## How to write your first HTML page for the IGW/922 user web server

The software of the VPN Remote Access Gateway IGW/922 offers two different embedded web servers. One is available over TCP port 7777. This so called *configuration web server* works in HTTP mode only and is reserved for IGW/922 web-based configuration interface. Please see also the document *Web ConfigTool – User manual*. The other web server is accessible over TCP port 80 in HTTP mode or TCP port 443 in HTTPS mode. This so called *user web server* can be used for user applications.

This document describes how to write a simple HTML page, download this page to user web server default file space, and how to access this page over a web browser.

- **1. Step:** Use the IGW/922 web-based configuration interface and make sure that the FTP server is running and that the HTTP/HTTPS web server is also enabled. This server is the *user web server*.
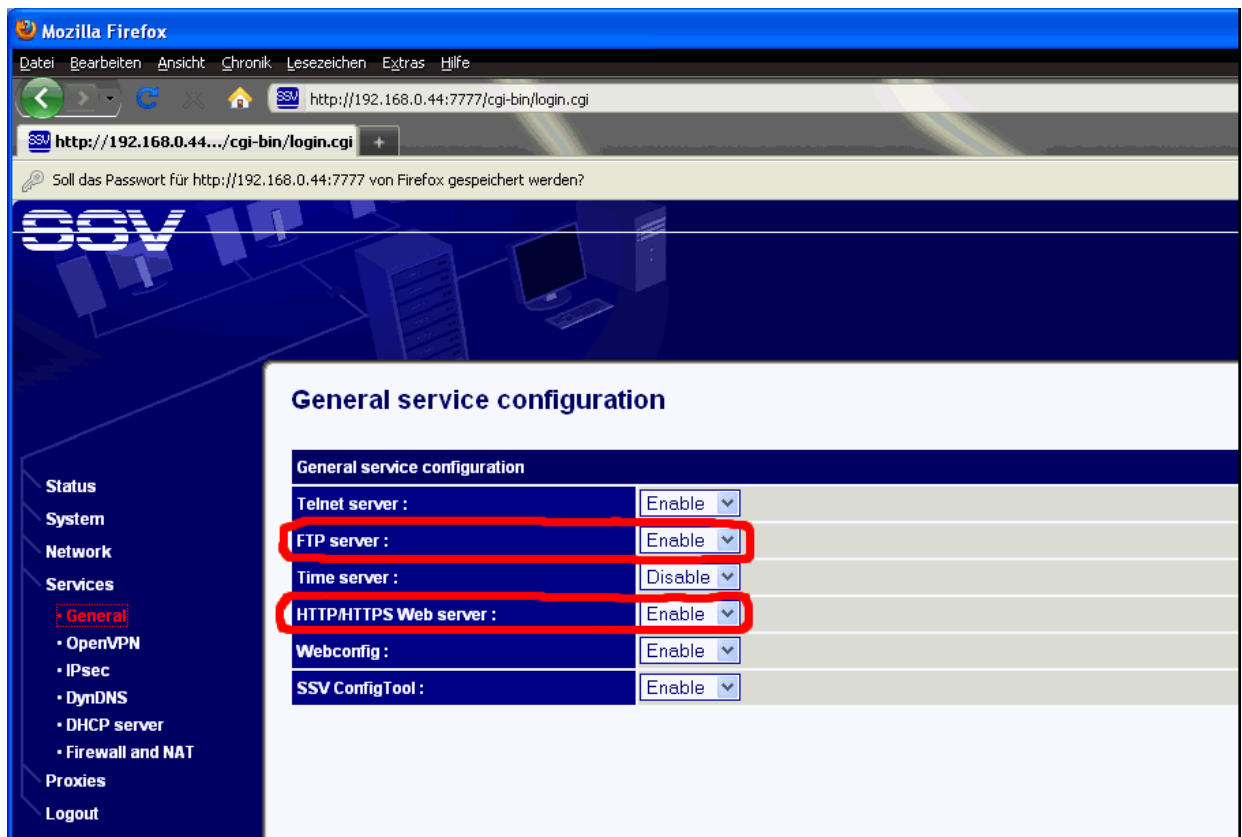
Web pages for the IGW/922 user web server are build (like web pages for any other web server) with HTML. HTML is short for **H**yper**T**ext **M**arkup **L**anguage. A web page is a text file with HMTL tags (sometimes also called a *HTML document*) and other text information. HTML tags begin with a less-than '<' 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.

- **2. Step**: Run a HTML editor on your PC (see mHTigw922-2 *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 *head* tags is where you place the header information of a HTML document.
<title>	Between the opening and closing *title* 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 *title* tag.
</head>	Closing *head* tag.
<body>	Between the opening and closing body tags is where you place the content of a HTML document.
</body>	Closing *body* tag.
</html>	Closing *html* tag.

- **3. Step:** Save the code lines to a file with the name *hello.html*. Then transfer this file from your PC to the IGW/922 directory */usr/local/www* within the IGW/922 file system. Please use a FTP session for the HMTL file transfer. The default IGW/922 FTP user name is ***root***. The default password for this user is also ***root***.
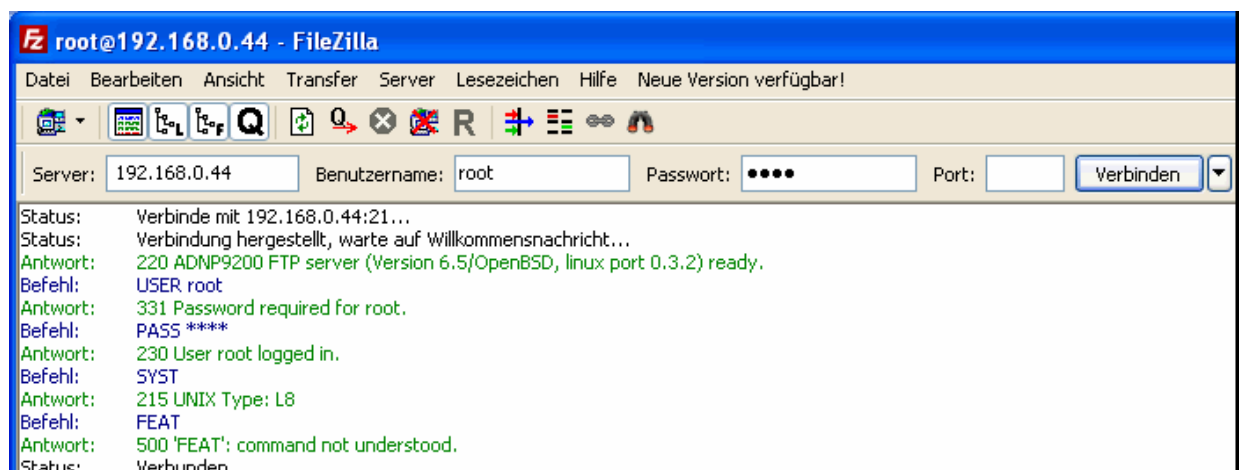
Please note: The IP address of the IGW/922 LAN1 Ethernet LAN interface in this example is *192.168.0.44.*
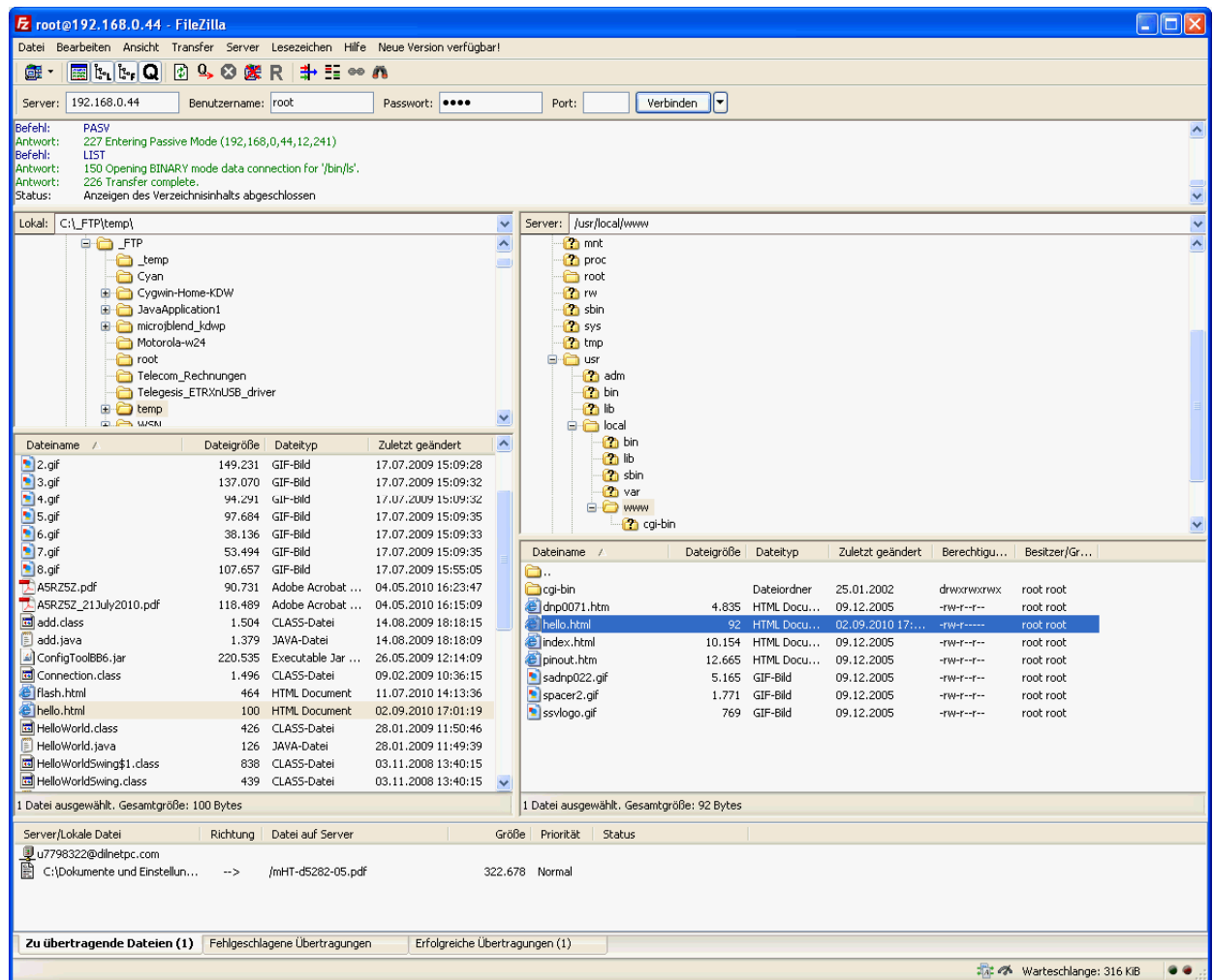
- **4. Step:** Run your web browser and access the new page over the IGW/922 user web server.
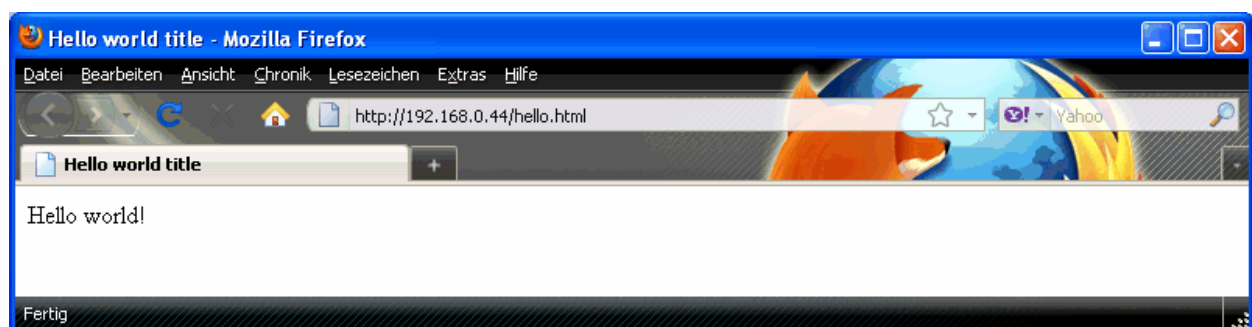
Please note: */usr/local/www* is a RAM disk directory. After the next reboot the file *hello.html* is removed from this directory.

That's all.