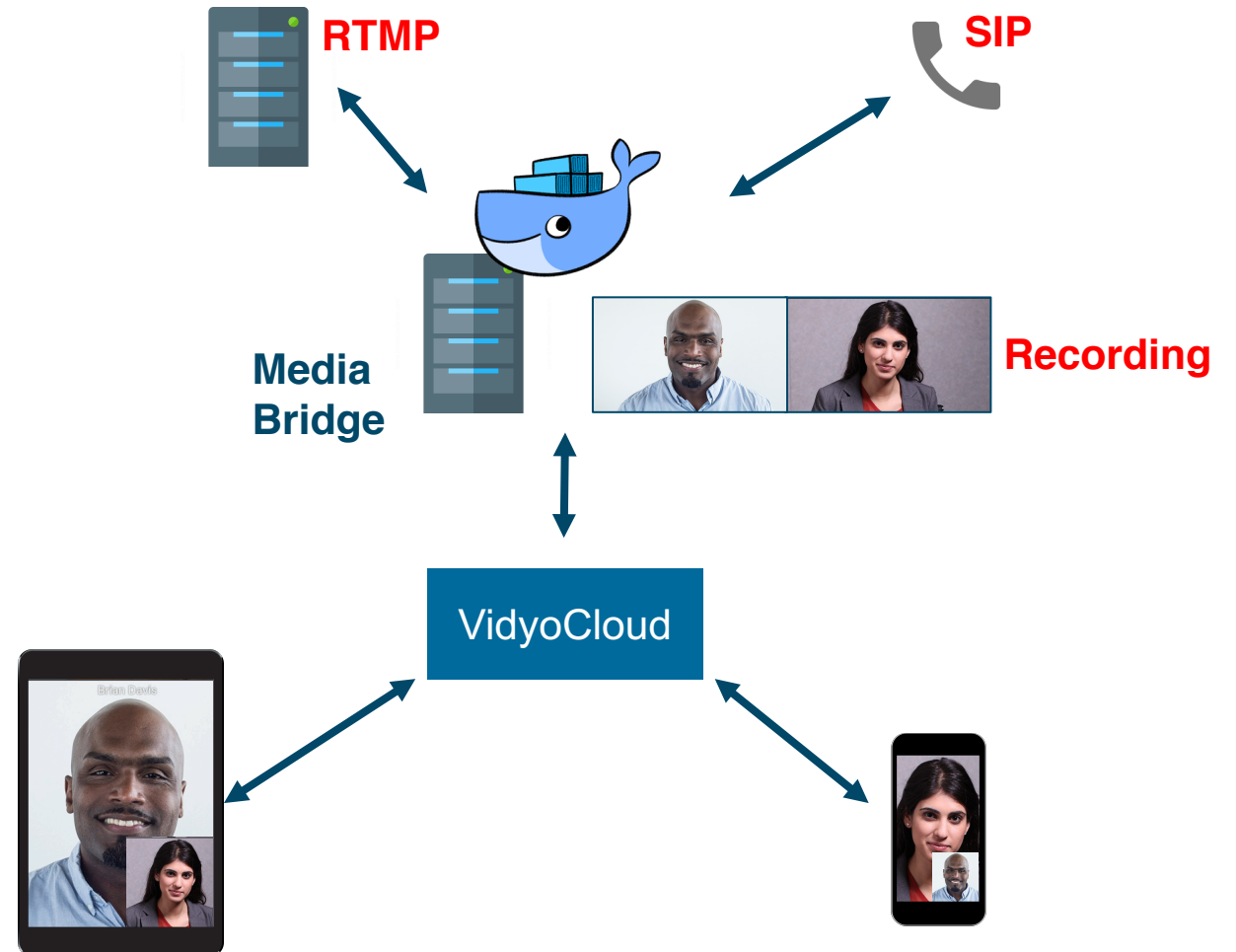


Starting with vidyo.io

- Multiparty Video APIs for WebRTC, Mobile, and Native Apps
 - Sign up at <https://vidyo.io/>
- Video enable your apps in minutes
 - <https://vidyo.io/how-to-videos/>
- Ready to deploy samples
 - <https://developer.vidyo.io/packages>
 - <https://github.com/vidyo>

Media Bridge

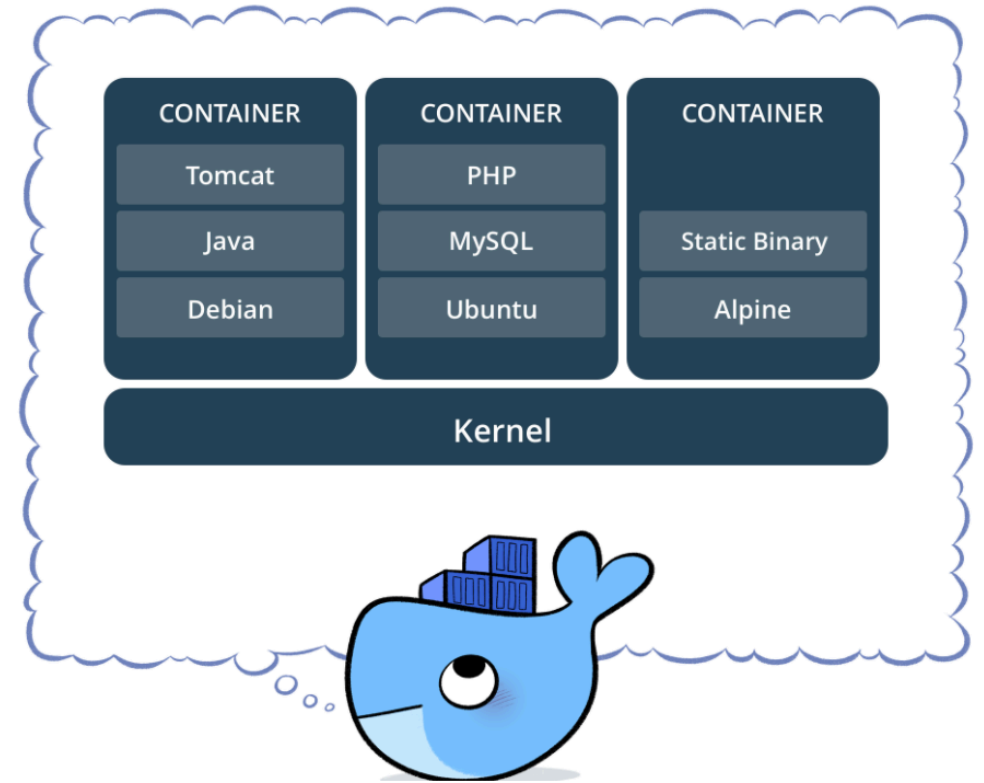
- Recorder for the archiving of vidyo.io-based video conferences
- Streamer for the distribution of vidyo.io-based video conferences
- Gateway for SIP-enabled systems



Docker

- Open source project
- Lightweight standalone executable
- Secure
- Multiple containers at a time
- Multi-Cloud Platforms

Check out <https://www.docker.com/>



Benefits of Docker-Based Media Bridge

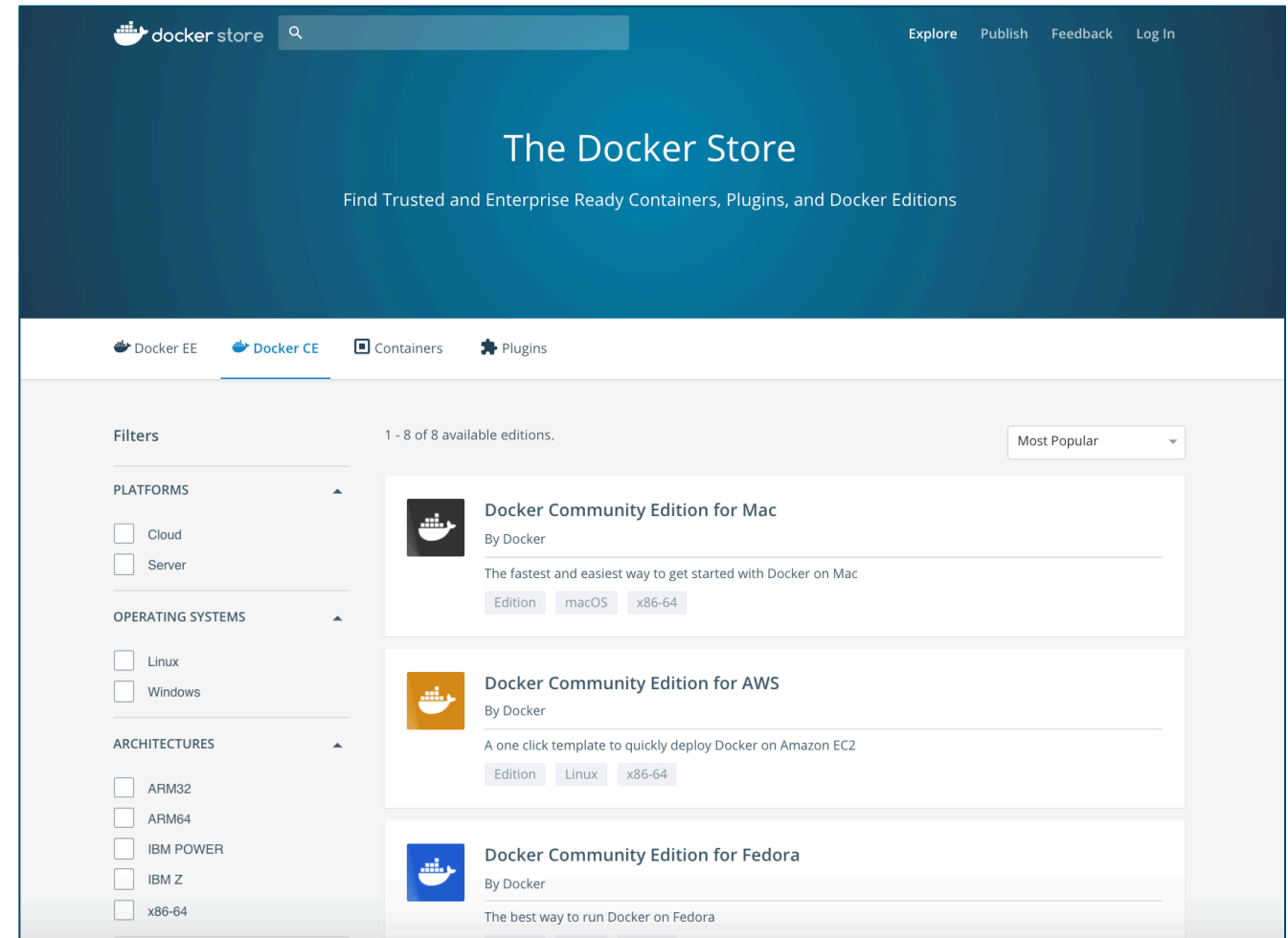
- Achieve compliance with regulated industries
- Geo-locate close to SIP infrastructure to reduce network transmission errors



Setting up Media Bridge

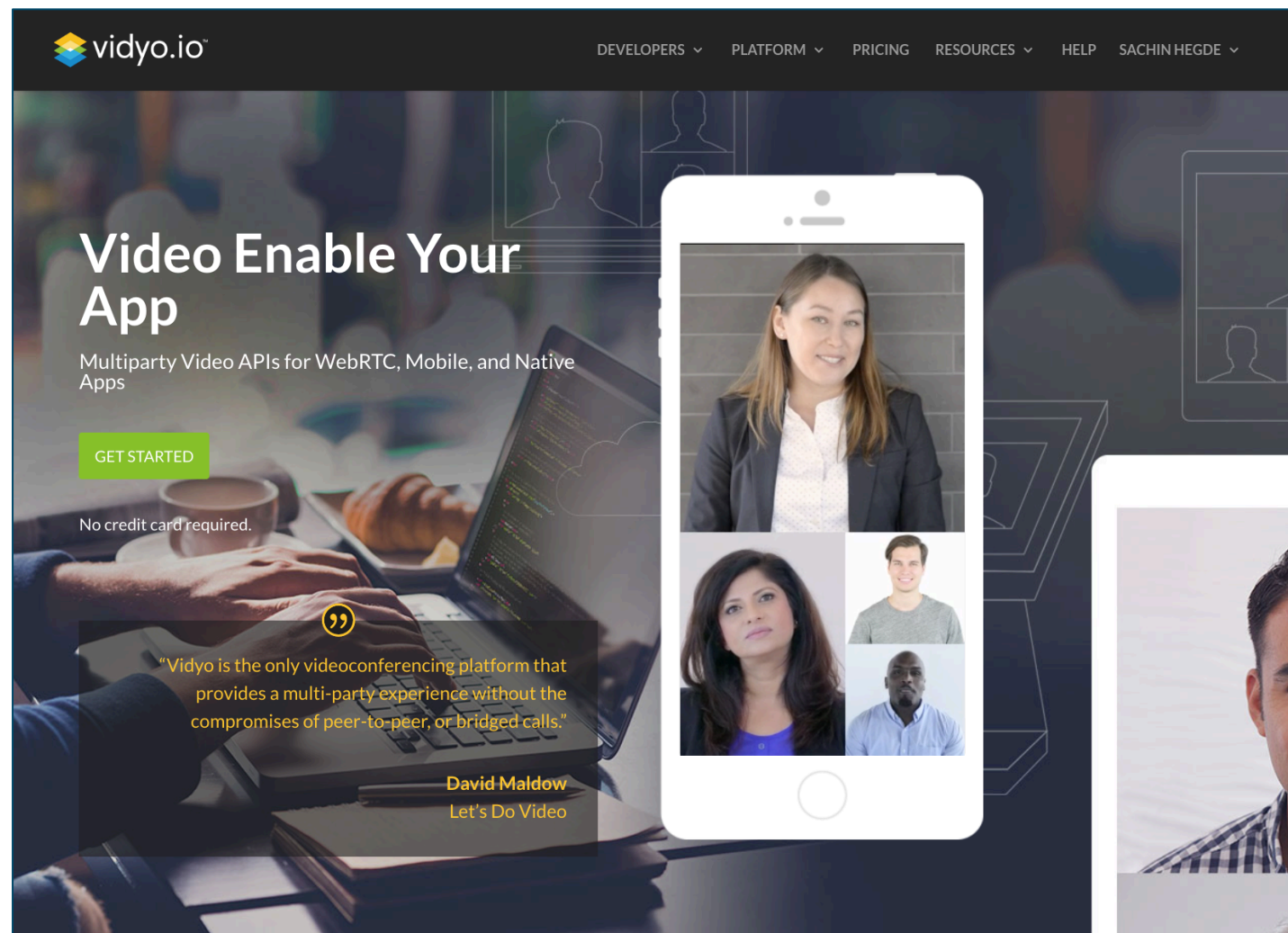
Steps to record vidyo.io conference

1. Download and install docker - <https://www.docker.com/get-docker>



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2. Create a vidyo.io account - <https://vidyo.io/>



Steps to record vidyo.io conference

1. Download and install docker - <https://www.docker.com/get-docker>
2. Create a vidyo.io account - <https://vidyo.io/>
3. Pull the media bridge image from docker repository and create container

```
$ docker pull vidyo/mediabridge  
$ docker run -d --name my_mediabridge vidyo/mediabridge
```

Steps to record vidyo.io conference

1. Download and install docker - <https://www.docker.com/get-docker>
2. Create a vidyo.io account - <https://vidyo.io/>
3. Pull the media bridge image from docker repository and create container
4. Create config file

```
#main video/audio settings
width=1280
height=720
fps=30
kbps=2000
layout=1
maxParticipants=8
overlay=1
videoCodec=H264
audioCodec=AAC
maxCallDuration=180

#Presentation settings
presentationAllowed=1
presWidth=1280
presHeight=720
presFps=5
presKbps=300
destination="flv:/opt/vidyo/recording.flv"

#vidyo.io connection info
resourceId="my_room"
token="GENERATED_TOKEN"
host="prod.vidyo.io"
```

Steps to record vidyo.io conference

1. Download and install docker - <https://www.docker.com/get-docker>
2. Create a vidyo.io account - <https://vidyo.io/>
3. Pull the media bridge image from docker repository and create container
4. Copy config file to docker container

```
$ docker cp config my_mediabridge:/opt/vidyo
```

Steps to record vidyo.io conference

1. Download and install docker - <https://www.docker.com/get-docker>
2. Create a vidyo.io account - <https://vidyo.io/>
3. Pull the media bridge image from docker repository and create container
4. Copy config file to docker container
5. Connect!

```
$ docker exec -d my_mediabridge /opt/vidyo/connect
```

Configuring for Streaming

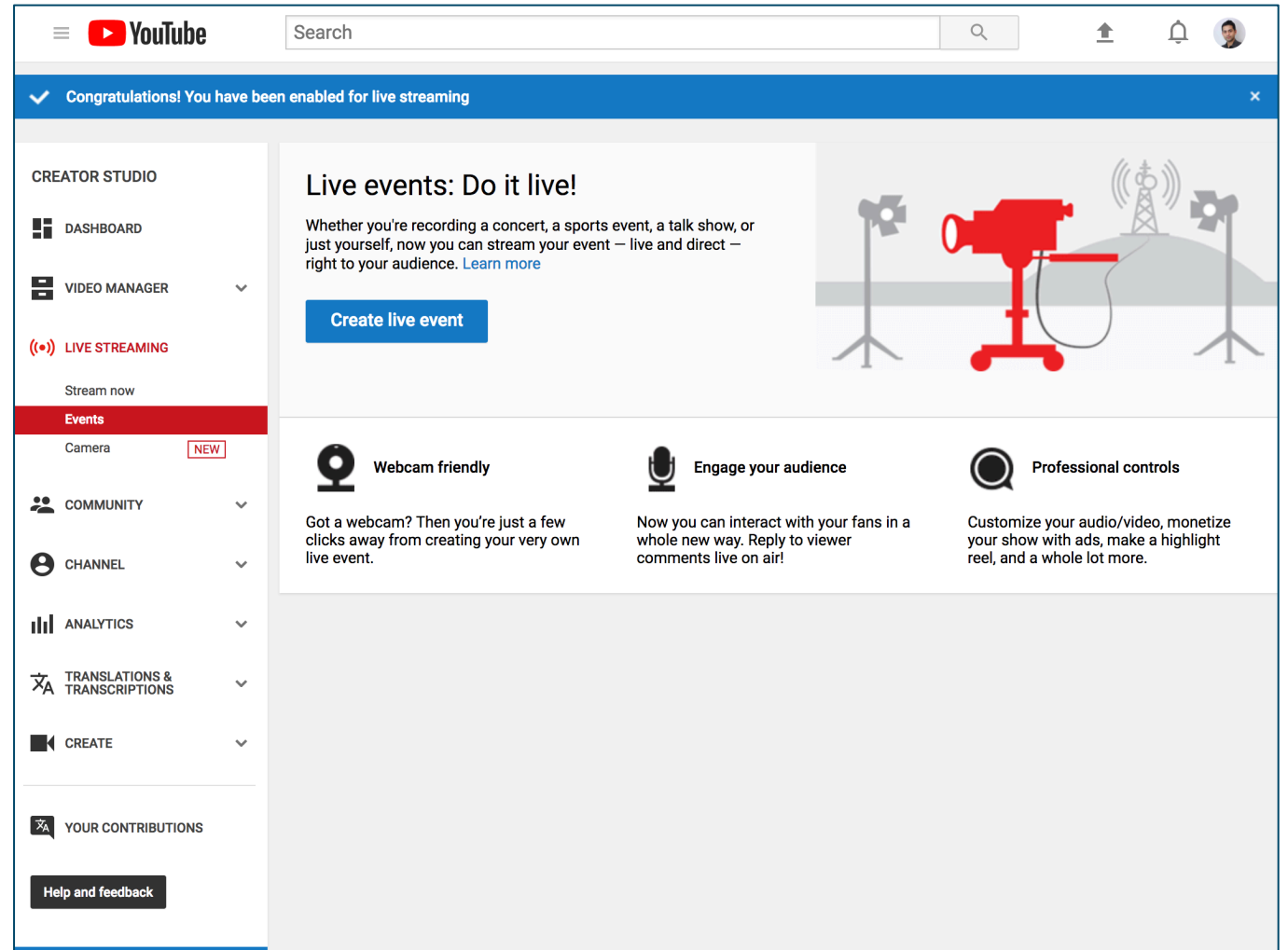
1. Use a streaming engine like youtube or wowza
2. Create an event/conference
3. Get the rtmp streaming URL
4. Update the destination field in config file to point to RTMP URL

```
#streaming example to youtube RTMP server
```

```
destination="rtmp://a.rtmp.youtube.com/live2/my_stream_name"
```

Youtube example

- Go to https://www.youtube.com/my_live_events
- Create an account if you don't have one
- Click on Create live event



Youtube example

- Provide information about your event
- Select type custom
- Click on Create event

My_Vidyo_Meetings

Cancel>Create event

Basic info

Advanced settings

My_Vidyo_Meetings

Today10:00 AMAdd end time

United States (GMT -08:00) PacificEdit

Description

Tags (e.g., albert einstein, flying pig, mashup)

Reminder: You have agreed that you own the rights to, have properly licensed, or otherwise have the right to use, all content you live stream (including any music content). [Learn more](#)

Public

Also share on☐

Add a message to your video

Type

☐ Quick (using Google Hangouts On Air) ?☒ Custom (more encoding options) ?

Some changes are not yet saved.

Cancel>Create event

Youtube example

- In the ingestion settings, for the main camera select – Reusable stream key
- Enter a name and select 1500 Kbps-4000 Kbps (720p)

Create stream

Name

116 character(s) remaining

Description

Maximum sustained bitrate that you can support:

1500 Kbps - 4000 Kbps (720p)

☐ Enable 60fps ?

Cancel

Save Changes

Youtube example

- Go to “Ingestion Settings”
- In “Other encoders” for select your encoder drop down
- Save your changes
- Note the Primary server URL and Stream Name
- Set the destination in your config file –

destination =rtmp://a.rtmp.youtube.com/live2/799t-rxe5-gub5-0p6g

Choose between a single-use or reusable stream key. Reusable keys are named and allow for easier next stream setup, recurring events, or simultaneous events of the same quality.

NEW You no longer need to specify the resolution and framerate for new stream keys.

- ☒ Single-use stream key
☐ Reusable stream key ?

Select your encoder

YouTube Live provides support for a variety of encoders. Select one of the encoder options below and follow the instructions.

Other encoders ▼

1. Configure your encoder

[Recommended bitrates and settings](#)

2. Copy and paste into your encoder

Enter the stream names and URLs in the configuration options of your encoding software.

Stream Name

799t-rxe5-gub5-0p6g

Primary Server URL

rtmp://a.rtmp.youtube.com/live2

Backup Server URL

rtmp://b.rtmp.youtube.com/live2?backup=1

3. Start your encoder

In your encoder, start sending us your video stream.

4. Go to the Live Control Room.

You can preview and start your event from the [Live Control Room](#).

Closed captions

If closed captions will be provided for this stream, please select an option before going live.

None ▼

Youtube example

1. Copy the config file and run the mediabridge

```
docker cp config my_mediabridge:/opt/vidyo
```

```
docker exec -d my_mediabridge /opt/vidyo/connect
```

My_Vidyo_Meeting

[Start Encoder](#) [Preview Stream](#) [You're Live!](#)

[▶ Preview](#) [Help](#)

☐ Sync to preview player ?

STREAM STATUS	January 11, 2018 at 10:10 AM (PST)	AVERAGE LIVE VIEW DURATION	00:00
GOOD	The health is good.	TOTAL VIEW TIME (HOURS)	0
720P STREAM		PEAK CONCURRENT	0

[Send feedback](#)

Notes and Tips

- Server config

Resolution	CPU	RAM
HD @ 720p (30fps)	2.2 GHz	2 GB
HD @ 1080p (30fps)	4.0 GHz	4 GB

- For production set log level to “warn” or “error”, “debug” or “full” only while debugging.
- One container per recording per streaming per SIP connection
- Spin up separate container for parallel recordings
- Create unique file names for each recordings
- For mode information checkout the documentaion at <https://vidyo.io>

Available Resources

- Documentation: <https://developer.vidyo.io/>
- FAQ Articles: <https://support.vidyo.io/>
- GitHub: <https://github.com/vidyo>
- StackOverflow: <https://stackoverflow.com/> (Please use "vidyo" tag)

Thank you!

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<https://vidyo.io>

Twitter - @Vidyo_io

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<https://github.com/vidyo>