

# Android 4.0 SDK for YF810

## Kloud Development

### 1. Hardware requirement:

Intel i3 + 8GB RAM + 16GB swap memory ( compile takes 2-3 hours)

Intel E8400 + 2GB RAM + 16GB swap memory (compile takes 6-7 hours)

Intel i7 + 16 GB RAM + 32GB swap memory + SATA III + RAID 0 would be perfect (not test yet)

### 2. OS requirement:

Ubuntu 10.04 LTS (32/64) Desktop or Server

Please download from <http://old-releases.ubuntu.com/releases/10.04/>

### 3. How to setup the SDK environment:

Ubuntu 10.04 32bit

```
./install-810-sdk-32bit.sh
```

Ubuntu 10.04 64bit

```
./install-810-sdk-64bit.sh
```

\* This SDK is the beta version (for test only)

## After setup and install SDK

```
#cd 4.0_SDK  
#./build.sh
```

wait for compile time depends on your hardware spec

**You can try with different OS such as Debian or Ubuntu 11.04, or you can also use the chroot command to switch from your exist environment to Ubuntu 10.04**

### Step 1.

you can download the 10.04 template from  
<http://download.openvz.org/template/precreated/ubuntu-10.04-x86.tar.gz>

### Step 2.

```
mkdir rootfs  
cd rootfs
```

```
#install ubuntu 10.04 to your system  
sudo tar xvzf /DOWNLOAD_PATH/ubuntu-10.04-x86.tar.gz
```

```
#use chroot to change root from your exist OS to ubuntu 10.04  
sudo chroot .
```

```
#mount proc to /proc  
mount -t proc proc /proc
```

```
#add nameserver  
echo "nameserver 8.8.8.8" > /etc/resolv.conf
```

```
#change apt source  
cd /etc/apt/  
vim sources.list
```

change to below URL:

deb <http://tw.archive.ubuntu.com/ubuntu/> lucid universe

deb-src <http://tw.archive.ubuntu.com/ubuntu/> lucid universe

deb <http://tw.archive.ubuntu.com/ubuntu/> lucid-updates universe

deb-src <http://tw.archive.ubuntu.com/ubuntu/> lucid-updates universe

#update apt source

apt-get update

**You got the Ubuntu 10.04 environment now**