Instations and test

We worked on system: Ubuntu 18.04/16.04

1.install docker

apt install docker

apt install docker.io

2.set proxy

declare -x http\_proxy="http://child-prc.intel.com:913"

declare -x https\_proxy="http://child-prc.intel.com:913"

printf '[Service]\nEnvironment="HTTPS\_PROXY=http://child-prc.intel.com:913" "NO\_PROXY=hub.docker.intel.com,localhost"\n' | sudo tee /etc/systemd/system/docker.service.d/proxy.conf

sudo systemctl daemon-reload

sudo systemctl restart docker

3. build docker images

Download vcse-cdn packages

On E5 Server, run below command to build docker images:

/home/vcse-cdn

mkdir build

cd build && cmake ..

cd xcode-server/ffmpeg && make

cd cdn-server/nginx+rtmp && make

ctest

4. Create docker

Run below command on E5 server:

docker network create -d bridge --subnet 192.168.31.0/24 --gateway 192.168.31.1 my\_bridge

Run transcoder server docker:

docker run -dit --device=/dev/dri:/dev/dri --network=my\_bridge --ip 192.168.31.31 --name xcoder xeon-ubuntu1804-ffmpeg:1.0 /bin/bash

创建了一个docker用于将主文件与docker文件共享

docker run -dit -v /home/common/:/media -p 410:410 -p 2410:2410 --network=my\_bridge --ip 192.168.31.41 --name nginx-zwl-41  xeon-ubuntu1804-nginx-rtmp:1.0 /bin/bash

Run CDN server docker:

docker run -it --device=/dev/dri:/dev/dri -p 80:80 --network=my\_bridge --name nginx xeon-ubuntu1804-nginx-rtmp:1.0 /bin/bash

nginx &

5. test command:

Run transcoder server docker:

ffmpeg -re -stream\_loop 500 -i Nature.mp4 -c:v copy -an -f flv rtmp://10.67.117.70/live/nature

ffmpeg -re -stream\_loop 500 -i Nature.mp4 -c:v copy -an -f flv rtmp:// 192.168.31.41/stream/nature

Run CDN server docker:

ffmpeg -i rtmp://10.67.117.70/live/nature -c:v libsvt\_hevc -f flv rtmp://192.168.31.32/hls/nature -c:v libsvt\_hevc -f flv rtmp://192.168.31.32/dash/nature

注：

经常使用的命令

Dockers：

Nginx & ：运行nginx

Docker ps 查看运行的docker

Docker attach 编号：进入docker

Docker Ctr+p+q 退出docker

切换用户名：

Sudo su

查看设置的代理

Export

Ps –ef |grep 进程号或者是 进程名

创建了一个docker用于将主文件与docker文件共享

docker run -it -v /home/common/:/media -p 410:410 -p 2410:2410 --network=my\_bridge --ip 192.168.31.41 --name nginx-zwl-41  xeon-ubuntu1804-nginx-rtmp:1.0 /bin/bash