

# 南昌大学实验报告

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课程名称：云计算

## 实验项目名称

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Lab 8 Introduction to Cloud Computing -- Cloudlet

## 实验目的

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## 实验基础

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- <http://elijah.cs.cmu.edu/>
- <https://github.com/cmusatyalab/faceswap>
- <https://hub.docker.com/r/chaunce/ci-android/>

# 实验步骤

## 1. 阅读实验基础中的内容



## 2. 拉取<https://github.com/cmusatyalab/faceswap>中给出的镜像

```
wget https://storage.cmusatyalab.org/faceswap/faceswap-server-release.qcow
```

```
root@vps-sfo181022:~/lab8# wget https://storage.cmusatyalab.org/faceswap/faceswap-server-release.qcow
--2019-05-26 14:09:59-- https://storage.cmusatyalab.org/faceswap/faceswap-server-release.qcow
Resolving storage.cmusatyalab.org (storage.cmusatyalab.org)... 128.2.209.93
Connecting to storage.cmusatyalab.org (storage.cmusatyalab.org)|128.2.209.93|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 8101036032 (7.5G) [application/octet-stream]
Saving to: 'faceswap-server-release.qcow'

faceswap-server-release.qcow 100%[=====>] 7.54G 2.13MB/s in 61m 32s

2019-05-26 15:11:32 (2.09 MB/s) - 'faceswap-server-release.qcow' saved [8101036032/8101036032]
```

## 3. 选择docker hub 中安卓环境镜像<https://hub.docker.com/r/chaunce/ci-android/>

```
docker pull chaunce/ci-android
```

```
root@vps-sfo181022:~/22# docker pull chaunce/ci-android
Using default tag: latest
latest: Pulling from chaunce/ci-android
5a132a7e7af1: Pull complete
fd2731e4c50c: Pull complete
28a2f68d1120: Pull complete
a3ed95caeb02: Pull complete
d12b65eee73b: Pull complete
86bca997bfa5: Pull complete
ab9b05cad0d0: Pull complete
b2cb9c7a989d: Pull complete
3f1f311bbf1c: Pull complete
Digest: sha256:ded8e26c44527df01999cc2614999003df065ec0f2cf74f305a971485c14317
Status: Downloaded newer image for chaunce/ci-android:latest
```

## 4. 下载faceswap-server.xml

```
wget https://raw.githubusercontent.com/cmusatyalab/faceswap/master/server/kvm/faceswap-server.xml
```

```
root@vps-sfo181022:~/22# wget https://raw.githubusercontent.com/cmusatyalab/faceswap/master/server/kvm/faceswap-server.xml
--2019-05-26 14:53:41-- https://raw.githubusercontent.com/cmusatyalab/faceswap/master/server/kvm/faceswap-server.xml
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 151.101.188.133
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|151.101.188.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1166 (1.1K) [text/plain]
Saving to: 'faceswap-server.xml'

faceswap-server.xml 100%[=====>] 1.14K --.-KB/s in 0s

2019-05-26 14:53:41 (138 MB/s) - 'faceswap-server.xml' saved [1166/1166]

root@vps-sfo181022:~/22# ls
faceswap-server.xml
root@vps-sfo181022:~/22#
```

## 5. 修改faceswap-server.xml 把地址改成faceswap-server-release.qcow所在地址

```
root@vps-sfo181022:~/22
<domain type='kvm' xmlns:qemu='http://libvirt.org/schemas/domain/qemu/1.0'>
  <name>faceswap-server</name>
  <uuid>c7a5fdbd-cdaf-9455-926a-d65c16db1802</uuid>
  <memory>4194304</memory>
  <currentMemory>4194304</currentMemory>
  <cpu mode='custom' match='exact'>
    <model fallback='forbid'>SandyBridge</model>
    <topology sockets='1' cores='4' threads='1' />
  </cpu>
  <vcpu>4</vcpu>
  <os>
    <type arch='x86_64' machine='pc-i.0'>hvm</type>
  </os>
  <devices>
    <emulator>/usr/bin/qemu-system-x86_64</emulator>
    <disk type='file' device='disk'>
      <driver name='qemu' type='qcow2' />
      <source file='/lab8/faceswap-server-release.qcow2' />
      <target dev='vda' bus='virtio' />
    </disk>
    <graphics type='vnc' port='-1' autoport='yes' keymap='en-us' listen='127.0.0.1' />
    <interface type='user'>
      </interface>
    </devices>
  </features>
  <acpi />
  </features>
  <qemu:commandline>
    <qemu:arg value='--redir' />
    <qemu:arg value='tcp:9098::9098' />
    <qemu:arg value='--redir' />
    <qemu:arg value='tcp:9101::9101' />
    <qemu:arg value='--redir' />
    <qemu:arg value='tcp:20022::22' />
  </qemu:commandline>
</domain>
~
```

## 6.

# 实验数据或结果

如上

# 实验思考

# 参考资料