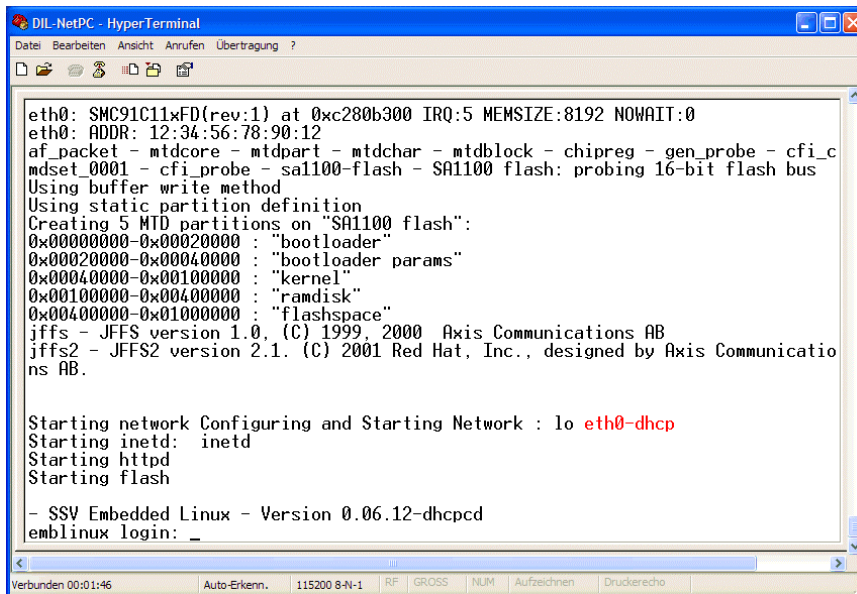


How to run a DHCP Client

There are Linux pre-config files **zimage** and **rimage.gz** with a pre-installed DHCP client program available for the DNP/1110 (SSV release number 5 – 22.Oct.2003 – kernel version 2.4.18).

- **1. Step:** Install the files **zimage** and **rimage.gz** on your DNP/1110 and re-boot the DNP/1110 with a available network connection.



```

eth0: SMC91C11xFD(rev:1) at 0xc280b300 IRQ:5 MEMSIZE:8192 NOWAIT:0
eth0: ADDR: 12:34:56:78:90:12
af_packet - mtdcore - mtdpart - mtdchar - mtdblock - chipreg - gen_probe - cfi_c
mdset_0001 - cfi_probe - sa1100-flash - SA1100 flash: probing 16-bit flash bus
Using buffer write method
Using static partition definition
Creating 5 MTD partitions on "SA1100 flash":
0x00000000-0x00020000 : "bootloader"
0x00020000-0x00040000 : "bootloader params"
0x00040000-0x00100000 : "kernel"
0x00100000-0x00400000 : "ramdisk"
0x00400000-0x01000000 : "flashspace"
jffs - JFFS version 1.0. (C) 1999, 2000 Axis Communications AB
jffs2 - JFFS2 version 2.1. (C) 2001 Red Hat, Inc., designed by Axis Communicatio
ns AB.

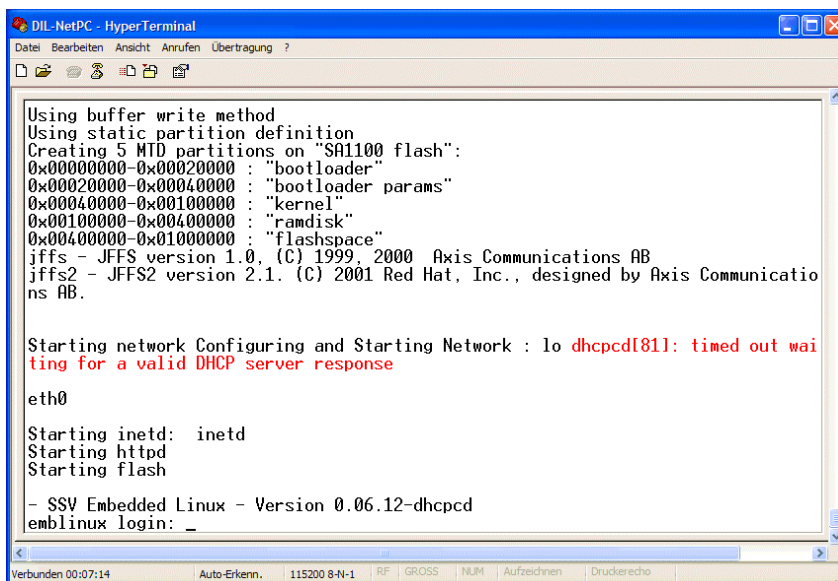
Starting network Configuring and Starting Network : lo eth0-dhcp
Starting inetd: inetd
Starting httpd
Starting flash

- SSV Embedded Linux - Version 0.06.12-dhcpd
emblinux login: _

```

Figure 1: IP address given by a DHCP server

If the DNP/1110 DHCP client don't find a DHCP server within 10 seconds (DHCP timeout), the DNP/1110 Linux takes the default IP address from the EEPROM (see also mHT-SA17.pdf).



```

Using buffer write method
Using static partition definition
Creating 5 MTD partitions on "SA1100 flash":
0x00000000-0x00020000 : "bootloader"
0x00020000-0x00040000 : "bootloader params"
0x00040000-0x00100000 : "kernel"
0x00100000-0x00400000 : "ramdisk"
0x00400000-0x01000000 : "flashspace"
jffs - JFFS version 1.0. (C) 1999, 2000 Axis Communications AB
jffs2 - JFFS2 version 2.1. (C) 2001 Red Hat, Inc., designed by Axis Communicatio
ns AB.

Starting network Configuring and Starting Network : lo dhcpd[81]: timed out wai
ting for a valid DHCP server response

eth0

Starting inetd: inetd
Starting httpd
Starting flash

- SSV Embedded Linux - Version 0.06.12-dhcpd
emblinux login: _

```

Figure 2: DHCP timeout, the DNP/1110 is using the default IP address