Exynos4210 S5PV310 Mango310 Android Initializing a Build Environment On ubuntu 12.04

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Document History

Revision	Date	Change note

1.	Intitializing a Build Environment On ubuntu12.04		
	1.1.	Installing required packages (Ubuntu 12.04) 오류! 책갈피가 정의되어 있지 않습니다.	
	1.2.	Install Tool Chain4	
	1.2.1.	Arm-2009q3 (mango210,mango100용). 오류! 책갈피가 정의되어 있지 않습니다.	
	1.3.	Setting up ccache	
	1.4.	GCC Setting	
	1.5.	Java6 jdk install	

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1. Intitializing a Build Environment On ubuntu12.04

안드로이드 환경 구성은 아래 url을 참고로 작성하였습니다. http://source.android.com/source/initializing.html

1.1. Installing required packages (Ubuntu 12.04)

Building on Ubuntu 12.04 is currently only experimentally supported and is not guaranteed to work on branches other than master.

\$ sudo apt-get install git-core gnupg flex bison gperf build-essential ₩
zip curl libc6-dev libncurses5-dev:i386 x11proto-core-dev ₩
libx11-dev:i386 libreadline6-dev:i386 libgl1-mesa-dev:i386 ₩
g++-multilib mingw32 openjdk-6-jdk tofrodos python-markdown ₩
libxml2-utils xsltproc zlib1g-dev:i386

sudo apt-get install gcc-multilib sudo apt-get install libc6-dev-i386 sudo apt-get install ia32-libs sudo apt-get install lib32z-dev sudo apt-get install libusb-dev:i386

1.2. Install Tool Chain

\$ cd /opt

\$ sudo wget <u>http://crztech.iptime.org:8080/Release/Toolchain/arm-2009q3-67-arm-none-linux-gnueabi-i686-pc-linux-gnu.tar.bz2</u>

\$ sudo tar xvf arm-2009q3-67-arm-none-linux-gnueabi-i686-pc-linux-gnu.tar.bz2

1.3. Setting up ccache

"~/.bashrc" 수정

export USE_CCACHE=1

```
안드로이드 소스 디렉토리에서 아래와 같이 수행
```

\$ prebuilt/linux-x86/ccache/ccache -M 50G

1.4. GCC Setting

```
$ sudo apt-get install gcc-4.5 g++-4.5 build-essential gcc-4.5-multilib g++-4.5-multilib
$ sudo apt-get install gcc-4.5 g++-4.4 build-essential gcc-4.4-multilib g++-4.4-multilib
$ sudo update-alternatives --install /usr/bin/gcc gcc /usr/bin/gcc-4.6 40 \#
--slave /usr/bin/g++ g++ /usr/bin/g++-4.6
$ sudo update-alternatives --install /usr/bin/gcc gcc /usr/bin/gcc-4.5 60 \#
--slave /usr/bin/g++ g++ /usr/bin/g++-4.5
$ sudo update-alternatives --install /usr/bin/gcc gcc /usr/bin/gcc-4.4 80 \#
--slave /usr/bin/g++ g++ /usr/bin/g++-4.4
$ sudo update-alternatives --install /usr/bin/gcc gcc /usr/bin/gcc-4.4 80 \#
--slave /usr/bin/g++ g++ /usr/bin/g++-4.4
$ sudo update-alternatives --install /usr/bin/gcc gcc /usr/bin/gcc-4.4 80 \#
--slave /usr/bin/g++ g++ /usr/bin/g++-4.4
$ sudo update-alternatives --config gcc
```

1.5. Java6 jdk install

아래 글은 tgz로 받아서 압축 푸는 방법으로 하세요.

JDK 버전 1.6.0_26 http://www.oracle.com/technetwork/java/javase/downloads/jdk-6u26-download-400750.html 에서 다운로드

\$ sudo ./jdk-6u26-linux-x64.bin
\$ sudo mkdir /opt/java
\$ sudo mv jdk1.6.0_26 /opt/java/

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