

## How to change the IP address within the root filesystem

Copy the file **rimage.gz** from the CD-ROM to your Linux-based development system. Then open a Linux shell window and execute the following commands on your development system. Make sure that you own superuser rights.

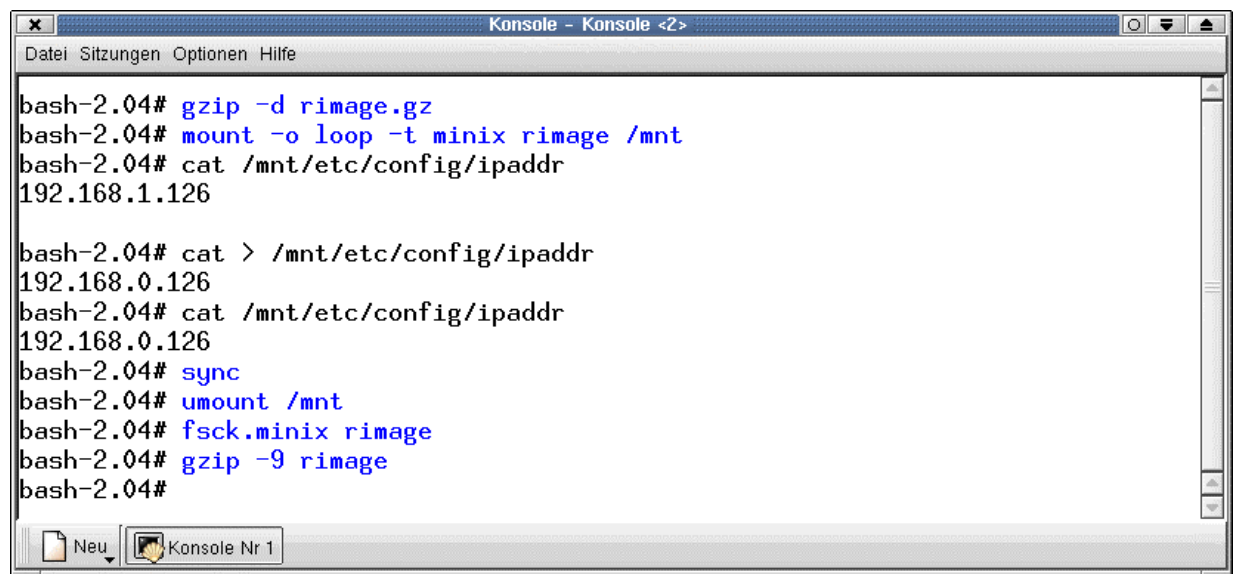
- **1. Step:** Unzip (uncompress) the compressed root filesystem image **rimage.gz** with the Linux **gzip** command:

```
gzip -d rimage.gz
```

- **2. Step:** Mount the uncompressed root filesystem image to the filesystem of your development system. Use the directory **/mnt** as mounting point:

```
mount -o loop -t minix rimage /mnt
```

- **3. Step:** After step 2 you will find all directories of the PNP/1110 root filesystem within the directory **/mnt** of the development system. The file with the PNP/1110 default IP address is now **/mnt/etc/config/ipaddr**. On the PNP/1110 you find this file with **/etc/config/ipaddr**. Please edit the IP address within **/mnt/etc/config/ipaddr**. You find other files for the subnet mask, default gateway etc. within the same directory (**/mnt/etc/config**).



```
Konsole - Konsole <2>
Datei Sitzungen Optionen Hilfe
bash-2.04# gzip -d rimage.gz
bash-2.04# mount -o loop -t minix rimage /mnt
bash-2.04# cat /mnt/etc/config/ipaddr
192.168.1.126

bash-2.04# cat > /mnt/etc/config/ipaddr
192.168.0.126
bash-2.04# cat /mnt/etc/config/ipaddr
192.168.0.126
bash-2.04# sync
bash-2.04# umount /mnt
bash-2.04# fsck.minix rimage
bash-2.04# gzip -9 rimage
bash-2.04#
```

- **4. Step:** Execute the Linux **sync** command for make sure that all updates are finished:

```
sync
```

- **5. Step:** Unmount the root filesystem image from the development system filesystem (mounting point **/mnt**). Use the Linux **umount** command for this task:

```
umount /mnt
```

- **6. Step:** Check the new root filesystem image. Use the Linux **fsck** command for this task:

```
fsck.minix rimage
```

- **7. Step:** Zip (compress) the new filesystem image **rimage** to **rimage.gz**. Use the Linux **gzip** command with parameter **-9**:

```
gzip -9 rimage
```

- **8. Step:** Use the PNP/1110 Flash Loader and download the updated **rimage.gz** with new IP address to the PNP/1110. Then re-boot your PNP/1110.