

28. FFMPEG Encoder to EZserver

Install ffmpeg first by `ffmepg.sh` and use `udp.sh` to send video into ezserver.

1. Install ffmpeg as below:

- Login your server by putty
- `cd /root/ezserver_prof`
- `chmod 777 ffmpeg.sh`
- `./ffmpeg.sh`

After above steps, ffmpeg is installed in `/ezserver_prof/transcoder` folder.

2. Create new channel in EZserver Panel as below:

- Login EZserver Panel
- Click Channel button
- Define **Channel Name** and udp port
- The below example defines **Channel Name** : *robert* and **Medis Source** :
`udp://9001`

Channel	Channel Name	Media Source
1	robert	udp://9001
2	CTV	rtmp://213.205.104.131/f24_live/f24_live:

3. Change the below http url to your source url in `udp.sh` as below:

- `ffmpeg -i http://192.168.1.100:8001/1:0:1:135:2:1:5F0B1BF:0:0:0 -f mpegts
udp://127.0.0.1:9001?pkt_size=1316`

4. Send transcoding stream into EZserver as below:

- Login your server by putty
- `cd /root/ezserver_prof`
- `cd transcoder`
- `chmod 777 udp.sh`
- `./udp.sh`

5. Check channel status in EZserver Panel as below:

- Login EZserver Panel
- Click Channel button
- Check the channel status

More technical information for ffmpeg to ezserver as below:

■ WebCam or Capture Card Input and RTMP Output

- Define **Channel Name** and “rtmpencoder” keyword in Channel Management.
- The below example defines **Channel Name** : *robert* and **Medis Source** :
rtmpencoder

Channel	Channel Name	Media Source
1	robert	rtmpencoder
2	CTV	rtmp://213.205.104.131/f24_live/f24_live

- Use the below command to get the video/audio capture name from your window pc.
 - ◆ `ffmpeg -list_devices true -f dshow -i dummy`
- Rtmp command syntax is below:
 - ◆ `ffmpeg -f dshow -i video="video device name":audio="audio device name" -preset ultrafast -vcodec libx264 -b 300k -bt 300k -s 320x240 -acodec aac -ar 44100 -ab 128k -strict experimental -f flv rtmp://192.168.0.9/live/robert`

ex.

```
ffmpeg -f dshow -i video="USB2.0 Web Camera":audio="Realtek HD Audio Input" -preset ultrafast -vcodec libx264 -b 300k -bt 300k -s 320x240 -acodec aac -ar 44100 -ab 128k -strict experimental -f flv rtmp://192.168.0.9/live/robert
```

■ RTMP Input and RTMP Output

- Define **Channel Name** and “rtmpencoder” keyword in Channel Management.
- The below example defines **Channel Name** : *robert* and **Medis Source** :
rtmpencoder

Channel	Channel Name	Media Source
1	robert	rtmpencoder
2	CTV	rtmp://213.205.104.131/f24_live/f24_live

- Rtmp command syntax is below:
- `ffmpeg -i rtmp://input_server_ip:port/live/kid -preset ultrafast -vcodec libx264 -b 300k -bt 500k -s 720x480 -acodec aac -ar 44100 -ab 128k -strict experimental -f flv rtmp://ezserver_ip/live/robert`

ex.

```
ffmpeg -i rtmp://211.23.12.11:1935/live/kid -preset ultrafast -vcodec libx264 -b 300k -bt 500k -s 720x480 -acodec aac -ar 44100 -ab 128k -strict experimental -f flv rtmp://192.168.0.8/live/robert
```

■ RTMP input and UDP transport Stream Output

- Define **Channel Name** and udp port in Channel Management.
- The below example defines **Channel Name** : *robert* and **Medis Source** :
udp://9001

Channel	Channel Name	Media Source
1	robert	udp://9001
2	CTV	rtmp://213.205.104.131/f24_live/f24_live:

ex.

```
ffmpeg -i rtmp://211.23.12.11:1935/live/kid -preset ultrafast -vcodec libx264 -b 300k -bt 500k -s 720x480 -acodec aac -ar 44100 -ab 128k -strict experimental -f mpegts udp://192.168.0.8:9001?pkt_size=1316
```

■ RTMP Input and RTP transport Stream Output

- Define **Channel Name** and udp port in Channel Management.
- The below example defines **Channel Name** : *robert* and **Medis Source** : rtp://9001

Channel	Channel Name	Media Source
1	robert	rtp://9001
2	CTV	rtmp://213.205.104.131/f24_live/f24_live:

ex.

```
ffmpeg -i rtmp://211.23.12.11:1935/live/kid -preset ultrafast -vcodec libx264 -b 300k -bt 500k -s 720x480 -acodec aac -ar 44100 -ab 128k -strict experimental -f mpegts rtp://192.168.0.8:9001?pkt_size=1316
```