

How to write your first HTML page

Web pages for the eSOM/9263 web server are build (like web pages for any other web server) with HTML. HTML is short for **H**yper**T**ext **M**arkup **L**anguage. A web page is a text file with HTML tags (sometimes also called a *HTML document*) and other text information. HTML tags begin with a less-than ‘<’ sign and end with a greater-than ‘>’ sign. The text between ‘<’ and ‘>’ is the tag. The web browser reads the HTML document from the server like you do, top to bottom, line by line, left to right. Each tag is a special format command for the browser. There are opening tags “<...>” and closing tags “</...>” within a HTML document. The browser reads the opening tag, interprets the command, formats the text between the opening and closing tag, and display the result within the browser window.

- **1. Step:** Run a HTML editor on your PC (see mHT9263-03.pdf *How to download and install a HTML editor* for more details) and enter the following code lines:

```
<html>
<head>
<title>Hello world title</title>
</head>
<body>
Hello world!
</body>
</html>
```

The following table offers a brief explanation of each tag in this HTML sample code:

Tag	Meaning
<html>	Opening tag. Identifies the file type for the browser, in this case, a HTML-based web page.
<head>	Between the opening and closing <i>head</i> tags is where you place the header information of a HTML document.
<title>	Between the opening and closing <i>title</i> tags is where you place the title text information of a HTML document. The browser shows up the title text in the title bar at the top the browser window.
</title>	Closing <i>title</i> tag.
</head>	Closing <i>head</i> tag.
<body>	Between the opening and closing body tags is where you place the content of a HTML document.
</body>	Closing <i>body</i> tag.
</html>	Closing <i>html</i> tag.

- **2. Step:** Save the code lines to a file with the name *hello.html*. Then transfer this file from your PC to the eSOM/9263 directory */usr/local/webgui/eSOM6263/www-int* within the eSOM/9263 flash file system. Please use a FTP or TFTP session for the HTML file transfer from your PC to the DIL/NetPC DNP/9265 (see also 2.11 *Checking FTP Server* or 2.12 *Checking TFTP Client* of the *eSOM/SK2 eSOM/9263 Embedded Linux Starter Kit First Steps* user manual).

Please note: The eSOM/9263 Linux file system is write protected. Under ordinary operating conditions it is not possible to overwrite or delete a file. To disable the write protection just login with the username **root** and the password **root** and enter the following command:

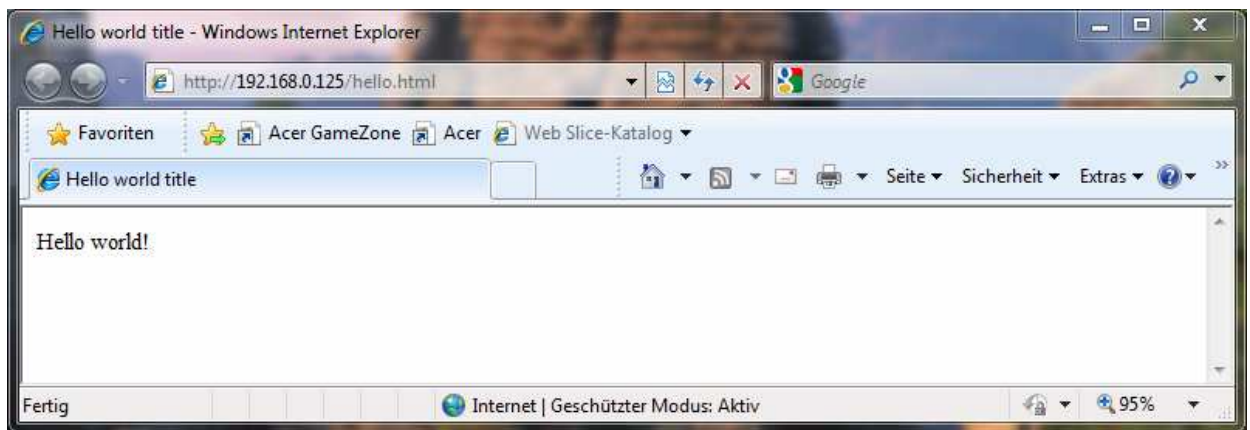
```
mount / -o remount,rw
```

This command „mounts,, the file system as read/write. All files are now writable and deletable. With the command:

```
mount / -o remount,ro
```

the system is set to the read-only initial condition after the boot process.

- **3. Step:** Run your web browser and access the new page over the System-on-Module eSOM/9263 web server.



That's all.