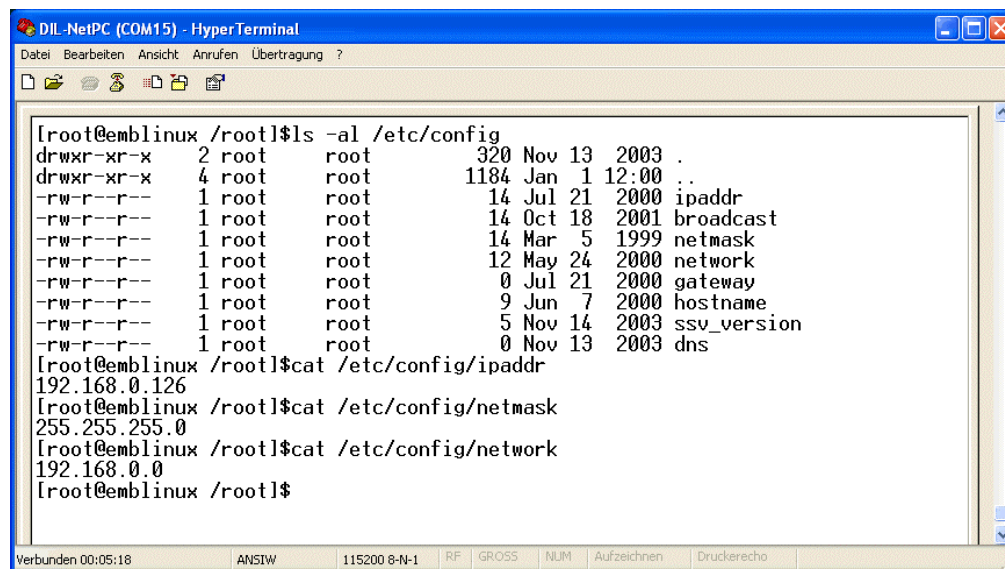**SSV**

The DNP/9200 Factory-Set IP Address

Every device connected to an IP network must have a unique IP address. This address is used to reference the specific unit. The DIL/NetPC DNP/9200 is automatically assigned an IP address on DHCP-enabled networks as it is DHCP-enabled by default.

If DHCP doesn't work (i.e. no DHCP server available), the DNP/9200 takes a default IP address. The factory-set value for this default IP address is **192.168.0.126**. The network mask for this address is **255.255.255.0**.

- **1. Step**: The DNP/9200 IP setup is based on some files within the root file system directory **/etc/config**. The file **/etc/config/ipaddr** contains the IP address, **/etc/config/netmask** contains the network mask etc. Display the content of this files with the help of the Linux **cat** command.

  The default content of all files within **/etc/config** is given by **rimage.gz** (the root file system image file). Modify these files within **rimage.gz** will influence the factory-set values.


```
[root@emblinux /root]$ls -al /etc/config
drwxr-xr-x    2 root     root          320 Nov 13  2003 .
drwxr-xr-x    4 root     root         1184 Jan  1 12:00 ..
-rw-r--r--    1 root     root           14 Jul 21  2000 ipaddr
-rw-r--r--    1 root     root           14 Oct 18  2001 broadcast
-rw-r--r--    1 root     root           14 Mar  5  1999 netmask
-rw-r--r--    1 root     root           12 May 24  2000 network
-rw-r--r--    1 root     root            0 Jul 21  2000 gateway
-rw-r--r--    1 root     root            9 Jun  7  2000 hostname
-rw-r--r--    1 root     root            5 Nov 14  2003 ssv_version
-rw-r--r--    1 root     root            0 Nov 13  2003 dns
[root@emblinux /root]$cat /etc/config/ipaddr
192.168.0.126
[root@emblinux /root]$cat /etc/config/netmask
255.255.255.0
[root@emblinux /root]$cat /etc/config/network
192.168.0.0
[root@emblinux /root]$
```

Please note: At boot time the DNP/9200 Linux checks a non-volatile configuration space for new IP setup values. This values overwrites the default content of the files within **/etc/config**.

The values for the non-volatile configuration space can be set with the help of a simple command line tool, called **ipaddree**.

That is all.