

Tcpconns FTPServer

USER'S MANUAL



OSI certified

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About this manual

Welcome. Thank you for choosing the tcpconns FTPServer for your FTP serving needs.

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<http://www.flickr.com/photos/johnniewalker/359440369/sizes/l/>.

About the tcpconns FTPServer project

System requirements

Java

To be able to run the tcpconns FTPServer you need to have JAVA installed. Either the JRE (version 5 or higher), or the JDK (version 1.5 or higher). The SUN JRE can be downloaded **for free** on sun's website: <http://java.sun.com/javase/downloads/index.jsp>. The SUN JRE (java runtime environment) and SUN JDK (java development kit) are available for every major platform: **Windows, Macintosh, Linux, Solaris/OpenSolaris**, and **FreeBSD/PCBSD** (the latter can be found on <http://www.freebsdoundation.org/downloads/java.shtml>, http://www.pbidir.com/bt/pbi/3/java_jdk). On Ubuntu e.g., the SUN JRE/JDK is available through the Synaptic Package Manager as well.

Installing java

to be written

Security

To be able to use the SSL/TLS features of FTPServer, which allow the use encryption and advanced authentication capabilities, you need to install the Java Cryptography Extension (JCE) **Unlimited Strength Jurisdiction Policy Files**, which can also be downloaded from sun's website at <http://java.sun.com/javase/downloads/index.jsp>.

Installing the unlimited strength jurisdiction policy files

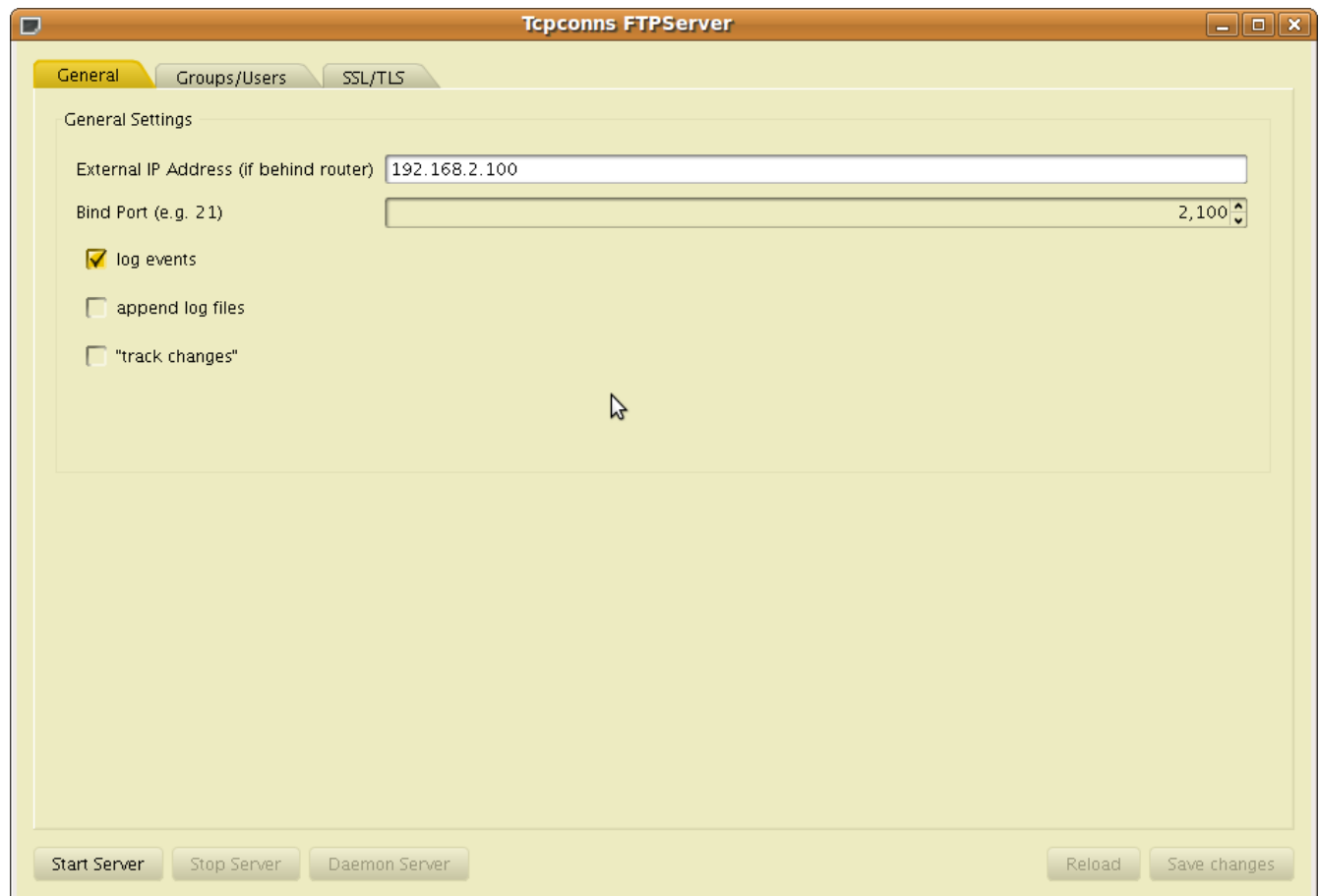
to be written

Starting and stopping the server

The FTPServer is started like any other java application. Locate the ftpserver.jar. Depending on your platform and your user settings, do one of the following:

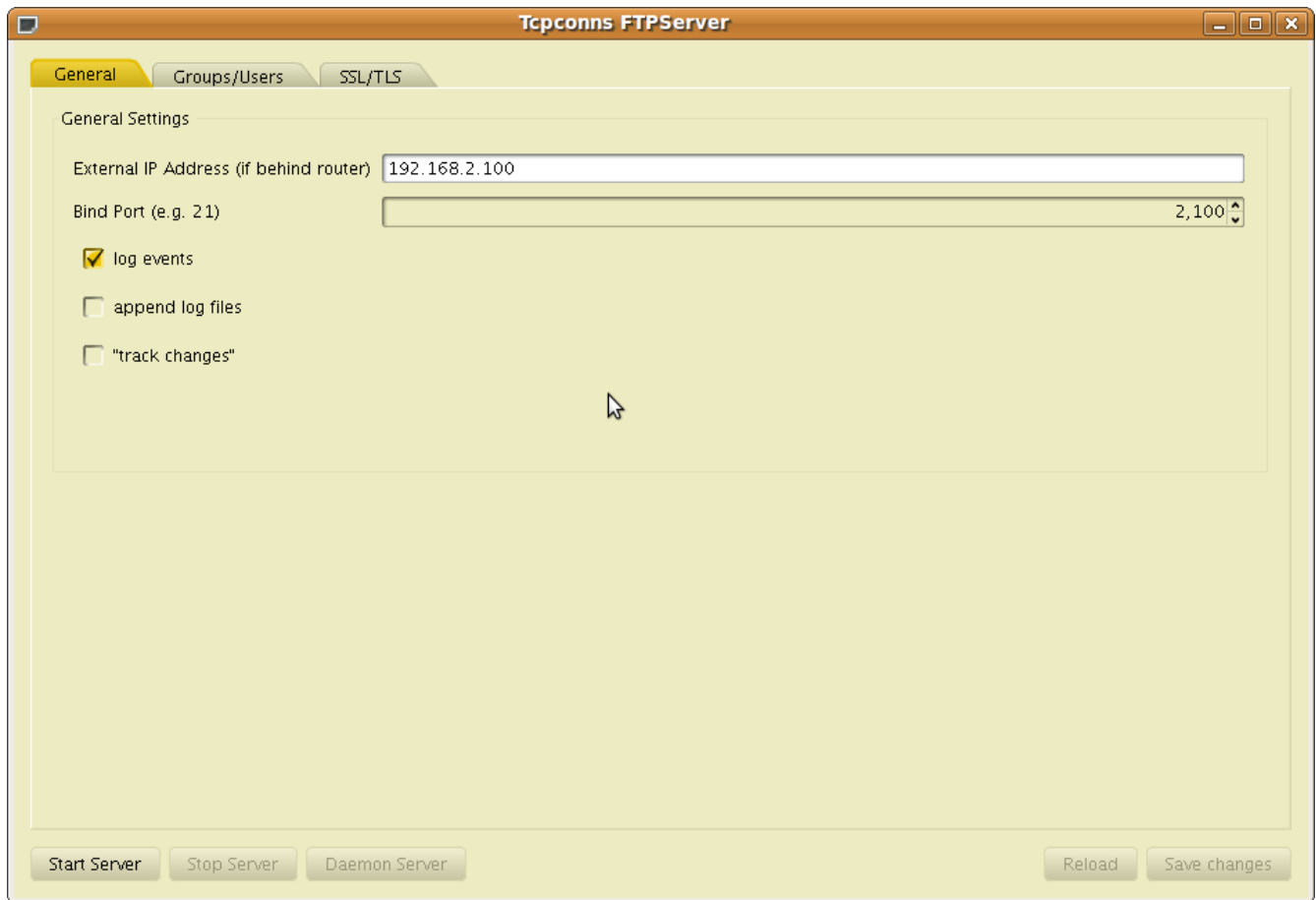
- double click on the ftpserver.jar. This will either start the program or will open an archive manager tool (since a .jar is like a .zip).
- open a terminal/dosbox and browse to the folder that contains ftpserver.jar. Then type “java -jar ftpserver.jar” and hit the [ENTER] button on your keyboard. This should start the program.
- create a link that does the same as the option directly above this one.

Once FTPServer is running, it will display a window that looks like:



Settings

Settings on the “General” tab page



The screenshot shows a window titled "Tcpconns FTPServer" with three tabs: "General", "Groups/Users", and "SSL/TLS". The "General" tab is selected. Inside the "General Settings" section, there are three input fields: "External IP Address (if behind router)" with the value "192.168.2.100", "Bind Port (e.g. 21)" with the value "2,100", and a checkbox for "log events" which is checked. Below these are two more checkboxes: "append log files" and "track changes", both of which are unchecked. At the bottom of the window, there are five buttons: "Start Server", "Stop Server", "Daemon Server", "Reload", and "Save changes".

Tcpconns FTPServer

General Groups/Users SSL/TLS

General Settings

External IP Address (if behind router) 192.168.2.100

Bind Port (e.g. 21) 2,100

☒ log events

☐ append log files

☐ "track changes"

Start Server Stop Server Daemon Server Reload Save changes

Settings on the “Groups/Users” tab page

Tcpconns FTPServer

General **Groups/Users** SSL/TLS

Users and group membership

user ▼

☒ account is active ☐ require password to be correct

member of ▼

Groups and user rights

group ▼

folders ▼

files ☒ see ☒ read ☐ rename ☐ append to ☐ create new ☐ overwrite ☐ delete ☐ all ☐ none

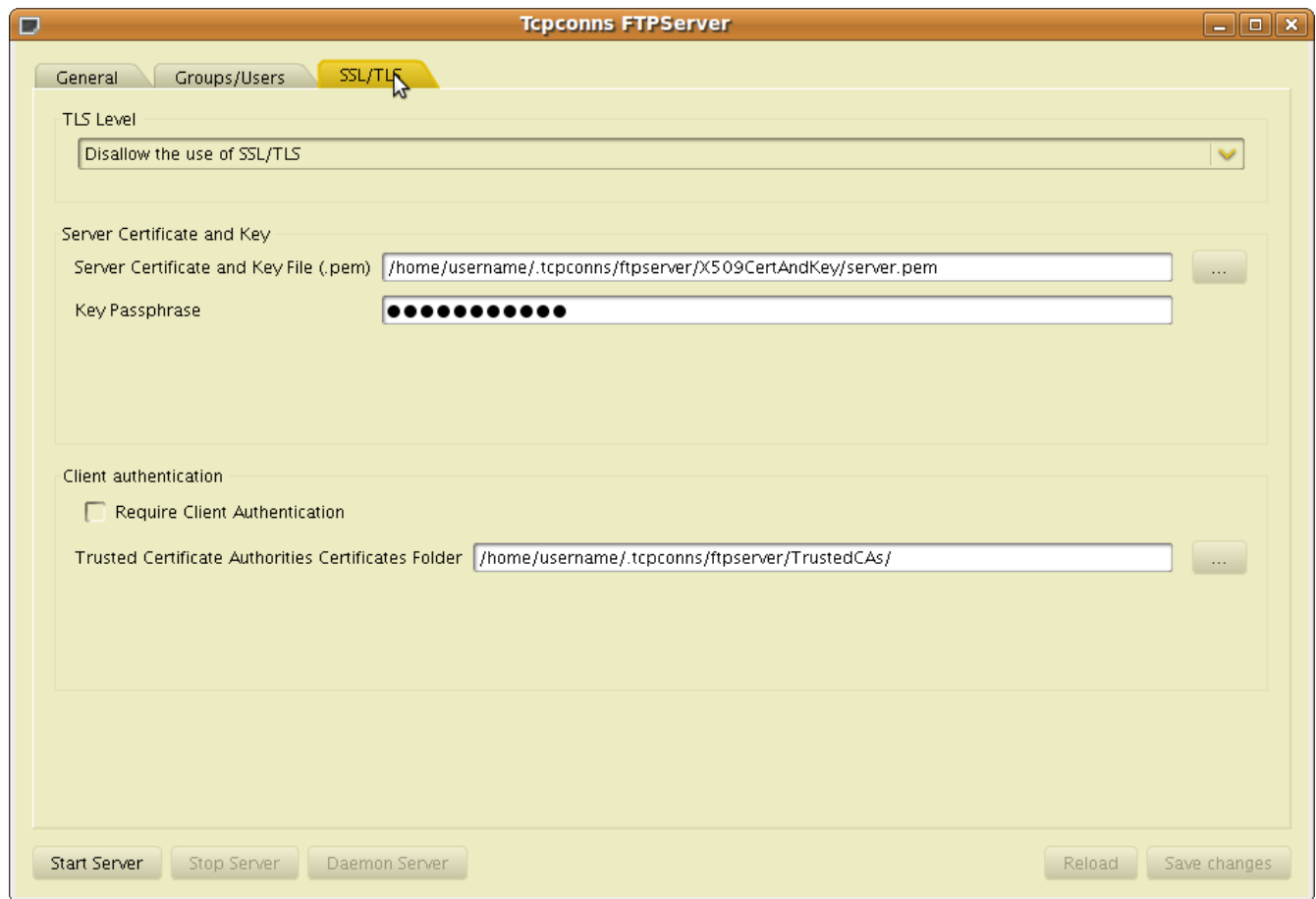
subdirectories ☒ see ☒ traverse ☐ rename ☐ make ☐ remove ☐ all ☐ none

hidden files ☐ see ☐ read ☐ rename ☐ append to ☐ create new ☐ overwrite ☐ delete ☐ all ☐ none

hidden subdirectories ☐ see ☐ traverse ☐ rename ☐ make ☐ remove ☐ all ☐ none

opening folder ▼

Settings on the “SSL/TLS” tab page



The screenshot shows the 'Tcpconns FTPServer' application window with the 'SSL/TLS' tab selected. The window has a title bar with standard OS controls. Inside, there are three tabs: 'General', 'Groups/Users', and 'SSL/TLS'. The 'SSL/TLS' tab contains the following settings:

- TLS Level:** A dropdown menu currently set to 'Disallow the use of SSL/TLS'.
- Server Certificate and Key:**
 - Server Certificate and Key File (.pem):** A text field containing the path '/home/username/.tcpconns/ftpserver/X509CertAndKey/server.pem' with a browse button ('...') to its right.
 - Key Passphrase:** A text field filled with 16 black dots.
- Client authentication:**
 - Require Client Authentication:** An unchecked checkbox.
 - Trusted Certificate Authorities Certificates Folder:** A text field containing the path '/home/username/.tcpconns/ftpserver/TrustedCAs/' with a browse button ('...') to its right.

At the bottom of the window, there are five buttons: 'Start Server', 'Stop Server', 'Daemon Server', 'Reload', and 'Save changes'.