

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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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

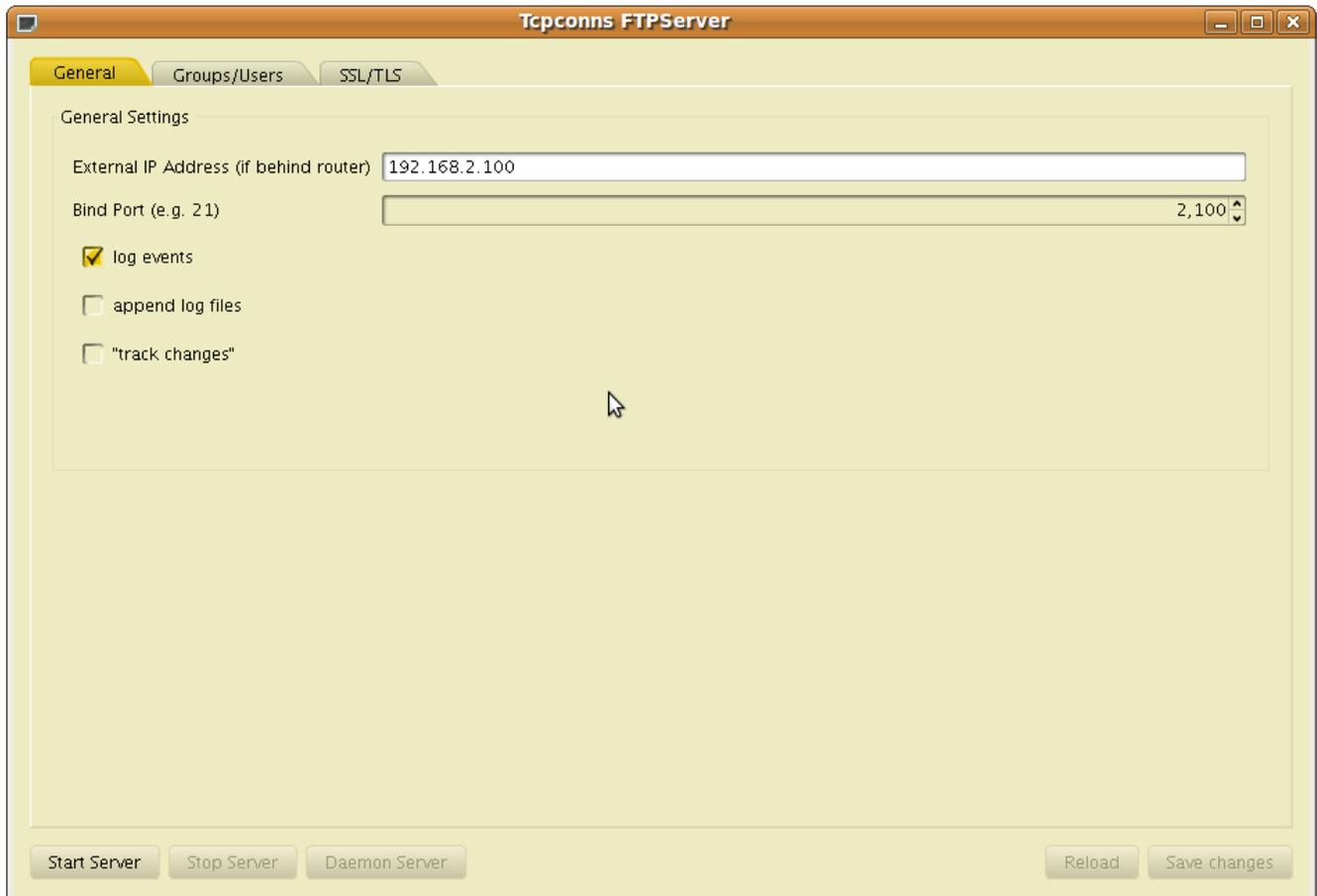
to be written

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:

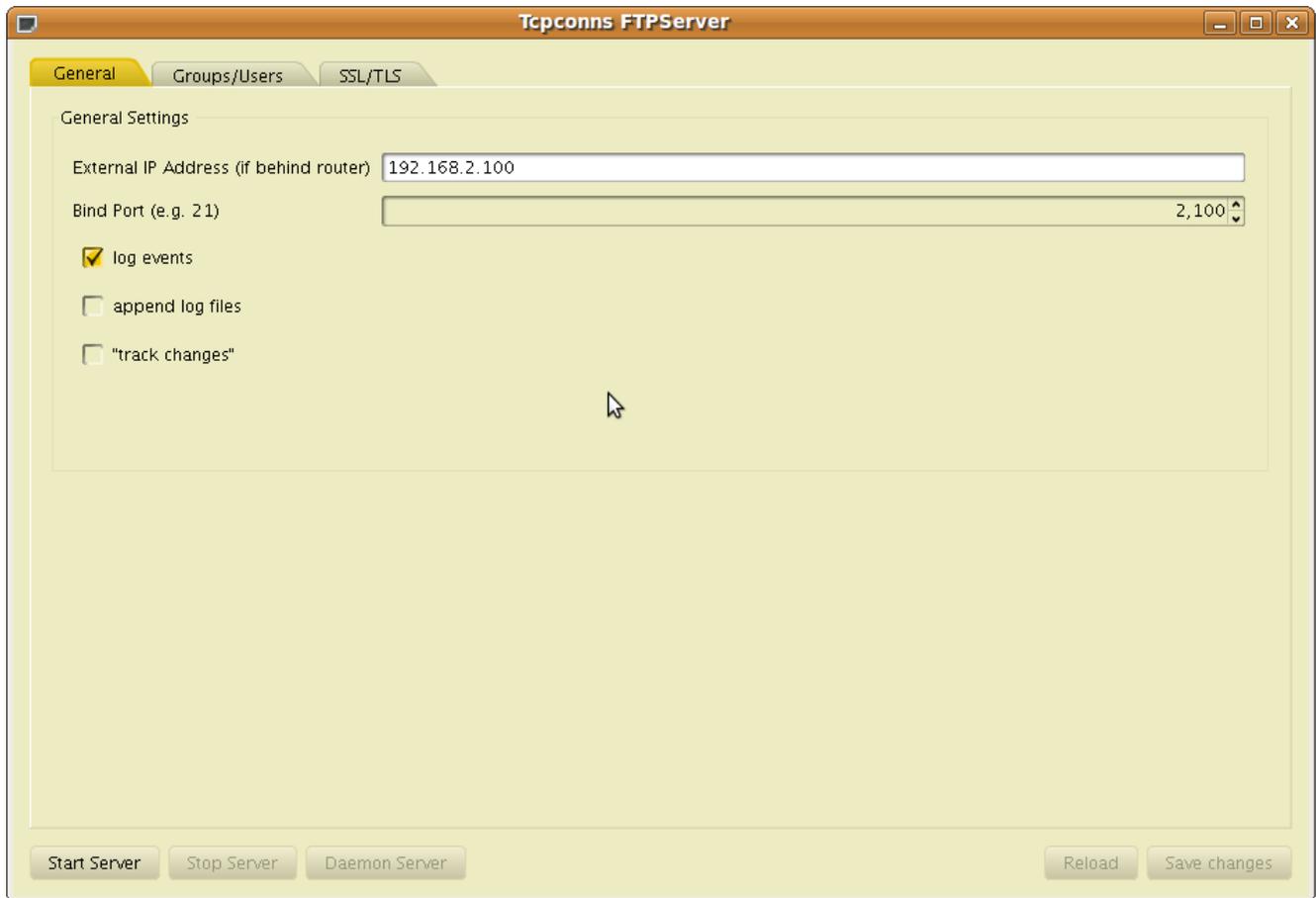
- double click on the ftpserver.jar. This will either start the program or will open an archive manager tool (since a .jar is like a .zip).
- open a terminal/dosbox and browse to the folder that contains ftpserver.jar. Then type “java -jar ftpserver.jar” and hit the [ENTER] button on your keyboard. This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



Settings on the "Groups/Users" tab page

The screenshot shows the 'Tpcconns FTPServer' configuration window with the 'Groups/Users' tab selected. The window is divided into three main sections: 'Users and group membership', 'Groups and user rights', and a bottom control bar.

Users and group membership:

- user:** anonymous (dropdown menu)
- Buttons:** add user, rename user, delete user, reset passphrase
- Account status:** account is active, require password to be correct
- member of:** anonymous (dropdown menu)

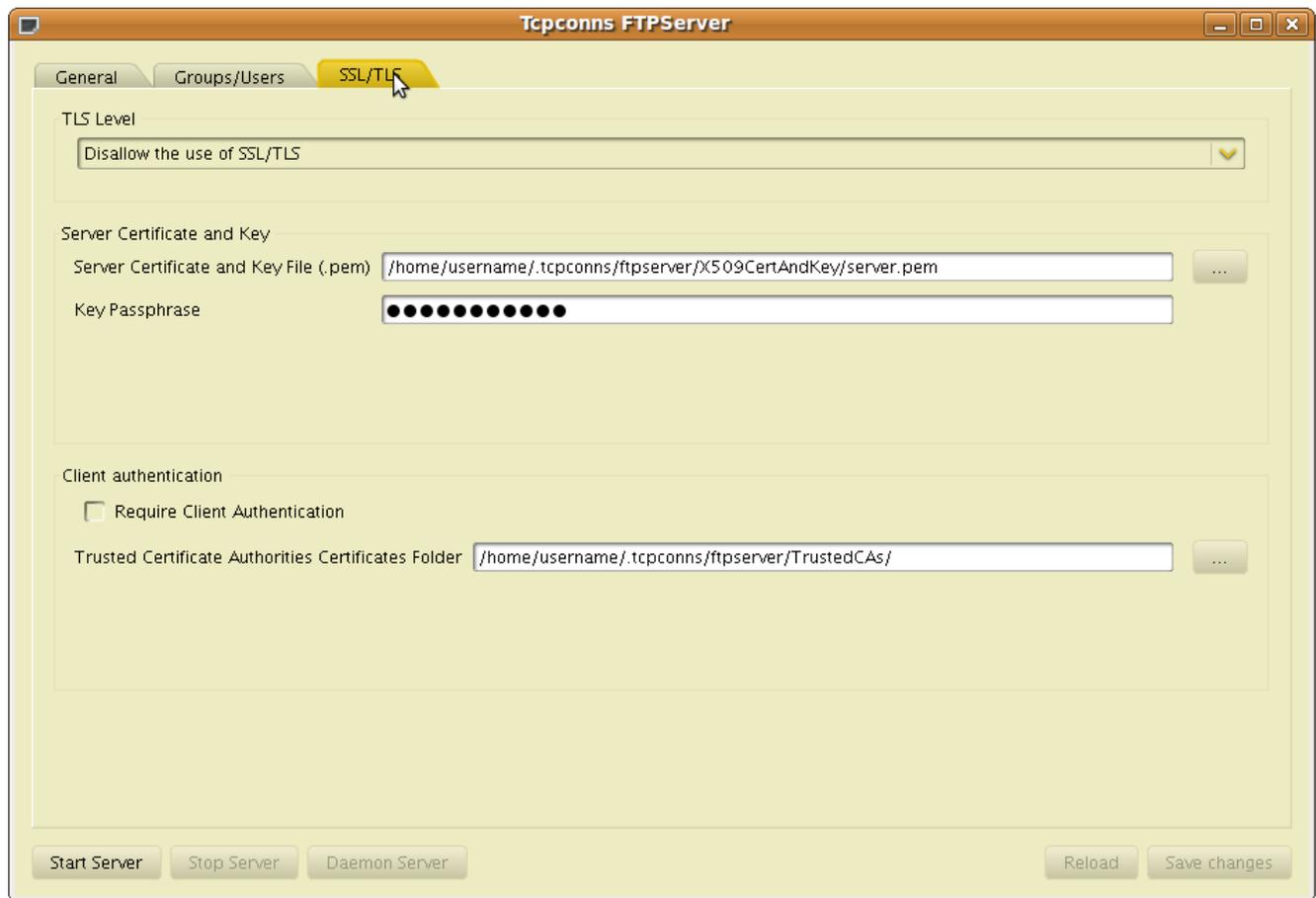
Groups and user rights:

- group:** anonymous (dropdown menu)
- Buttons:** add group, rename group, delete group, copy group
- folders:** /home/username/.tcpconns/ftpsrvr/anonymous/ (dropdown menu)
- Buttons:** add folder, delete folder
- Permissions:**
 - 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:** /home/username/.tcpconns/ftpsrvr/anonymous/ (dropdown menu)

Bottom Control Bar:

- Start Server** (button)
- Stop Server** (button)
- Daemon Server** (button)
- Reload** (button)
- Save changes** (button)

Settings on the "SSL/TLS" tab page



The screenshot shows the "Tpcconns FTPServer" application window with the "SSL/TLS" tab selected. The window has a title bar with standard minimize, maximize, and close buttons. Below the title bar 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` and a browse button (...).
 - Key Passphrase:** A text field filled with 12 black dots.
- Client authentication:**
 - Require Client Authentication**
 - Trusted Certificate Authorities Certificates Folder:** A text field containing the path `/home/username/.tcpconns/ftpserver/TrustedCAs/` and a browse button (...).

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