

# **SerWeb**

## **The WWW Server for Windows 3.1 (and NT !)**

### **version 0.3**

#### ***What is it?***

SerWeb is a WWW server that can run on the Windows 3.1 system. With this software, a user can set up a server and offer hypertext documents to users on the Internet (The user must have a Mosaic or Cello client). The server can be run in the background while the PC is performing other tasks, so a PC doesn't need to be dedicated to running the server.

The server might also be used if you want to remotely inspect files on the PC running SerWeb. This can be done by **TELNET XXX.XXX.XXX.XXX YY** [Where XXX= IP address of the server and YY is the port] and then typing **GET XXXXXX** [where XXXX is the file you want to see]. The file will be displayed on the screen at that time.

#### ***Miscellaneous Stuff***

This program is distributed for free and I make no claims whatsoever that it works. It is in no way associated with any work that my current employer does. You might not sell it at all or offer it in a way in which person will have to pay a fee (CD-ROM, diskette, etc).

#### ***Why write this program?***

I wrote the program for three reasons -

1. Learn about Visual C++.
2. Learn about WWW.
3. Learn how to program winsock.

#### ***Notes about this release***

This release has been tested for several weeks by numerous users and all report no problem. There is a long wish list of features to add, and unfortunately I don't have time for. Therefore, if someone is interested on helping out and continuing development or working with me on enhancements, I would be willing to do that.

If you plan on adding functionality to the code, please let me know. Other users might be doing the same and therefore you might be duplicating work.

If you can drop me a line and let me know how it has worked on the different winsock software, I would appreciate it.

#### ***How to install***

1. Unzip the files into a directory where the program will reside (No particular one needed).
2. Edit the **SERWEB.INI** file to specify your site specific features.
3. Copy the **SERWEB.INI** file into the windows directory.
4. Define the program to the program manager.

#### ***Configuration Options (SERWEB.INI)***

You can configure the following options on the **SERWEB.INI** file (the default option is shown) -

**PortNumber = 80** Which port number the server will listen to incoming connections.  
**HowManyClients = 5** Defines how many clients can be requesting server files at the same

time. You might want to adjust depending on the speed of your machine.

**ClosedServer = 0** If set to 0 the server will send files requested by the client. If set to 1 the server will send the message specified on the **ClosedServerOption**. You might want to disable the server while running some program on the PC that is resource hungry, or you are upgrading some files.

**PeriodAllowed = 1** If set to 0 the server will allow request for file names with a .. on the path (For example [c:.\secure\secret.txt]). This can be used to get to files outside of the **SendDir**.

The recommended option is 0, which does not allow it.

**PrintOut = 1** If set to 1, status messages are printed. If set to 0, no messages are printed and the system will run a little bit faster.

**SendDir = c:** Defines where the files will be send from. For example, if defined as **C:\HTML** when user request file **TEST**, the server will try to get **C:\HTML\TEST**. If you don't care if people access all your files, you might want to leave it as if. **However, we recommend for security issued, that you put all your HTML files on their own directory and set this option appropriately.**

**FileNotExistMsg = c:\serweb\nofile.htm** A file that will be sent when the user request a file that doesn't exist. This can be an HTML file, in which case, you might want to put a reference to your **DEFAULT.HTML** page.

**ClosedServerMsg = c:\serweb\closed.htm** A file that will be sent when the server is off-line (See **ClosedServer**)

**PeriodAllowedMsg = c:\serweb\period.htm** A file that will be sent if the user request a .. in the path, but the server doesn't allow it.

### **Enhancements -**

I would like to add (previously read "I plan on adding") the following -

1. Logging of all activity on a user selected file.
2. Adding display of the host that is making a request.
3. Add security features, in which you can specify what host can come into the system.
4. Help File showing what the different status window messages mean (*Unsure how useful?*)

If there is some features that you might want added, let me know and I will try to see if someone is working on it .

Note that I have only spent time on this program after work hours, on week-end, or when my wife and I fight, so the time I get to do coding is very limited. I don't promise I can add many things to it. If some one is interested on adding pieces or helping, feel free to send a note.

### **Bug fixed**

The server01 file was corrupted and therefore does not work.

The serweb02 file did not properly send large inline pictures.

### **How to reach me?**

I can be reached by e-mail at **estrella@cass.ma02.bull.com**. I would like to hear from you how the system works, and how you are using it.

Regards, Gustavo Estrella