

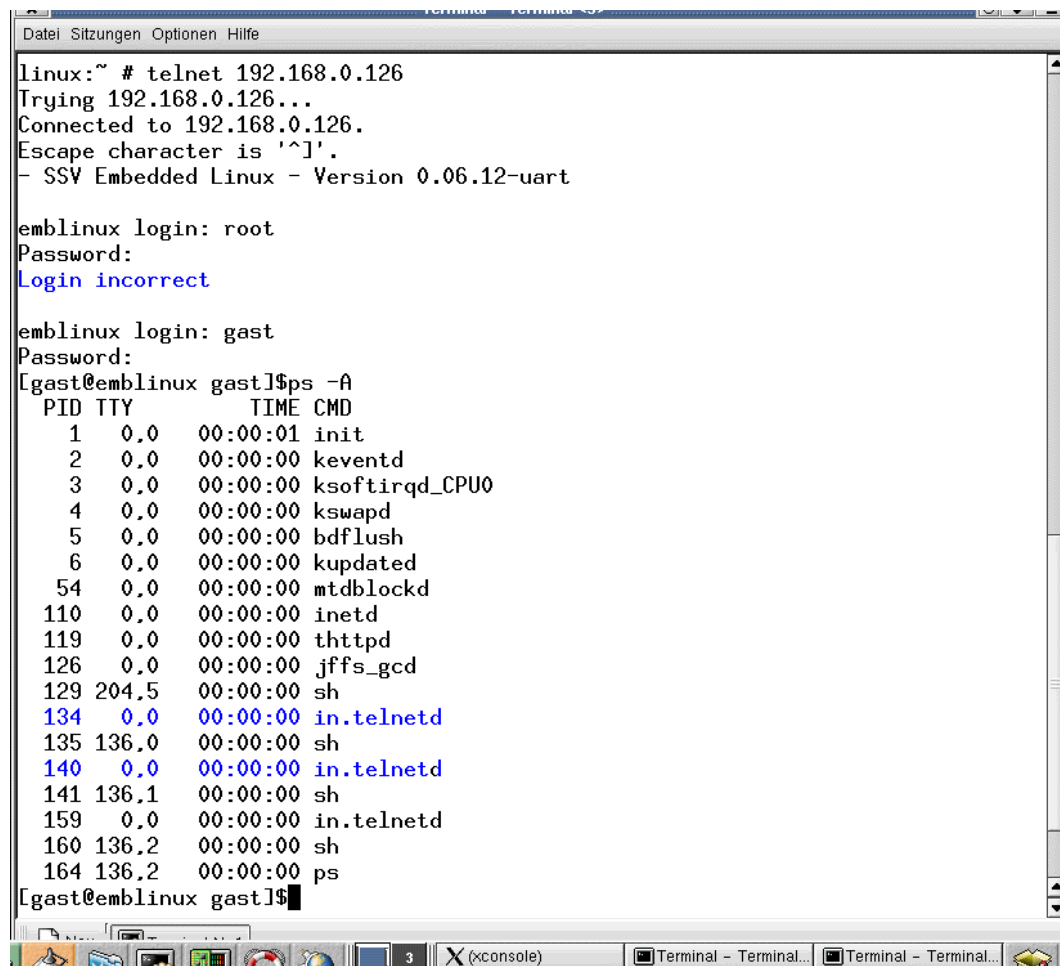
How to understand why sometimes a Linux Root Login is impossible

The DIL/NetPC DNP/1110 Linux operating system allows two parallel Telnet-based root logins. The third root login is impossible.

- **1. Step:** If a root login is impossible (you get the error message “Login incorrect”), try a user login. Use the user name **gast**. This user name needs no password. Just hit Enter if the DNP/1110 Linux asks you for a password. Then enter the Linux command:

```
ps -A
```

With the help of this command you see how many Telnet sessions (**in.telnetd**) are active. The following picture shows a sample. The PIDs **134** and **140** are Telnet sessions for other root users. The PID 159 is the Telnet session for the picture (login with user name **gast**).



```
linux:~ # telnet 192.168.0.126
Trying 192.168.0.126...
Connected to 192.168.0.126.
Escape character is '^]'.
- SSV Embedded Linux - Version 0.06.12-uart

emblinux login: root
Password:
Login incorrect

emblinux login: gast
Password:
[gast@emblinux gast]$ps -A
  PID TTY          TIME CMD
    1  0.0   00:00:01 init
    2  0.0   00:00:00 keventd
    3  0.0   00:00:00 ksoftirqd_CPU0
    4  0.0   00:00:00 kswapd
    5  0.0   00:00:00 bdflood
    6  0.0   00:00:00 kupdated
   54  0.0   00:00:00 mtdblockd
  110  0.0   00:00:00 inetd
  119  0.0   00:00:00 thttpd
  126  0.0   00:00:00 jffs_gcd
  129 204.5 00:00:00 sh
  134  0.0   00:00:00 in.telnetd
  135 136.0 00:00:00 sh
  140  0.0   00:00:00 in.telnetd
  141 136.1 00:00:00 sh
  159  0.0   00:00:00 in.telnetd
  160 136.2 00:00:00 sh
  164 136.2 00:00:00 ps
[gast@emblinux gast]$
```

That is all.