

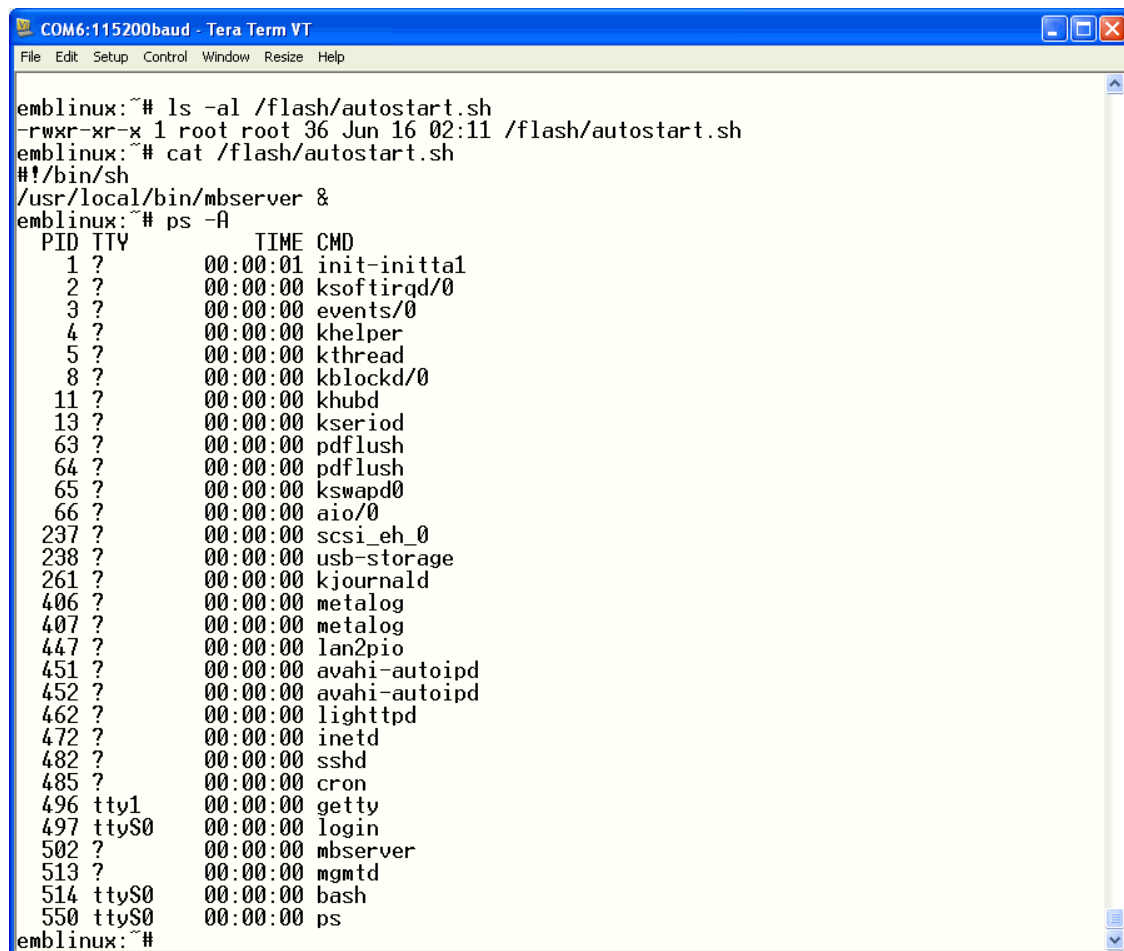
## How to use *autostart.sh* for the Modbus-TCP demo

Before using the DIL/NetPC DNP/2486 Modbus-TCP demo you have to create manually the *mbserver* (Modbus server) process. This allows a Modbus client to use the DNP/2486 I/O signals over the Modbus-TCP protocol. The DNP/2486 *autostart* feature allows you to automate the *mbserver* process creation.

- **1. Step:** Use a Telnet session or a serial console as root user and execute the following command lines:

```
cd /flash
cat > autostart.sh
#!/bin/sh
/usr/local/bin/mbserver &
CTRL-D (stops the cat command)
chmod +x autostart.sh
```

- **2. Step:** Reboot the DNP/2486. Within the next boot process the DNP/2486 MAX-Linux executes the *autostart.sh* shell script file. This creates the *mbserver* process.



```
COM6:115200baud - Tera Term VT
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emblinux:~# ls -al /flash/autostart.sh
-rwxr-xr-x 1 root root 36 Jun 16 02:11 /flash/autostart.sh
emblinux:~# cat /flash/autostart.sh
#!/bin/sh
/usr/local/bin/mbserver &
emblinux:~# ps -A
  PID TTY          TIME CMD
    1 ?            00:00:01 init-inittal
    2 ?            00:00:00 ksoftirqd/0
    3 ?            00:00:00 events/0
    4 ?            00:00:00 khelper
    5 ?            00:00:00 kthread
    8 ?            00:00:00 kblockd/0
   11 ?            00:00:00 khubd
   13 ?            00:00:00 kseriod
   63 ?            00:00:00 pdflush
   64 ?            00:00:00 pdflush
   65 ?            00:00:00 kswapd0
   66 ?            00:00:00 aio/0
  237 ?            00:00:00 scsi_eh_0
  238 ?            00:00:00 usb-storage
  261 ?            00:00:00 kjournald
  406 ?            00:00:00 metalog
  407 ?            00:00:00 metalog
  447 ?            00:00:00 lan2pio
  451 ?            00:00:00 avahi-autoipd
  452 ?            00:00:00 avahi-autoipd
  462 ?            00:00:00 lighttpd
  472 ?            00:00:00 inetd
  482 ?            00:00:00 sshd
  485 ?            00:00:00 cron
  496 tty1        00:00:00 getty
  497 ttyS0       00:00:00 login
  502 ?            00:00:00 mbserver
  513 ?            00:00:00 mgmtd
  514 ttyS0       00:00:00 bash
  550 ttyS0       00:00:00 ps
emblinux:~#
```

That's all.