

MRJ Minimal Webserver

This application demonstrates the power of Java and of Macintosh Runtime for Java (MRJ) - Apple's implementation of the Java virtual machine for MacOS.



In less than 600 lines of source code (including comments and whitespace), or less than 32Kb of object code you get a working, multithreaded webserver. All this packaged as a standalone, double-clickable MacOS application that that looks and feels as it should.

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System Requirements

- MRJ 1.02 (comes with MacOS 8), but preferably MRJ 1.5
you can download either from <http://applejava.apple.com>
- active TCP/IP
at least enable TCP/IP and give your machine a IP address

Running the WebServer

With MRJ installed on your MacOS computer, double-click the program icon named 'MRJ Minimal WebServer', give it some time to come up (due to heavy usage of multithreading, the user-interface comes up a bit slow). If all is well, you see the message 'WebServer started.', otherwise some error condition occured and a message will be printed in the console transcript window.

Use a browser on your own or on another machine on the same TCP/IP network to connect to the web server by typing its IP address in the location field. If you are on the same machine, you can also type the localhost address 127.0.0.1. Have fun!

Troubleshooting

If the web server did not start up as it should, it printed an error message in the console transcript window instead of the message 'WebServer started.'. In almost all cases the error will be related to the fact that TCP/IP is not started up correctly - double check this using the TCP/IP control panel.

Source Code

You can download the full source code of the MRJ Minimal WebServer as a MetroWerks CodeWarrior Pro 1 MacOS project from <http://www.ping.be/BetaNine>.

Based on code by David Brown of the [Java Developers Connection](#).



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