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CSCI-361

May 5th, 2015

Mini-Project Report

This program was designed from the ground up implementing java code to create a File Transfer Protocol from scratch. This program does not use existing java FTP libraries to accomplish this. This protocol was designed on an xubuntu 15.04 machine with java version 1.7.0 Installed via the repositories. The server has users hardcoded into the protocol. The users may select to view current directory, change current directoy, send and receive files.

In order to use this protocol the server must be started before the client in order for the client to connect. The server must be started with a port number similar to the previous assignments. The client must be started with the ip address of the server as well as the port number the server was started with. In a static situation these can be hard coded to make the program simpler. The usage of this program is detailed in the readme filed in the folder containing both the client and server.

The are a few downsides of this protocol. The ability to add users "on the fly" via an admin account would be nice instead of hardcoding the user names and passwords. This is very very insecure and should not be used on the open Internet. Implementation of SSH would be nice as well to include a secure FTP. The server must be exited by the user in order to continue running. If the client exits suddenly the server crashes which can probably coded better.