

How to write a Hello World for the DNP/9200 Web server

The DIL/NetPC DNP/9200 default embedded Linux configuration comes with a preinstalled embedded Web server (the *thttpd* – see also <u>http://www.acme.com/software/thttpd/</u> for more information). This feature allows you to access Web pages and CGI programs with a Web browser (CGI = Common Gateway Interface).

• **1. Step**: Run a Telnet client on your desktop PC (please see also: *mHT9200-08.pdf: How to use the DNP/9200 Linux Telnet Server*. Then enter the following command lines within this Telnet session:

```
cd /flash
mkdir www
cd www
cat > test.html
<html>
<head>
<title>Hallo Welt!</title>
</head>
<body>
<h1>Hallo Welt!</h1>
</body>
</html>
CTRL-D (CTRL-D stops the Linux cat command)
```

```
- 🗆 🗙
Telnet 192.168.0.126
  SSV Embedded Linux - Version 0.62
  blinux login: root
      @emblinux
                                  flash
       emblinux?
                              imkdir
                                      ພພພ
       emblinux /flash]$
emblinux www]$cat
                                  www
test.html
     le>Hallo Welt!<∕title>
     allo Welt!<∕h1≻
        emblinux www]$ls
xr-x 1 root
xr-x 1 root
                                                     0 Jan 1 12:02
0 Jan 1 12:00
93 Jan 1 12:04 test.html
                                 roo
      @emblinux www]$cat test.html
      é>Hallo Welt!<∕title>
       llo Welt!</h1>
  oot@emblinux www]$_
```

These command lines create the new HTML file **/flash/www/test.html** within the R/W (Read/Write) section of the DNP/9200 flash memory with the German version of "Hello World".



- 2. Step: Reboot your DNP/9200. The Linux O/S restarts then the *thttpd* Web server with the new directory /flash/www.
- **3. Step:** Run your PC Web browser and access the HTML file with your browser. Use the URL http://192.168.0.126/test.html. This URL assumes that your DNP/9200 is using the IP address *192.168.0.126*. Change this address if necessary.



Please note: The steps of this document are tested with the DIL/NetPC DNP/9200 and Linux kernel version 2.4.

That is all.