

# MC240-AN. Linux

. V5.2 CompactFlash. . Kernel panic. CF . :

1. com- com-
2. (HyperTerminal, Putty ..)
3. 115200, 8, , 1 , .
4. . :

```
Type "run flash\_nfs" to mount root filesystem over NFS
Hit any key to stop autoboot: 5
```

5. tftp- (, tftpd32). ramdisk.
6. :

```
setenv bootargs mem=32M console=ttyS0,115200 root=/dev/ram0 rw initrd=0x20410000,5500000
setenv bootcmd run memkern\;run ramdisk\;bootm 21000000
setenv ipaddr <ip- .>
setenv serverip <ip- >
setenv netmask < >
```

```
! IP- "<" ">"
```

7. ramdisk. boot
8. root

```
MCCP login: root
login[702]: root login on `ttyS0'
```

9. fdisk /dev/hda

```
[root@MCCP /root]$fdisk /dev/hda
hda: hda1
```

10. p

```
Command (m for help): p

Disk /dev/hda: 256 MB, 256204800 bytes
15 heads, 48 sectors/track, 695 cylinders
Units = cylinders of 720 * 512 = 368640 bytes

   Device Boot      Start         End      Blocks   Id  System
/dev/hda1            1           695       250176    83  Linux
```

11. d

```
Command (m for help): d
Selected partition 1
```

12. p,

```
Command (m for help): p
```

```
Disk /dev/hda: 256 MB, 256204800 bytes
15 heads, 48 sectors/track, 695 cylinders
Units = cylinders of 720 * 512 = 368640 bytes
```

| Device | Boot | Start | End | Blocks | Id | System |
|--------|------|-------|-----|--------|----|--------|
|--------|------|-------|-----|--------|----|--------|

13. *n*

```
Command (m for help): n
```

```
Command action
  e   extended
  p   primary partition (1-4)
```

14. primary partition, *p*

15. partition number 1

```
Partition number (1-4): 1
```

16. first cylinder last cylinder default ( 1 695)

```
First cylinder (1-695, default 1): 1
```

```
Last cylinder or +size or +sizeM or +sizeK (1-695, default 695): 695
```

17. *p*

```
Command (m for help): p
```

```
Disk /dev/hda: 256 MB, 256204800 bytes
15 heads, 48 sectors/track, 695 cylinders
Units = cylinders of 720 * 512 = 368640 bytes
```

| Device    | Boot | Start | End | Blocks | Id | System |
|-----------|------|-------|-----|--------|----|--------|
| /dev/hda1 |      | 1     | 695 | 250176 | 83 | Linux  |

```
[root@MCCP /]$cd mnt
```

18. *w*

```
Command (m for help): w
```

```
The partition table has been altered!
```

```
Calling ioctl() to re-read partition table.
```

```
hda: hda1
```

```
hda: hda1
```

```
Syncing disks.
```

19. , cd..

```
[root@MCCP /root]$cd..
```

20. /sbin/mke2fs /dev/hda1

```
[root@MCCP /]$ /sbin/mke2fs /dev/hda1
mke2fs 1.38 (30-Jun-2005)
 hda: hda1
 hda: hda1
 hda: hda1
Filesystem label=
OS type: Linux
Block size=1024 (log=0)
Fragment size=1024 (log=0)
62744 inodes, 250176 blocks
12508 blocks (5.00%) reserved for the super user
First data block=1
31 block groups
8192 blocks per group, 8192 fragments per group
2024 inodes per group
Superblock backups stored on blocks:
    8193, 24577, 40961, 57345, 73729, 204801, 221185

Writing inode tables: done
Writing superblocks and filesystem accounting information: done
This filesystem will be automatically checked every 29 mounts or
180 days, whichever comes first.  Use tune2fs -c or -i to override.
```

21. `mount -t ext2 /dev/hda1 /mnt`

```
[root@MCCP /]$ mount -t ext2 /dev/hda1 /mnt
hda: hda1
```

22. `date , - , - , - , -`

```
[root@MCCP /pbx]$ date 121011302014
Fri Feb  2 17:44:00 UTC 2007
```

23. `hwclock --systohc`

```
[root@MCCP /pbx]$ hwclock --systohc
```

24. `date`

```
[root@MCCP /pbx]$ date
Fri Feb  2 17:44:40 UTC 2007
```

25. `mnt, cd mnt`

```
[root@MCCP /]$ cd /mnt
```

26. `tftp- fs-v52an.tar.gz`

27. `. tftp -gl fs-v52an.tar.gz <ip> >`

```
[root@MCCP /mnt]$ tftp -gl fs-v52an.tar.gz 192.168.16.58
```

28. `fs-v52an.tar.gz gunzip -c fs-v52an.tar.gz | tar xvf -`

```
[root@MCCP /mnt]$ gunzip -c fs-v52an.tar.gz | tar xvf -
bin
bin/ae
bin/stty
...
var/www/icons/world2.gif
```

29. `rm fs-v52an.tar.gz`

```
[root@MCCP ram]$rm fs-v52an.tar.gz
```

30. reboot. .

31. Web-

32.

```
INIT: version 2.74 booting
rm: unable to stat `/var/lock/subsys/inet': Input/output error
rm: unable to stat `/var/lock/subsys/syslog': Input/output error
rm: unable to stat `/var/run/inetd.pid': Input/output error
rm: unable to stat `/var/run/mccp.pid': Input/output error
rm: unable to stat `/var/run/syslogd.pid': Input/output error
```

5, . . root, cd...

33. . e2fsck /dev/hda1. (... y/n?). «y».

34. :

```
/dev/hda1: ***** FILE SYSTEM WAS MODIFIED *****
/dev/hda1: ***** REBOOT LINUX *****
...
```

. reboot

:

[ramdisk.zip](#)  
[ramdisk.zip](#)

[fs-v52an.tar.gz](#)