Display on LCD (3)

[Debian](#) [TS-WXL](#)

Now that we know how to display a character string on the LCD, let's consider what to display.

Items you want to monitor

Load Average

I want to monitor the load status

RAID

I want to monitor if RAID is degraded

DISK FULL

I want to monitor if the disk is full.

Is it such a place? ?

Write a script

```
tswxl:/usr/local/sbin# cat lcdcontrol
#!/bin/sh

miconapl -a lcd_set_dispitem ipaddress date buffer0 buffer1 buffer2 buffer3 buffer4 buffer5 # buffer6 buffer7
miconapl -a lcd_changemode_auto

while :
do
        miconapl -a lcd_set_hostname `hostname`
        miconapl -a lcd_set_ipaddress `ifconfig eth0 | sed -n -e 's/^.*inet addr:\([1-9][0-9\.]*\).*$/\1/p'`

        # buffer0 load average
        #  07:58:38 up 1 min,  1 user,  load average: 0.12, 0.04, 0.01
        loadaverage=`uptime 2>/dev/null | sed -e 's/^.*load average: //'`
        #                               1234567890123456
        miconapl -a lcd_set_buffer0 "load average:   $loadaverage"


        # buffer1 md0
        # 012345678901234567890123456789012
        # md0 : active raid1 sda1[0] sdb1[1]
        MD0=`sed -n -e 's/\[[01]\]//g' -e 's/active/active   /' -e '/md0 /p' /proc/mdstat`
        miconapl -a lcd_set_buffer1 "$MD0"

        # buffer2 md1
        MD1=`sed -n -e 's/\[[01]\]//g' -e 's/active/active   /' -e '/md1 /p' /proc/mdstat`
        miconapl -a lcd_set_buffer2 "$MD1"

        # buffer3 md2
        MD2=`sed -n -e 's/\[[01]\]//g' -e 's/active/active   /' -e '/md2 /p' /proc/mdstat`
        miconapl -a lcd_set_buffer3 "$MD2"
```

```
# buffer4 disk capacity
# Filesystem           1K-blocks      Used Available Use% Mounted on
# /dev/md1               4921404    747916   3923492  17% /
df | while read P T U A C M
do
        case $M in
        /)
                #                                 1234567890123456789012
                miconapl -a lcd_set_buffer4 "/dev/md1         $M $C"
                ;;
        / mnt)
                miconapl -a lcd_set_buffer5 "/dev/md2         $M $C"
                ;;
        *)
        ;;
        esac
done
#miconapl -a lcd_set_buffer0


        sleep 60
done


tswxl:/usr/local/sbin#
```

run with cron

Run once every 10 minutes

```
tswxl:/usr/local/sbin# crontab -e
        :
        :
tswxl:/usr/local/sbin# crontab -l
# m h  dom mon dow   command
*/5 * * * * nice /bin/sh /usr/local/sbin/fancontrol 2>/dev/null 1>/dev/null
*/10 * * * * nice /bin/sh /usr/local/sbin/lcdcontrol 2>/dev/null 1>/dev/null
tswxl:/usr/local/sbin#
```

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