```
    //Dopolnilo k Protokol-testu I, pregled delovanja sistema po namestitvi
    programske opreme
    //Plošča 3000_1000EO800              SN:00058
    //Datum testa:                       19.12.2014
    //Izvajalec:                         Nikola Kostic

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    8.      Test sinhronizacije sistemskega časa preko NTP na ARSO NTP strežnik ntp.
    arso.sigov.si ali 172.19.0.199
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    8.2.    Ročna sinhronizacija
    9.      Izpis nastavitev Nporta

    1.      //Povezava na MOXA UC8410
    login as: root
    root@172.19.7.94's password:
    X11 forwarding request failed on channel 0

        ####         ####    ######    ####### ######       ##
         ###        ####   ###    ###    ####   ####       ###
          ###       ###   ###      ###    ###    ##        ###
          ###      ####   ##        ##    ###   #         ####
          ####     # ##  ###        ###    ### ##        ## ##
         ## ##     # ##  ###         ##     ####         #  ##
         ## ###  ## ##  ##          ##     ####         #  ###
         ##  ##  #  ##  ##          ##      ###        #######
         ##  ##  #  ##  ###        ###     #####       #    ##
         ##   ###   ##  ###        ###    ##  ###      #    ###
         ##   ###   ##   ##        ##    ##    ###    ##     ##
         ##   ###   ##    ##      ##     #     ###    #      ##
        ######  #  ######   ########   ####### ###########  ######

    For further information check:
    http://www.moxa.com/

    2.      //Pregled nastavitev za COM vrata
    2.1.    //Izpis rc.local nastavitvene datoteke, prikaz samo nastavitev za COM vrata
    > cat /etc/rc.d/rc.local
#!/bin/sh

# rc.local run log
RC_LOG=/var/log/rc.local.log
# Applications install dir
# Can use MACRO var/sda/amws
APP_PATH=/var/sda/amws
```

```
echo "rc.local START" > ${RC_LOG}
date >> ${RC_LOG}

echo "Preset  PATH=${PATH}" >> ${RC_LOG}
export PATH=/usr/local/bin:/usr/local/sbin:/usr/bin:/usr/sbin:$PATH
echo "Setting PATH=${PATH}" >> ${RC_LOG}

# SYSLOG Daemon (pppd logs in syslog)
# System logging utility.
# Note that this version of syslogd ignores /etc/syslog.conf.
# Options:
#       -n                      Run in foreground
#       -O FILE         Log to given file (default=/var/log/messages)
#       -l n            Set local log level
#       -S                      Smaller logging output
# Using logging on CF
if [ -s ${APP_PATH}/syslog ]; then
        mv ${APP_PATH}/syslog ${APP_PATH}/syslog.1
fi
/sbin/syslogd -O ${APP_PATH}/syslog

for i in 0 1 2 3 4 5 6 7; do chgrp tty /dev/ttyM${i}; done;
for i in 0 1 2 3 4 5 6 7; do chmod 664 /dev/ttyM${i}; done;

echo "WMT702.ttyM0: RS485-halfduplex, 19200/none/8/1" >> ${RC_LOG}
setinterface /dev/ttyM0 1;  usleep 300
stty -F /dev/ttyM0 19200;  usleep 300
stty -F /dev/ttyM0 cs8;  usleep 300
stty -F /dev/ttyM0 -parenb;  usleep 300
stty -F /dev/ttyM0 -parodd;  usleep 300
stty -F /dev/ttyM0 -cstopb;  usleep 300
stty -F /dev/ttyM0 -echo;  usleep 300
stty -F /dev/ttyM0 raw;  usleep 300
stty -F /dev/ttyM0 noflsh;  usleep 300
setinterface /dev/ttyM0 >> ${RC_LOG}
stty -F /dev/ttyM0 -a >> ${RC_LOG}

echo "HMP155.ttyM1: RS485-halfduplex, 19200/none/7/1" >> ${RC_LOG}
setinterface /dev/ttyM1 1;  usleep 300
stty -F /dev/ttyM1 19200;  usleep 300
stty -F /dev/ttyM1 cs7;  usleep 300
stty -F /dev/ttyM1 -parenb;  usleep 300
stty -F /dev/ttyM1 -parodd;  usleep 300
stty -F /dev/ttyM1 -cstopb;  usleep 300
stty -F /dev/ttyM1 -echo;  usleep 300
stty -F /dev/ttyM1 raw;  usleep 300
stty -F /dev/ttyM1 noflsh;  usleep 300
setinterface /dev/ttyM1 >> ${RC_LOG}
stty -F /dev/ttyM1 -a >> ${RC_LOG}

echo "PTB330.ttyM2: RS485-halfduplex, 19200/none/8/1" >> ${RC_LOG}
setinterface /dev/ttyM2 1;  usleep 300
stty -F /dev/ttyM2 19200;  usleep 300
stty -F /dev/ttyM2 cs8;  usleep 300
stty -F /dev/ttyM2 -parenb;  usleep 300
stty -F /dev/ttyM2 -parodd;  usleep 300
stty -F /dev/ttyM2 -cstopb;  usleep 300
stty -F /dev/ttyM2 -echo;  usleep 300
stty -F /dev/ttyM2 raw;  usleep 300
```

```
stty -F /dev/ttyM2 noflsh;  usleep 300
setinterface /dev/ttyM2 >> ${RC_LOG}
stty -F /dev/ttyM2 -a >> ${RC_LOG}

echo "Pluvio2.ttyM3: RS485-halfduplex, 19200/none/8/1" >> ${RC_LOG}
setinterface /dev/ttyM3 1;  usleep 300
stty -F /dev/ttyM3 19200;  usleep 300
stty -F /dev/ttyM3 cs8;  usleep 300
stty -F /dev/ttyM3 -parenb;  usleep 300
stty -F /dev/ttyM3 -parodd;  usleep 300
stty -F /dev/ttyM3 -cstopb;  usleep 300
stty -F /dev/ttyM3 -echo;  usleep 300
stty -F /dev/ttyM3 raw;  usleep 300
stty -F /dev/ttyM3 noflsh;  usleep 300
setinterface /dev/ttyM3 >> ${RC_LOG}
stty -F /dev/ttyM3 -a >> ${RC_LOG}

echo "CL31.ttyM4: RS485-halfduplex, 19200/none/8/1" >> ${RC_LOG}
setinterface /dev/ttyM4 1;  usleep 300
stty -F /dev/ttyM4 19200;  usleep 300
stty -F /dev/ttyM4 cs8;  usleep 300
stty -F /dev/ttyM4 -parenb;  usleep 300
stty -F /dev/ttyM4 -parodd;  usleep 300
stty -F /dev/ttyM4 -cstopb;  usleep 300
stty -F /dev/ttyM4 -echo;  usleep 300
stty -F /dev/ttyM4 raw;  usleep 300
stty -F /dev/ttyM4 noflsh;  usleep 300
setinterface /dev/ttyM4 >> ${RC_LOG}
stty -F /dev/ttyM4 -a >> ${RC_LOG}

echo "LPM.ttyM5: RS485-fullduplex, 19200/none/8/1" >> ${RC_LOG}
setinterface /dev/ttyM5 3;  usleep 300
stty -F /dev/ttyM5 19200;  usleep 300
stty -F /dev/ttyM5 cs8;  usleep 300
stty -F /dev/ttyM5 -parenb;  usleep 300
stty -F /dev/ttyM5 -parodd;  usleep 300
stty -F /dev/ttyM5 -cstopb;  usleep 300
stty -F /dev/ttyM5 -echo;  usleep 300
stty -F /dev/ttyM5 raw;  usleep 300
stty -F /dev/ttyM5 noflsh;  usleep 300
setinterface /dev/ttyM5 >> ${RC_LOG}
stty -F /dev/ttyM5 -a >> ${RC_LOG}

echo "SHM30.ttyM6: RS232, 9600/none/8/1" >> ${RC_LOG}
setinterface /dev/ttyM6 0;  usleep 300
stty -F /dev/ttyM6 9600;  usleep 300
stty -F /dev/ttyM6 cs8; usleep 300
stty -F /dev/ttyM6 -parenb; usleep 300
stty -F /dev/ttyM6 -parodd; usleep 300
stty -F /dev/ttyM6 -cstopb; usleep 300
stty -F /dev/ttyM6 -echo; usleep 300
stty -F /dev/ttyM6 raw; usleep 300
stty -F /dev/ttyM6 noflsh; usleep 300
setinterface /dev/ttyM6 >> ${RC_LOG}
stty -F /dev/ttyM6 -a >> ${RC_LOG}

echo "iomodule.ttyM7: RS485-halfduplex, 38400/none/8/1" >> ${RC_LOG}
setinterface /dev/ttyM7 1;  usleep 300
stty -F /dev/ttyM7 38400;  usleep 300
```

```
stty -F /dev/ttyM7 cs8;  usleep 300
stty -F /dev/ttyM7 -parenb;  usleep 300
stty -F /dev/ttyM7 -parodd;  usleep 300
stty -F /dev/ttyM7 -cstopb;  usleep 300
stty -F /dev/ttyM7 -echo;  usleep 300
stty -F /dev/ttyM7 raw;  usleep 300
stty -F /dev/ttyM7 noflsh;  usleep 300
setinterface /dev/ttyM7 >> ${RC_LOG}
stty -F /dev/ttyM7 -a >> ${RC_LOG}

## GSM Modem - example ttyM6
#echo "GSM.ttyM6 Override: RS232, 115200/none/8/1, HW handshake" >> ${RC_LOG}
#setinterface /dev/ttyM6 0; usleep 300
#stty -F /dev/ttyM6 115200; usleep 300
#stty -F /dev/ttyM6 cs8; usleep 300
#stty -F /dev/ttyM6 -parenb; usleep 300
#stty -F /dev/ttyM6 -parodd; usleep 300
#stty -F /dev/ttyM6 -cstopb; usleep 300
#stty -F /dev/ttyM6 -echo; usleep 300
#stty -F /dev/ttyM6 raw; usleep 300
#stty -F /dev/ttyM6 noflsh; usleep 300
#stty -F /dev/ttyM6 crtscts; usleep 300
#stty -F /dev/ttyM6 -a >> ${RC_LOG}
#setinterface /dev/ttyM6 >> ${RC_LOG}

## Enable GSM modem - release RESET pin
#echo "Enable GSM modem - release RESET pin (output DO0)" >> ${RC_LOG}
#echo "/usr/local/bin/setoutput 0 1" >> ${RC_LOG}
#/usr/local/bin/setoutput 0 1
#/usr/local/bin/setoutput 0 >> ${RC_LOG}

## Enable GSM modem POWER
#echo "Enable GSM modem POWER (output DO1)" >> ${RC_LOG}
#echo "/usr/local/bin/setoutput 1 1" >> ${RC_LOG}
#/usr/local/bin/setoutput 1 1
#/usr/local/bin/setoutput 1 >> ${RC_LOG}

## Enable ADSL modem - release RESET pin
#echo "Enable ADSL modem - release RESET pin (output DO2)" >> ${RC_LOG}
#echo "/usr/local/bin/setoutput 2 1" >> ${RC_LOG}
#/usr/local/bin/setoutput 2 1
#/usr/local/bin/setoutput 2 >> ${RC_LOG}

# Add static Default GW route
# Option GSM Modem - DO NOT SET GW - pppd 2.3.4 does not support 'replacedefaultroute"
route add default gw 172.19.0.1
route -n >> ${RC_LOG}

echo "Calling ${APP_PATH}/network_sync.sh" >> ${RC_LOG}
${APP_PATH}/network_sync.sh noretry
sleep 1
# Option GSM Modem - also establishing ppp connection, wait a little longer
# sleep 4
ip addr >> ${RC_LOG}
route -n >> ${RC_LOG}


# CRON JOB Daemon - MUST be started after first ntp sync for crontab to function
properly
```

```
# Due to DST problems with RTC if we are not using DST (ARSO using UTC+1 noDST)
# Storing hwclock with --utc or --localtime does not make any diference, seems Boot
time takes RTC and DST.
# TODO: check reboot at winter time
/etc/init.d/cron start

echo "rc.local STOP" >> ${RC_LOG}
date >> ${RC_LOG}
```

2.2. //Pregled dejanskih sistemski nastavitev za COM vrata

```
    sleep 1
echo "setings ----------------------------/dev/tty M0
-------------------------------------  setings"; printf "\n"; printf "uart config:
\n \n";  setinterface /dev/ttyM0; stty -a < /dev/ttyM0 | grep speed; stty -a < /dev/
ttyM0 | grep cs;  stty -a < /dev/ttyM0 | grep echo;  printf "\n"; echo "setings
----------------------------/dev/tty M1 -------------------------------------
setings"; printf "\n"; printf "uart config: \n \n";  setinterface /dev/ttyM1; stty -a
< /dev/ttyM1 | grep speed; stty -a < /dev/ttyM1 | grep cs;  stty -a < /dev/ttyM1 |
grep echo;  printf "\n"; echo "setings ----------------------------/dev/tty M2
-------------------------------------  setings"; printf "\n"; printf "uart config:
\n \n";  setinterface /dev/ttyM2; stty -a < /dev/ttyM2 | grep speed; stty -a < /dev/
ttyM2 | grep cs;  stty -a < /dev/ttyM2 | grep echo;  printf "\n"; echo "setings
----------------------------/dev/tty M3 -------------------------------------
setings"; printf "\n"; printf "uart config: \n \n";  setinterface /dev/ttyM3; stty -a
< /dev/ttyM3 | grep speed; stty -a < /dev/ttyM3 | grep cs;  stty -a < /dev/ttyM3 |
grep echo;  printf "\n"; echo "setings ----------------------------/dev/tty M4
-------------------------------------  setings"; printf "\n"; printf "uart config:
\n \n";  setinterface /dev/ttyM4; stty -a < /dev/ttyM4 | grep speed; stty -a < /dev/
ttyM4 | grep cs;  stty -a < /dev/ttyM4 | grep echo;  printf "\n"; echo "setings
----------------------------/dev/tty M5 -------------------------------------
setings"; printf "\n"; printf "uart config: \n \n";  setinterface /dev/ttyM5; stty -a
< /dev/ttyM5 | grep speed; stty -a < /dev/ttyM5 | grep cs;  stty -a < /dev/ttyM5 |
grep echo;  printf "\n"; echo "setings ----------------------------/dev/tty M6
-------------------------------------  setings"; printf "\n"; printf "uart config:
\n \n";  setinterface /dev/ttyM6; stty -a < /dev/ttyM6 | grep speed; stty -a < /dev/
ttyM6 | grep cs;  stty -a < /dev/ttyM6 | grep echo;  printf "\n"; echo "setings
----------------------------/dev/tty M7 -------------------------------------
setings"; printf "\n"; printf "uart config: \n \n";  setinterface /dev/ttyM7; stty -a
< /dev/ttyM7 | grep speed; stty -a < /dev/ttyM7 | grep cs;  stty -a < /dev/ttyM7 |
grep echo;  printf "\n"; echo "setings ------------------------------ end
-----------------------------------------  setings"; printf "\n";

setings ----------------------------/dev/tty M0
-------------------------------------  setings

uart config:

Now setting is RS485-2WIRES interface.
speed 19200 baud; rows 24; columns 80;
-parenb -parodd cs8 hupcl -cstopb cread clocal -crtscts
-isig -icanon iexten -echo echoe echok -echonl noflsh -xcase -tostop -echoprt
echoctl echoke

setings ----------------------------/dev/tty M1
-------------------------------------  setings

uart config:
```

```
Now setting is RS485-2WIRES interface.
speed 19200 baud; rows 24; columns 80;
-parenb -parodd cs7 hupcl -cstopb cread clocal -crtscts
-isig -icanon iexten -echo echoe echok -echonl noflsh -xcase -tostop -echoprt
echoctl echoke

setings ------------------------------/dev/tty M2
---------------------------------------  setings

uart config:

Now setting is RS485-2WIRES interface.
speed 19200 baud; rows 24; columns 80;
-parenb -parodd cs8 hupcl -cstopb cread clocal -crtscts
-isig -icanon iexten -echo echoe echok -echonl noflsh -xcase -tostop -echoprt
echoctl echoke

setings ------------------------------/dev/tty M3
---------------------------------------  setings

uart config:

Now setting is RS485-2WIRES interface.
speed 19200 baud; rows 24; columns 80;
-parenb -parodd cs8 hupcl -cstopb cread clocal -crtscts
-isig -icanon iexten -echo echoe echok -echonl noflsh -xcase -tostop -echoprt
echoctl echoke

setings ------------------------------/dev/tty M4
---------------------------------------  setings

uart config:

Now setting is RS485-2WIRES interface.
speed 19200 baud; rows 24; columns 80;
-parenb -parodd cs8 hupcl -cstopb cread clocal -crtscts
-isig -icanon iexten -echo echoe echok -echonl noflsh -xcase -tostop -echoprt
echoctl echoke

setings ------------------------------/dev/tty M5
---------------------------------------  setings

uart config:

Now setting is RS485-4WIRES interface.
speed 19200 baud; rows 24; columns 80;
-parenb -parodd cs8 hupcl -cstopb cread clocal -crtscts
-isig -icanon iexten -echo echoe echok -echonl noflsh -xcase -tostop -echoprt
echoctl echoke

setings ------------------------------/dev/tty M6
---------------------------------------  setings

uart config:

Now setting is RS232 interface.
speed 9600 baud; rows 24; columns 80;
-parenb -parodd cs8 hupcl -cstopb cread clocal -crtscts
```

```
-isig -icanon iexten -echo echoe echok -echonl noflsh -xcase -tostop -echoprt
echoctl echoke

setings ------------------------------/dev/tty M7
----------------------------------------  setings

uart config:

Now setting is RS485-2WIRES interface.
speed 38400 baud; rows 24; columns 80;
-parenb -parodd cs8 hupcl -cstopb cread clocal -crtscts
-isig -icanon iexten -echo echoe echok -echonl noflsh -xcase -tostop -echoprt
echoctl echoke

setings -------------------------------- end
----------------------------------------  setings



    3.      //Pregled mrežnih nastavitev
    3.1.    //Izpis interfaces nastavitvene datoteke
    > cat /etc/network/interfaces
auto eth0 eth1 eth2 lo
iface lo inet loopback

# embedded ethernet LAN1
iface eth0 inet static
address 172.19.7.94
network 172.19.7.0
netmask 255.255.224.0
# GW MUST NOT BE SET!!!

# embedded ethernet LAN2
iface eth1 inet static
address 172.19.7.241
network 172.19.7.0
netmask 255.255.224.0
# GW MUST NOT BE SET!!!

# Wireless/ethernet LAN3
iface eth2 inet static
        address 192.168.5.127
        network 192.168.5.0
        netmask 255.255.255.0
        broadcast 192.168.5.255
#       gateway 192.168.5.1


    3.2.    //Izpis rc.local nastavitvene datoteke, prikaz samo nastavitve gateway-a
    > cat /etc/rc.d/rc.local |grep route
# Add static Default GW route
# Option GSM Modem - DO NOT SET GW - pppd 2.3.4 does not support 'replacedefaultroute"
route add default gw 172.19.0.1
route -n >> ${RC_LOG}
route -n >> ${RC_LOG}


    4.      //Izpis ifconfig
    > ifconfig
```

```
eth0      Link encap:Ethernet  HWaddr 00:90:E8:3E:35:6B
          inet addr:172.19.7.94  Bcast:172.19.31.255  Mask:255.255.224.0
          inet6 addr: fe80::290:e8ff:fe3e:356b/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:2457514 errors:1 dropped:43 overruns:0 frame:1
          TX packets:3893 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:512
          RX bytes:311624843 (297.1 MiB)  TX bytes:331947 (324.1 KiB)

eth1      Link encap:Ethernet  HWaddr 00:90:E8:3E:35:6C
          inet addr:172.19.7.241  Bcast:172.19.31.255  Mask:255.255.224.0
          inet6 addr: fe80::290:e8ff:fe3e:356c/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:2472581 errors:3 dropped:55 overruns:0 frame:3
          TX packets:51 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:512
          RX bytes:316950206 (302.2 MiB)  TX bytes:2282 (2.2 KiB)

eth2      Link encap:Ethernet  HWaddr 00:90:E8:3E:35:6D
          inet addr:192.168.5.127  Bcast:192.168.5.255  Mask:255.255.255.0
          UP BROADCAST MULTICAST  MTU:1500  Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:0 (0.0 B)  TX bytes:0 (0.0 B)
          Interrupt:19 Base address:0x1000

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:20015 errors:0 dropped:0 overruns:0 frame:0
          TX packets:20015 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:1475759 (1.4 MiB)  TX bytes:1475759 (1.4 MiB)
```

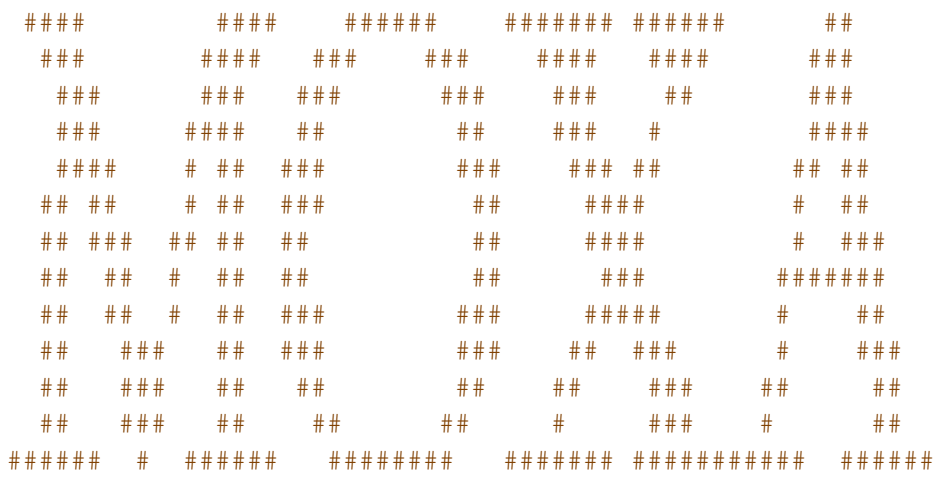
5. //Test povezljivosti, PING odgovor postaje

```
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation.  All rights reserved.

C:\Users\User>ping 172.19.7.94

Pinging 172.19.7.94 with 32 bytes of data:
Reply from 172.19.7.94: bytes=32 time=6ms TTL=64
Reply from 172.19.7.94: bytes=32 time=7ms TTL=64
Reply from 172.19.7.94: bytes=32 time=8ms TTL=64
Reply from 172.19.7.94: bytes=32 time=10ms TTL=64

Ping statistics for 172.19.7.94:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 6ms, Maximum = 10ms, Average = 7ms
```

6. //Test povezljivosti, dostop do postaje preko SSH

```
    > ssh root@localhost
Could not create directory '/root/.ssh'.
```

```
The authenticity of host 'localhost (127.0.0.1)' can't be established.
RSA key fingerprint is 46:b7:de:75:37:4d:9d:a6:7a:2e:eb:71:67:f4:31:20.
Are you sure you want to continue connecting (yes/no)? yes
Failed to add the host to the list of known hosts (/root/.ssh/known_hosts).
root@localhost's password:
```



```
For further information check:
http://www.moxa.com/
```

7. //Test povezljivosti, dostop do procesa na postaji preko Telneta

```
> telnet localhost 60000
Entering character mode
Escape character is '^]'.

Welcome to the CLI terminal. Type 'help' for help on commands.

jmd(60000)>
```

8. //Test sinhronizacije sistemskega časa preko NTP na ARSO NTP strežnik ntp.arso.sigov.si ali 172.19.0.199

8.1. // Avtomatska skripta 'network_sync.sh', pregled log datoteke:

```
> cat /var/tmp/ntp.log
10:00:03        19/12/2014
19 Dec 10:00:03 ntpdate[11362]: adjust time server 172.19.0.199 offset 0.003086 sec
```

8.2. //Ročna sinhronizacija 'ntpdate 172.19.0.199', izpis na ekranu:

```
>  ntpdate ntp.arso.sigov.si
Looking for host ntp.arso.sigov.si and service ntp
host found : vigil.arso.sigov.si
19 Dec 10:00:51 ntpdate[11374]: adjust time server 172.19.0.199 offset -0.000369 sec
```

9. //Izpis nastavitev Nporta

```
> telnet 172.19.7.95
Entering character mode
Escape character is '^]'.
```

```
Model name        : NPort 5650-8-DT-J
MAC address       : 00:90:E8:3D:D6:7D
```

```
Serial No.        : 5808
Firmware version  : 2.2 Build 11090613
System uptime     : 0 days, 21h:21m:41s
--------------------------------------------------------------------------------
<< Main Menu >>
  (1) Basic settings
  (2) Network settings
  (3) Serial settings
  (4) Operating settings
  (5) Accessible IP settings
  (6) Auto warning settings
  (7) Monitor
  (8) Ping
  (9) Change password
  (a) Load factory default
  (v) View settings
  (s) Save/Restart
  (q) Quit

Key in your selection: v

--------------------------------------------------------------------------------
Server name                     : NP5650-8-DT-J_5808
Time zone                       : (GMT)Greenwich Mean Time: Dublin, Edinburgh, Lisbon,
London
Local time                      : 2014/12/19 09:11:09
Time server                     :
Web console                     : Enable
Telnet console                  : Enable
LCM password protect            : No
Reset button protect            : No

Press any key to continue...

--------------------------------------------------------------------------------
IP address                      : 172.19.7.95
Netmask                         : 255.255.224.0
Gateway                         : 172.19.0.1
IP configuration                : Static
DNS server 1                    : 172.19.0.55
DNS server 2                    : 172.19.0.51
SNMP                            : Enable
SNMP community name             : public
SNMP contact                    :
SNMP location                   :
Auto IP report to IP            :
Auto IP report to UDP port      : 4002
Auto IP report period(seconds)  : 10

Press any key to continue...

--------------------------------------------------------------------------------
Port 1
Baud rate                       : 38400
Data bits                       : 8
Stop bits                       : 1
Parity                          : None
Flow control                    : None
FIFO                            : Enable
```

```
Interface                       : RS-485 4Wire

Press any key to continue...

--------------------------------------------------------------------------------
Port 2
Baud rate                       : 38400
Data bits                       : 8
Stop bits                       : 1
Parity                          : None
Flow control                    : None
FIFO                            : Enable
Interface                       : RS-485 4Wire

Press any key to continue...

--------------------------------------------------------------------------------
Port 3
Baud rate                       : 38400
Data bits                       : 8
Stop bits                       : 1
Parity                          : None
Flow control                    : None
FIFO                            : Enable
Interface                       : RS-485 4Wire

Press any key to continue...

--------------------------------------------------------------------------------
Port 4
Baud rate                       : 38400
Data bits                       : 8
Stop bits                       : 1
Parity                          : None
Flow control                    : None
FIFO                            : Enable
Interface                       : RS-485 4Wire

Press any key to continue...

--------------------------------------------------------------------------------
Port 5
Baud rate                       : 38400
Data bits                       : 8
Stop bits                       : 1
Parity                          : None
Flow control                    : None
FIFO                            : Enable
Interface                       : RS-485 4Wire

Press any key to continue...

--------------------------------------------------------------------------------
Port 6
Baud rate                       : 38400
Data bits                       : 8
Stop bits                       : 1
Parity                          : None
Flow control                    : None
```

```
FIFO                            : Enable
Interface                       : RS-485 4Wire

Press any key to continue...

--------------------------------------------------------------------------------
Port 7
Baud rate                       : 38400
Data bits                       : 8
Stop bits                       : 1
Parity                          : None
Flow control                    : None
FIFO                            : Enable
Interface                       : RS-485 4Wire

Press any key to continue...

--------------------------------------------------------------------------------
Port 8
Baud rate                       : 38400
Data bits                       : 8
Stop bits                       : 1
Parity                          : None
Flow control                    : None
FIFO                            : Enable
Interface                       : RS-485 4Wire

Press any key to continue...

--------------------------------------------------------------------------------
Port 1                          : TCP Server Mode
TCP alive check time (0-99min)  : 7
Inactivity time                 : 0
Max connection                  : 4
Ignore jammed IP                : No
Allow driver control            : No
Packing length                  : 0
Delimiter 1                     : (Disable) 0
Delimiter 2                     : (Disable) 0
Delimiter process               : Do Nothing
Force transmit                  : 0
Local TCP port                  : 64001
Command port                    : 966

Press any key to continue...

--------------------------------------------------------------------------------
Port 2                          : TCP Server Mode
TCP alive check time (0-99min)  : 7
Inactivity time                 : 0
Max connection                  : 4
Ignore jammed IP                : No
Allow driver control            : No
Packing length                  : 0
Delimiter 1                     : (Disable) 0
Delimiter 2                     : (Disable) 0
Delimiter process               : Do Nothing
Force transmit                  : 0
Local TCP port                  : 64002
```

```
Command port                    : 967

Press any key to continue...

--------------------------------------------------------------------------------
Port 3                          : TCP Server Mode
TCP alive check time (0-99min) : 7
Inactivity time                 : 0
Max connection                  : 4
Ignore jammed IP                : No
Allow driver control            : No
Packing length                  : 0
Delimiter 1                     : (Disable) 0
Delimiter 2                     : (Disable) 0
Delimiter process               : Do Nothing
Force transmit                  : 0
Local TCP port                  : 64003
Command port                    : 968

Press any key to continue...

--------------------------------------------------------------------------------
Port 4                          : TCP Server Mode
TCP alive check time (0-99min) : 7
Inactivity time                 : 0
Max connection                  : 4
Ignore jammed IP                : No
Allow driver control            : No
Packing length                  : 0
Delimiter 1                     : (Disable) 0
Delimiter 2                     : (Disable) 0
Delimiter process               : Do Nothing
Force transmit                  : 0
Local TCP port                  : 64004
Command port                    : 969

Press any key to continue...

--------------------------------------------------------------------------------
Port 5                          : TCP Server Mode
TCP alive check time (0-99min) : 7
Inactivity time                 : 0
Max connection                  : 4
Ignore jammed IP                : No
Allow driver control            : No
Packing length                  : 0
Delimiter 1                     : (Disable) 0
Delimiter 2                     : (Disable) 0
Delimiter process               : Do Nothing
Force transmit                  : 0
Local TCP port                  : 64005
Command port                    : 970

Press any key to continue...

--------------------------------------------------------------------------------
Port 6                          : TCP Server Mode
TCP alive check time (0-99min) : 7
Inactivity time                 : 0
```

```
Max connection                  : 4
Ignore jammed IP                : No
Allow driver control            : No
Packing length                  : 0
Delimiter 1                     : (Disable) 0
Delimiter 2                     : (Disable) 0
Delimiter process               : Do Nothing
Force transmit                  : 0
Local TCP port                  : 64006
Command port                    : 971

Press any key to continue...

--------------------------------------------------------------------------------
Port 7                          : TCP Server Mode
TCP alive check time (0-99min)  : 7
Inactivity time                 : 0
Max connection                  : 4
Ignore jammed IP                : No
Allow driver control            : No
Packing length                  : 0
Delimiter 1                     : (Disable) 0
Delimiter 2                     : (Disable) 0
Delimiter process               : Do Nothing
Force transmit                  : 0
Local TCP port                  : 64007
Command port                    : 972

Press any key to continue...

--------------------------------------------------------------------------------
Port 8                          : TCP Server Mode
TCP alive check time (0-99min)  : 7
Inactivity time                 : 0
Max connection                  : 4
Ignore jammed IP                : No
Allow driver control            : No
Packing length                  : 0
Delimiter 1                     : (Disable) 0
Delimiter 2                     : (Disable) 0
Delimiter process               : Do Nothing
Force transmit                  : 0
Local TCP port                  : 64008
Command port                    : 973

Press any key to continue...

--------------------------------------------------------------------------------
Enable the accessible IP list   : Disable
1       Disable                         0.0.0.0
2       Disable                         0.0.0.0
3       Disable                         0.0.0.0
4       Disable                         0.0.0.0
5       Disable                         0.0.0.0
6       Disable                         0.0.0.0
7       Disable                         0.0.0.0
8       Disable                         0.0.0.0
9       Disable                         0.0.0.0
10      Disable                         0.0.0.0
```

```
11      Disable                         0.0.0.0
12      Disable                         0.0.0.0
13      Disable                         0.0.0.0
14      Disable                         0.0.0.0
15      Disable                         0.0.0.0
16      Disable                         0.0.0.0

Press any key to continue...

--------------------------------------------------------------------------------
Mail server                     :
My server requires authenticat : Disable
From account address            : NP5650-8-DT-J_5808@NP5650-8-DT-J
Email address 1                 :
Email address 2                 :
Email address 3                 :
Email address 4                 :
SNMP trap server IP or domain   :

Press any key to continue...

--------------------------------------------------------------------------------
                        Mail    Trap
Cold start              Disable Disable
Warm start              Disable Disable
Authentication failure  Disable Disable
IP address changed      Disable
Password changed        Disable
Ethernet1 link down     Disable Disable
Ethernet2 link down     Disable Disable

Press any key to continue...

--------------------------------------------------------------------------------
DCD changed
Port    Mail    Trap
 1      Disable Disable
 2      Disable Disable
 3      Disable Disable
 4      Disable Disable
 5      Disable Disable
 6      Disable Disable
 7      Disable Disable
 8      Disable Disable
Press any key to continue...

--------------------------------------------------------------------------------
DSR changed
Port    Mail    Trap
 1      Disable Disable
 2      Disable Disable
 3      Disable Disable
 4      Disable Disable
 5      Disable Disable
 6      Disable Disable
 7      Disable Disable
 8      Disable Disable
Press any key to continue...
```

```
--------------------------------------------------------------------------------
Model name        : NPort 5650-8-DT-J
MAC address       : 00:90:E8:3D:D6:7D
Serial No.        : 5808
Firmware version  : 2.2 Build 11090613
System uptime     : 0 days, 21h:21m:46s
--------------------------------------------------------------------------------
<< Main Menu >>
      (1) Basic settings
      (2) Network settings
      (3) Serial settings
      (4) Operating settings
      (5) Accessible IP settings
      (6) Auto warning settings
      (7) Monitor
      (8) Ping
      (9) Change password
      (a) Load factory default
      (v) View settings
      (s) Save/Restart
      (q) Quit

    Key in your selection: q
    Console is disconnected.
    Connection closed by foreign host
```