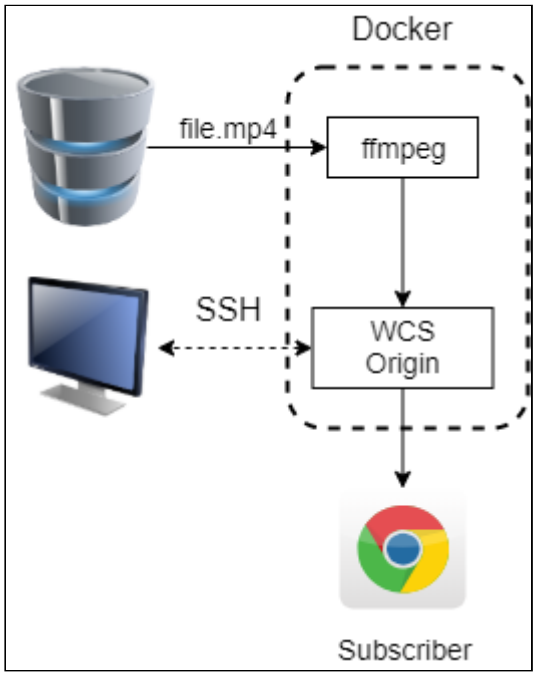
Quick start

Let's deploy the stand for testing one WCS server with default settings. Suppose Docker to be installed locally, and no need to access the containers from outside. RTMP publishing container will also be deployed.



To deploy the stand on Docker host, do the following:

1. Unpack the stand build archive

```
cd ~
tar -xzf WCSTestStand-1.XXX.tar.gz
```

2. Edit main stand configuration file `stand.conf/wcs-stand.conf`

```
#!/usr/bin/env bash

CONTAINER_PREFIX=wcs-test-stand
IMAGE_PREFIX=wcs_test_stand

# Docker network parameters
DOCKER_NETWORK=bridge

# Stand nodes
CDN_NODES=o-test
CDN_ENTRY_POINT=o-test
FFMPEG_NODE=ffmpeg-test
```

```
# Product installation path
WCS_PATH=/usr/local/FlashphonerWebCallServer
```

3. Make WCS node configuration folder

```
cd ~/WCSTestStand-1.XXX/stand.conf
mkdir o-test
cd o-test
touch node.conf
```

4. Edit WCS node configuration file, set your license and latest WCS build number

```
#!/usr/bin/env bash

NODE_IP=""
NODE_PORTS=22,554,1935,8080-8084,8443-8445,8888,9091,20000-
60000/tcp,20000-60000/udp
JAVA_VERSION=8
JAVA_GC=CMS
JAVA_HEAP=2g
WCS_LICENSE="XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX"

PRODUCT_LINK="https://flashphoner.com/downloads/builds/WCS/5.2/FlashphonerWe
5.2.XXX.tar.gz"
```

5. Make RTMP publishing node configuration folder

```
cd ~/WCSTestStand-1.XXX
mkdir ffmpeg-test
cd ffmpeg-test
touch node.conf
```

6. Edit RTMP publishing node configuration file

```
#!/usr/bin/env bash

NODE_IP=""
NODE_PORTS=22
MEDIA_MOUNT=/opt/media
```

7. Copy media file to be published to RTMP publishing node configuration folder

```
cp ~/Videos/file.mp4 ~/WCSTestStand-1.XXX/ffmpeg-test
```

8. Copy public access key to ssh folder

```
cp ~/.ssh/id_rsa.pub ~/WCSTestStand-1.XXX/ssh
```

9. Build docker images

```
cd ~/WCSTestStand-1.XXX/images
chmod +x build.sh
sudo ./build.sh
cd ..
```

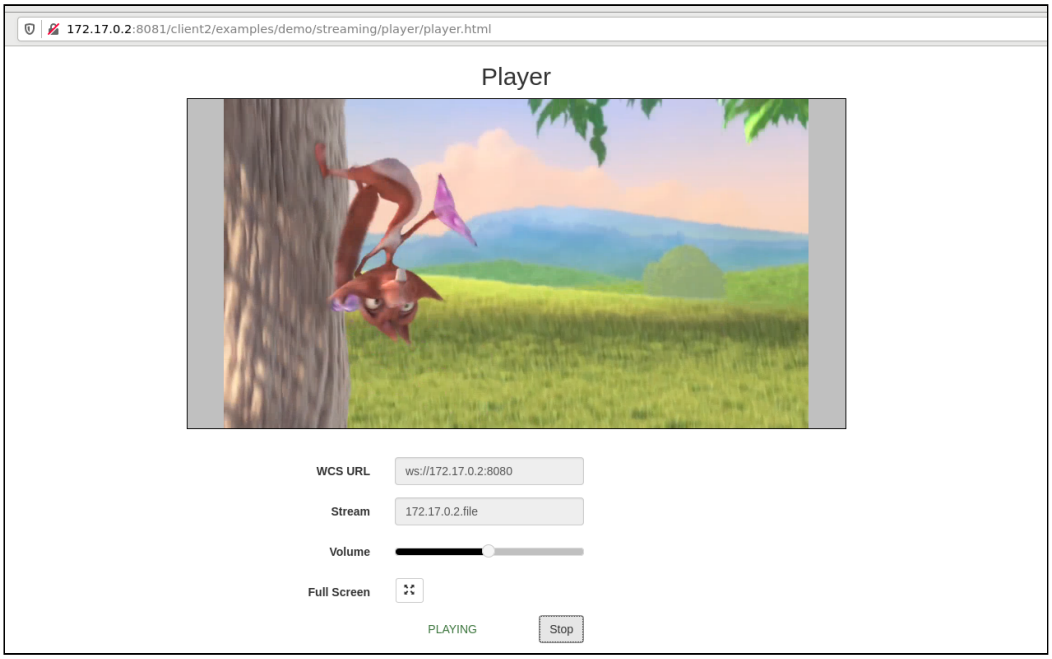
10. Start the stand

```
sudo ./wcs-stand start all
```

11. Remember stand nodes dynamic IP addresses

```
Starting WCS container...
> Container wcs-test-stand-o-test started (IP: 172.17.0.2)
...
Starting wcs-test-stand-ffmpeg-test container to publish RTMP streams...
> Container wcs-test-stand-ffmpeg-test started (IP: 172.17.0.3)
```

12. Open `Player` example page in browser and enter the stream name `172.17.0.2.file`, where
    - `172.17.0.2` - WCS container address
    - `file` - media file name (see step 7) without mp4 extension



The stand is ready to local test.