

# walk

## [TS-WXL](#)

Now that the farm is up to date and we have made it possible to log in as root, we're finally strolling inside.

BUFFALO INC. TeraStation series

```
TS-WXL3B3 login: root
Last login: Mon Jan 25 23:57:31 +0900 2010 on pts/0.
No mail.
root@TS-WXL3B3:~#
```

## uname -a

```
root@TS-WXL3B3:~# uname -a
Linux TS-WXL3B3 2.6.22.18-mv78100 #8 Tue Nov 24 17:08:18 JST 2009 armv5tej1 unknown
root@TS-WXL3B3:~#
```

## version

```
root@TS-WXL3B3:~# cat /proc/version
Linux version 2.6.22.18-mv78100 (root@build2.dd-hot24.nas.buffalo.local) (gcc version 4.2.0 20070413 (prerelease)) #8 Tue Nov 24 17:08:18 JST 2009
root@TS-WXL3B3:~#
```

## cpuinfo

```
root@TS-WXL3B3:~# cat /proc/cpuinfo
Processor       : ARM926EJ-S rev 0 (v5l)
BogoMIPS        : 956.82
Features        : swp half thumb fastmult vfp edsp
CPU implementer : 0x41
CPU architecture: 5TE
CPU variant     : 0x1
CPU part        : 0x926
CPU revision    : 0
Cache type      : write-back
Cache clean     : cp15 c7 ops
Cache lockdown  : format C
Cache format    : Harvard
I size          : 32768
I assoc         : 4
I line length   : 32
I sets          : 256
D size          : 32768
D assoc         : 4
D line length   : 32
D sets          : 256
```

```
Hardware: Feroceon-MV78XX0
Revision   : 0000
Serial     : 0000000000000000
root@TS-WXL3B3:~#
```

BogoMIPS between 956  
LS-XHL 1200 and LS-CHL 600.  
But what is not 800 is overclocked? ? ?

## meminfo

```
root@TS-WXL3B3:~# cat /proc/meminfo
MemTotal: 514820 kB
MemFree: 453092 kB
Buffers: 2228 kB
Cached: 35052 kB
SwapCached: 0 kB
Active: 20396 kB
Inactive: 24948 kB
SwapTotal: 999864 kB
SwapFree: 999864 kB
Dirty: 284 kB
Writeback: 0 kB
AnonPages: 7436 kB
Mapped: 5616 kB
Slab: 11916 kB
SReclaimable: 1556 kB
SUnreclaim: 10360 kB
PageTables: 556 kB
NFS_Unstable: 0 kB
Bounce: 0 kB
```

CommitLimit: 1257272 kB  
Committed\_AS: 33552 kB

VmallocTotal: 647168 kB  
VmallocUsed: 1476 kB  
VmallocChunk: 645628 kB  
root@TS-WXL3B3:~#

## Many more

```
root@TS-WXL3B3:/proc# cd buffalo/
root@TS-WXL3B3:/proc/buffalo# ls
board_info  cpu_status  enet        gpio        micon       power_sw    umsg
booting     debug       firmware    core        miconint_en right ups
root@TS-WXL3B3:/proc/buffalo# cat board_info
BoardId=51
BoardName=DB-MV78100-A-BP-BUFFALO
root@TS-WXL3B3:/proc/buffalo# cat booting
0
root@TS-WXL3B3:/proc/buffalo# cat cpu_status
normal_state
root@TS-WXL3B3:/proc/buffalo# cat debug
GPP_DATA_OUT_REG(0) = 0xc0208009
GPP_DATA_OUT_EN_REG (0) = 0x06dfcf00
GPP_BLINK_EN_REG (0) = 0x00000000
GPP_DATA_IN_POL_REG(0)= 0x000ec000
GPP_DATA_IN_REG(0) = 0xc0f00009
GPP_INT_CAUSE_REG(0) = 0xffff0fff
GPP_INT_MASK_REG(0) = 0x00000000
GPP_INT_LVL_REG(0) = 0x000f4000
MPP Control 0 = 0x22222222
MPP Control 1 = 0x00552222
MPP Control 2 = 0x00000000
MPP Control 3 = 0x00504444
MPP Control 4 = 0x00001111
MPP Control 5 = 0x00000000
root@TS-WXL3B3:/proc/buffalo# cat enet
[eth0]
MAC=00:1D:73:E7:23:B3
link=1000Mbps
duplex=full
jumboframe=enable
person = 1500

[eth1]
MAC=00:1D:73:E7:23:B4
link=0Mbps
duplex=half
jumboframe=enable
person = 1500

root@TS-WXL3B3:/proc/buffalo# cat firmware
SERIES=TeraStation
PRODUCTNAME=TS-WXL(tsukuba)
VERSION=0.16
SUBVERSION=FLASH 0.00
PRODUCTID=0x0000200C
BUILDDATE=2009/11/24 16:52:32
BOATVER = 2.07
root@TS-WXL3B3:/proc/buffalo# cat power_sw
root@TS-WXL3B3:/proc/buffalo# cat micon
on
root@TS-WXL3B3:/proc/buffalo# cat miconint_en
MIntAct
root@TS-WXL3B3:/proc/buffalo# cat kernevt

root@TS-WXL3B3:/proc/buffalo# df
Filesystem      1k-blocks      Used Available Use% Mounted on
/dev/md1         4921404       520800   4150608   11% /
/dev/ram1        15360         160     15200    1% /mnt/ram
/dev/md0         991928       167284   824644   17% /boot
/dev/disk1_6     473337664     592 473337072    0% /mnt/disk1
root@TS-WXL3B3:/proc/buffalo# cat /proc/mdstat
Personalities : [raid0] [raid1] [raid6] [raid5] [raid4]
md1 : active raid1 sda2[0]
      4999936 blocks [2/1] [U_]

md10 : active raid1 sda5[0]
      999872 blocks [2/1] [U_]

md0 : active raid1 sda1[0]
      999872 blocks [2/1] [U_]

unused devices:
root@TS-WXL3B3:/proc/buffalo#
```

## /boot

```
root@TS-WXL3B3:/proc/buffalo# ls -l /boot
-rw-r--r-- 1 root root 20 Nov 18 11:01 builddate.txt
```

```
-rw-r--r-- 1 root root 23942 Jan 26 00:10 conf_save.tgz
-rw-r--r-- 1 root root 134466605 Dec 3 23:20 hddrootfs.buffalo.updated.done

-rw-r--r-- 1 root root 9291489 Dec 3 23:18 initrd.buffalo
-rw-r--r-- 1 root root 404368 Nov 18 10:42 u-boot-88f6281.buffalo
-rw-r--r-- 1 root root 480908 Nov 18 10:42 u-boot-mv78100.buffalo
-rw-r--r-- 1 root root 480908 Nov 18 10:42 u-boot.buffalo
-rw-r--r-- 1 root root 480868 Sep 1 14:34 u-boot.buffalo.org
-rw-r--r-- 1 root root 2328736 Nov 24 17:01 uImage-88f6281.buffalo
-rw-r--r-- 1 root root 2535784 Nov 24 17:09 uImage-mv78100.buffalo
-rw-r--r-- 1 root root 2535784 Nov 24 17:09 uImage.buffalo
root@TS-WXL3B3:/proc/buffalo#
```

?

There are three u-boot and three uImage. (except orig)

Does one farm cover two CPUs and you have binaries enabled for that machine's CPU?

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TS-WXL

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