

- [?? STLinux Cross-Compile Enviroment\(??????\) ? Ubuntu](#)

??????(??)

- ??????????????? USB DOM Flash?????????????? NAND Flash???? console ??? /dev/sdaX ?????????? Linux ??????????????
- ??? 8GB ? USB DOM ??? 4 ?????
  1. /dev/sda1  
??? 300MB????? / (???)???????????????? Rest ?????????????????? /dev/sda2 ??????????
  2. /dev/sda2  
??? 300MB????? / (???)???????????????? Reset ???
  3. /dev/sda3  
??? 6GB????? /mnt/usb??? Rest ??????????????????
  4. /dev/sda4  
??? 880MB????? ??????????
- ???/??????????? USB ??????
  - ?? > ?? USB ??? > ??
  - ?? USB ?????????? firmware ? target.enc?? /dev/sda1 ???????????????????
  - "????"???????? telnet ???????? /dev/sda2 ??????????????????????????

**Welcome on Console**

```
=====
/ _ \ / _ \ / _ \ | | | |
| | | ( _ | ( _ | | _ _ | |
| | | \ _ \ \ _ \ | | / _ \ | _ \
| | | | _ ) | _ ) | | | ( | | ) |
\ _ \ / _ \ / _ \ / _ \ \ _ \ | _ \
```

OSSLab - NextPBX  
 (created by alang)  
<http://nextpbx.osslab.com.tw>

=====

Welcome!

More Samples:

```
echo -e "
CPU: `grep -m 1 "model name" /proc/cpuinfo | cut -d: -f2 | sed -e 's/^ *//' | sed -e 's/$/ /'` with `grep
"processor" /proc/cpuinfo | wc -l` Cores
Uptime: `uptime | sed 's/.*up ([^,]*), .* /1/'`
Memory: `free -t -m | grep "buffers/cache" | awk '{ print $3" MB";}'` / `free -t -m | grep "Mem" | awk '{
print $2" MB";}'`
```

```
Hostname: `hostname`
Kernel: `uname -r`
```

```
IP Address: `sbin/ifconfig eth0|grep 'inet addr'|cut -d':' -f2|awk '{print $1}'`
```

```
Last Login: `last | grep -v "still logged in" | head -1`
```

```
"
```

Output:

```
CPU: Intel(R) Xeon(R) CPU X5570 @ 2.93GHz with 1 Cores
```

```
Uptime: 14:00:24 up 4 days, 20:55, 1 user, load average: 2.93, 1.72, 1.22
```

```
Memory: 117 MB / 1002 MB
```

```
Hostname: armcc
```

```
Kernel: 2.6.32-33-generic
```

```
IP Address: 192.168.7.57
```

```
Last Login: alang pts/0 mailx.gttw.com.t Wed Dec 26 11:32 - 11:52 (00:19)
```

reference links:

- <http://parkersamp.com/2010/10/howto-...motd-in-linux/>
- [http://www.mewbies.com/how\\_to\\_custom...e\\_tutorial.htm](http://www.mewbies.com/how_to_custom...e_tutorial.htm)

Console ??

????????? df, mount, uname, free

```

STMMicroelectronics Base Distribution version 2.3
Linux/sh4 2.6.23.17_stm23_A18B-PDK7105-32BITS-A18B

sh-3.00# uname -a
Linux (none) 2.6.23.17_stm23_A18B-PDK7105-32BITS-A18B #3 PREEMPT Mon Nov 8 14:21:27 CST 2010 sh4 unk
now
sh-3.00# df -h
Filesystem      Size      Used Available Use% Mounted on
/dev/sda2       291.9M    100.6M    185.2M   35% /
/dev/sda3        6.0G      4.7G      1.3G    78% /mnt/usb
sh-3.00# mount
rootfs on / type rootfs (rw)
/dev/root on / type ext3 (rw,data=journal)
proc on /proc type proc (rw)
none on /dev/pts type devpts (rw)
sysfs on /sys type sysfs (rw)
/dev/sda3 on /mnt/usb type ext3 (rw,nosuid,nodev,noexec,data=ordered)
sh-3.00# free
              total        used         free       shared    buffers
Mem:           100272         51096         49176           0         7784
Swap:              0              0              0
Total:          100272         51096         49176
sh-3.00#

```

cat /proc/cpuinfo

```
sh-3.00#  
sh-3.00# cat /proc/cpuinfo  
machine       : pdk7105  
processor     : 0  
cpu family    : sh4  
cpu type     : STx7105  
cpu           : 3.x  
cpu flags    : fpu icbi synco fpchg  
cache type   : split (harvard)  
icache size  : 32KiB (2-way)  
dcache size  : 32KiB (2-way)  
bogomips     : 445.44  
sh-3.00# █
```

cat /proc/meminfo

```
dcache size   : 32KiB (2-way)  
bogomips     : 445.44  
sh-3.00# cat /proc/meminfo  
MemTotal:    100272 kB  
MemFree:     48336 kB  
Buffers:     8380 kB  
Cached:      25816 kB  
SwapCached:   0 kB  
Active:      14052 kB  
Inactive:    26260 kB  
SwapTotal:    0 kB  
SwapFree:    0 kB  
Dirty:        20 kB  
Writeback:    0 kB  
AnonPages:   6132 kB  
Mapped:      7736 kB  
Slab:        4740 kB  
SReclaimable: 916 kB  
SUnreclaim: 3824 kB  
PageTables:  268 kB  
NFS_Unstable: 0 kB  
Bounce:      0 kB  
CommitLimit: 50136 kB  
Committed_AS: 253668 kB  
VmallocTotal: 507880 kB  
VmallocUsed: 19728 kB  
VmallocChunk: 487260 kB  
sh-3.00#
```

fdisk -l

```

sh-3.00#
sh-3.00# fdisk -l

Disk /dev/sda: 8027 MB, 8027897856 bytes
160 heads, 19 sectors/track, 5157 cylinders
Units = cylinders of 3040 * 512 = 1556480 bytes

   Device Boot      Start         End      Blocks   Id  System
/dev/sda1            1           203     308550+   83  Linux
/dev/sda2            204          406     308560    83  Linux
/dev/sda3            407         4546    6292800    83  Linux
/dev/sda4           4547         5139     901360    83  Linux
sh-3.00# █

```

????

- [PTT] [\[??\] ?????](#)  
?????? firmware ??? target.tgz ??????
- [???? ????](#)
- [STLinux ??](#)
- [u-boot-sh4-1.3.1 stm23 0045](#)
- [nexttv-mod U-Boot ? Kernel](#)
- <http://iamhahar.blogspot.tw/2012/08/blog-post.html>
- <http://neture.homeip.net/digiland/vi...c.php?pid=9048>
- <http://jchuang1977.pixnet.net/blog/p...80%B2%E5%BA%A6>
- <http://stevennick.pixnet.net/blog>
- <http://www.twpda.com/>
- ??????? <http://www.mediafire.com/?tfx7iibtwiwix>