

## Build Cross-Compile environment on Debian

OS: Debian 5.0.8

Add a repository for Debain-Base

```
deb http://ftp.isu.edu.tw/pub/Linux/Debian/debian/ lenny main contrib non-free
deb-src http://ftp.isu.edu.tw/pub/Linux/Debian/debian/ lenny main contrib non-free
```

Install required packages

```
apt-get install build-essential dpkg-dev libncurses5-dev dpkg-cross distcc tree file
```

Add a repository for toolchain

```
deb http://download.si-linux.co.jp/debian-sh/lenny-sh4/toolchain/ ./
```

Install Cross Compiler

```
apt-get install gcc-4.3-sh4-linux-gnu gcc-4.3-sh4-linux-gnu-base g++-4.3-sh4-linux-gnu
cpp-4.3-sh4-linux-gnu
```

????

```
/etc/network/interfaces?
```

```
auto lo eth0 eth0:1
```

```
iface lo inet loopback
```

```
iface eth0 inet dhcp
```

```
iface eth0:1 inet static
```

```
    address 192.168.199.199
```

```
    netmask 255.255.255.0
```

```
    network 192.168.199.0
```

```
    broadcast 192.168.199.255
```

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```
http://linux.koolsolutions.com/2009/...system-part-1/
```

???????

```
# rm -rf /usr/share/doc/
```

```
# rm -rf /usr/share/doc-base/
```

```
# dpkg --purge man-db manpages
```

```
# rm -rf /usr/share/man/
```

????

- Cross Compile
  - ? <http://wiki.debian.org/BuildingCrossCompilers>
  - ? <http://wiki.debian.org/SH4>
  - ? <http://www.si-linux.co.jp/wiki/silin...AD%C0%DF%C4%EA>
  - ? <http://psas.pdx.edu/DebianCrossCompilerHowto/>
  - ? [SuperH Linux & Open Source @ Renesas](#)
- FTP
  - ? <http://www.si-linux.co.jp/pub/debian-sh/lenny-sh4/>
  - ? <http://www.si-linux.co.jp/pub/debian-sh/squeeze-sh4/>
  - ? <http://debian-sh4.nigauri.org/cross-compiler/bin/>