

**PROJECT REPORT**

On

**TRANSFERRING FILES FROM SERVER TO CLIENT USING AN OPEN-SOURCE SOFTWARE**

Submitted by

**Alan James**

**Registration No.: 11903972**

**Program Name: B. Tech Hons. (Computer Science Engineering)**

Under the guidance of

**Ms. Navjot Kaur**

**School of Computer Science & Engineering**

**Lovely Professional University, Phagwara**

**INTRODUCTION**

**OBJECTIVE OF THE PROJECT**

Transferring files in this modern era has gotten easier due to the advancement in technology. Several open-source software is available, but FileZilla is a good option for those who want an easy interface and efficient working. The objective of this project is to understand the working of the open-source software FileZilla for transferring files from a remote server to a client machine. I also aim to provide a simpler working of the features of FileZilla and how they can be used to perform file transfers effectively and securely. Therefore, FileZilla is a tool to transfer files quickly, and its easiness makes it a simple choice for a wide range of users, from individual freelancers to large corporations.

**DESCRIPTION OF THE PROJECT**

FileZilla is a free and open-source FTP (File Transfer Protocol) software that allows users to transfer files between a local computer and a remote server. The software provides a user-friendly interface with drag-and-drop functionality and supports various file transfer protocols such as FTP, SFTP, and FTPS. FileZilla is available on multiple platforms, including Windows, Mac, and Linux. The software also supports the resume and transfer of large files, a site manager for managing multiple remote sites, and the ability to transfer files in the background. FileZilla is a popular and reliable option for those in need of a simple yet efficient FTP solution. This project also involves installing and configuring the FileZilla software, establishing a connection between the server and client, and performing the file transfer process.

**SCOPE OF THE PROJECT**

The scope of this project is wide and varies over time. The internet of worlds, artificial intelligence, and cybersecurity all thrive when files and systems are incorporated into usage. File transfer has always been a key aspect of all the technologies that we use today. Though through this project, I aim to only explain the FileZilla software, the future of the same open-source-based software is broad with newer startups coming up on the market. The project’s scope also covers any potential improvements over the existing ones and the issues that it faces.

**SYSTEM REQUIREMENTS**

**TARGET SYSTEM DESCRIPTION**

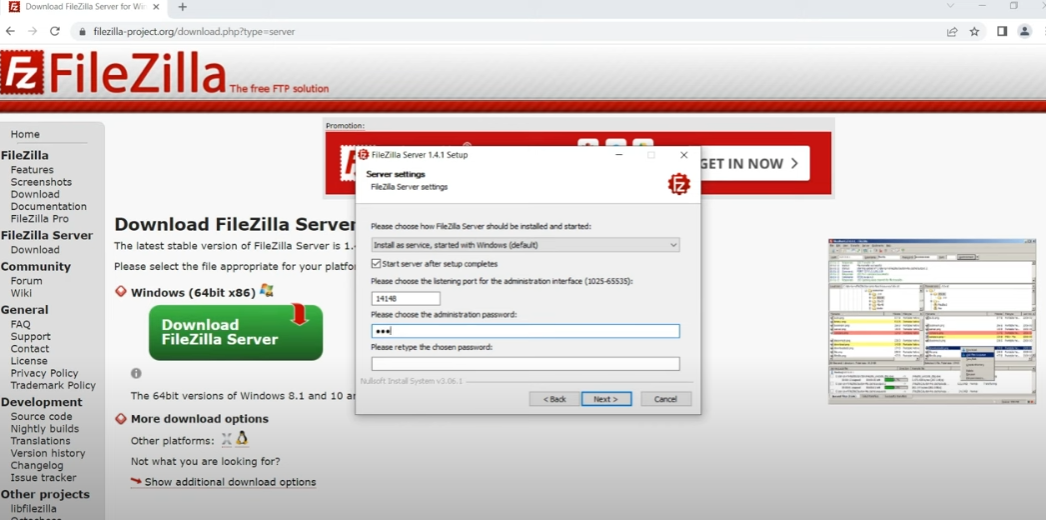
There is a minimum of the such required system to run FileZilla. FileZilla can run on any system with a good internet connection to request with the server. The system should also have enough space to install FileZilla, which is relatively a smaller software. For different operating systems, the official website of FileZilla mentions the links. As earlier mentioned, the software works on Windows, MacOS, and Linux too. The system should have a basic understanding of the network and security protocols, to securely transfer files between client and server. The target system needs minimal system requirements to run the software, and it should be fine to run it.

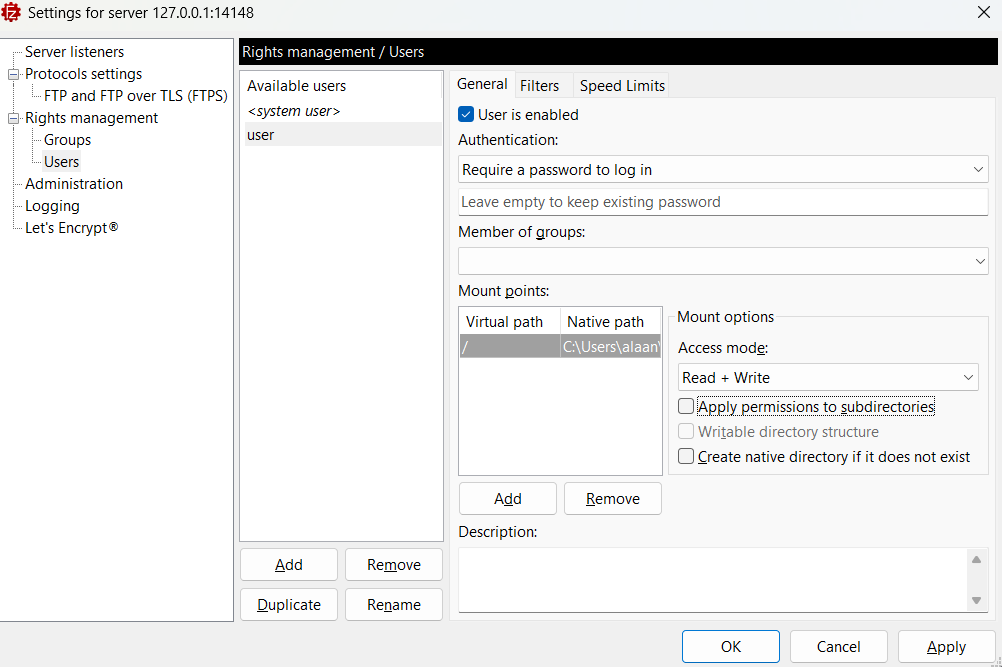
**ASSUMPTIONS AND DEPENDENCIES**

The functioning of this software requires the same things iterated in the above paragraph. This project assumes that the client and server systems are connected with the base software and connection. The software needs a local system and remote server or any server for transferring files. The project assumes that the software is compatible with Windows, MacOS, and Linux. Most importantly, there should be a stable internet connection if the need arises to transfer files over the internet. The server system should be enabled with FTP, SFTP, and other protocols too. For working in FileZilla, we need both client and server software, both of which are available on their website.

**ANALYSIS REPORT**

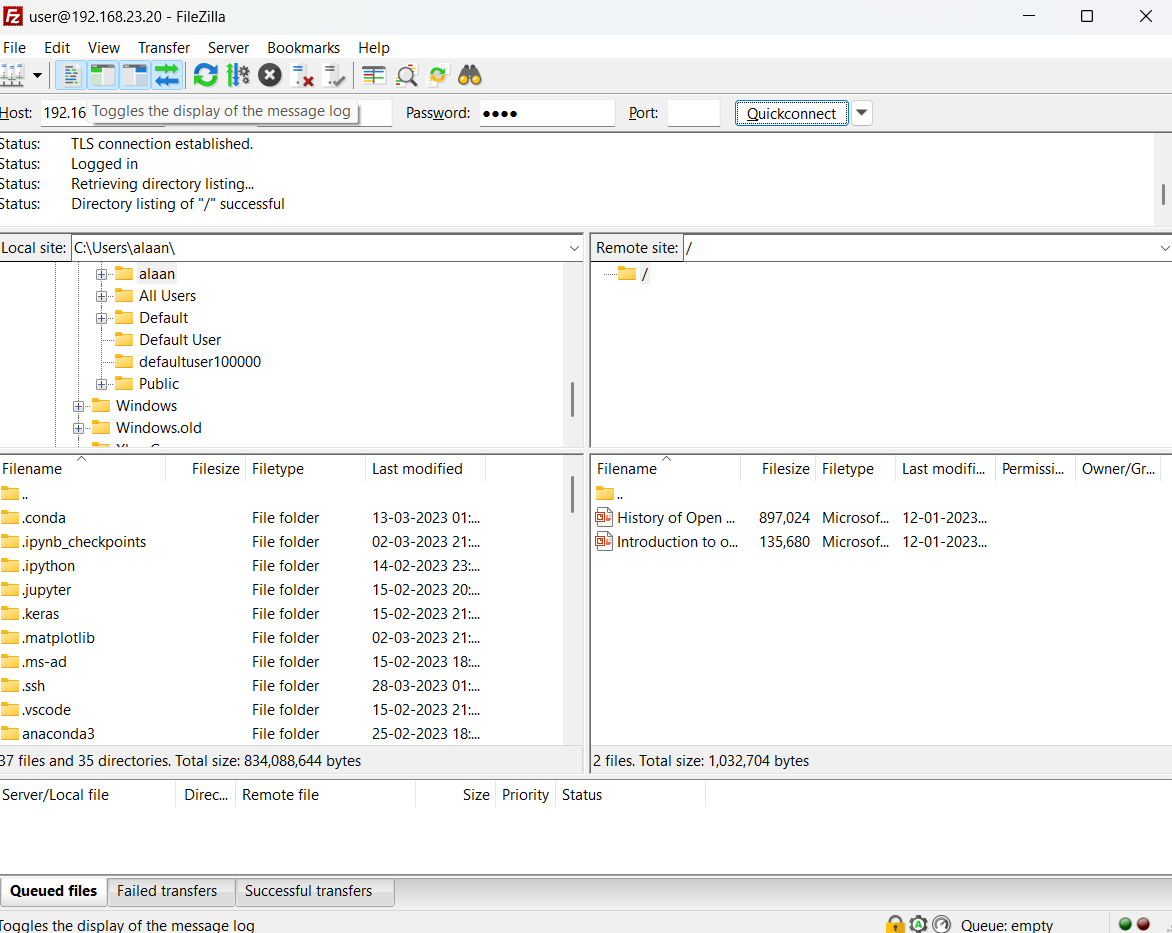
First of all download both the FileZilla client and server application setup from the official website. During the setup installation, enter any administrator password for local system server creation.



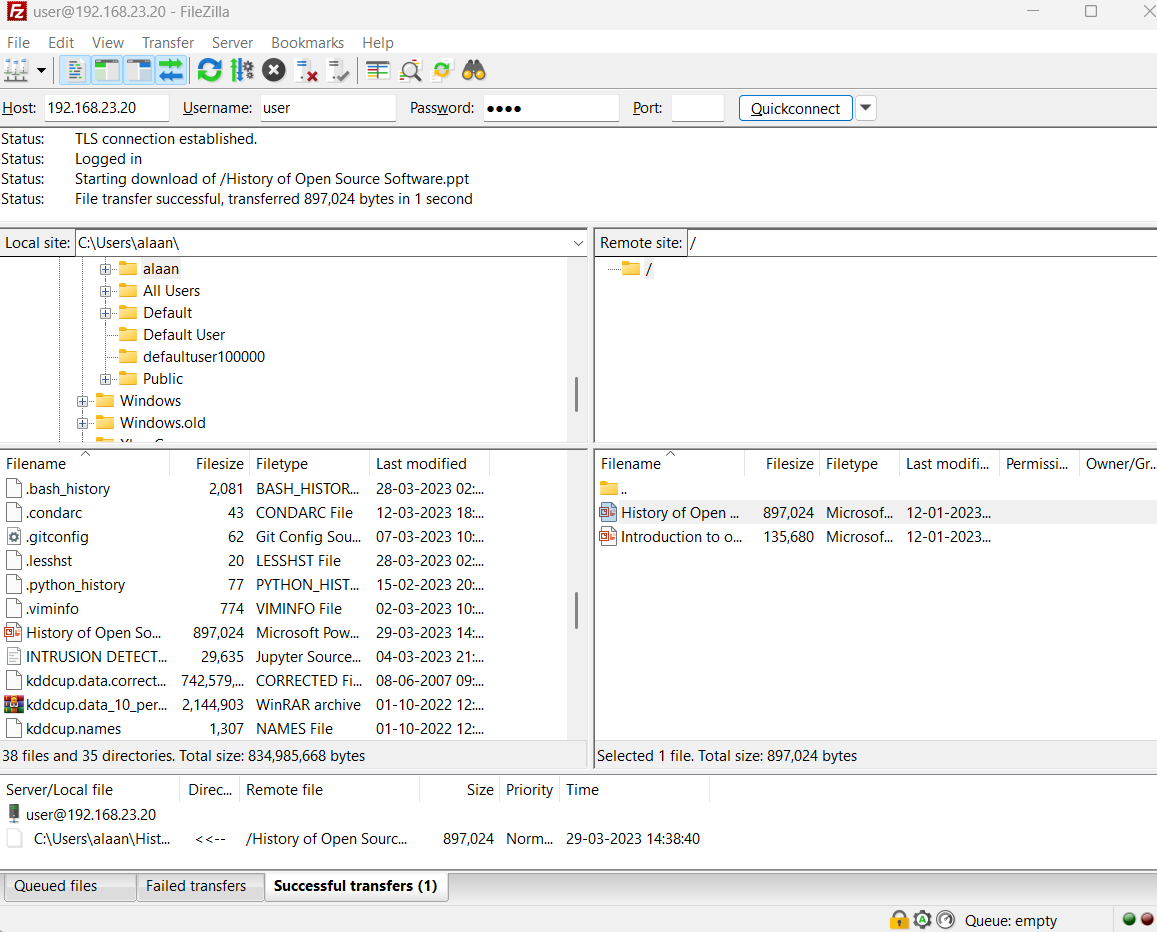
After that connect to the server, then configure the server settings. Beside the Right management tab, select the Users option and add a new user, give a custom name, and choose a native path to your local system.

We have set up the server.

Now, open the FileZilla Client Application. Enter the hostname which is ftp://*youripaddress*. Enter the username and password that you created for the local server in the above step. Then click on the QuickConnect option. The server and client connection has been established.



We can see that on the server side, we have 2 PowerPoint files. To transfer from server to client (left side), just drag and drop it the to desired location. In this case, I dragged the History of Open Source Software PowerPoint file to the client side on the left side of the window in a location. FileZilla will notify the transfer as complete under the Successful transfers tab on the bottom left side. You can verify the transfer by checking at the location where we transferred.



Therefore, we have transferred the file from the server to the client using the FileZilla software. Besides that, we can transfer files from the client side to the server side too. Also, we can connect to a hosted site and transfer files too. Although we have a used local system as an example in this project. FileZilla is an FTP client-based tool, and it supports transfer to remote FTP sites. It also provides an easy manager interface for file management.

**REFERENCES**

1. Wikipedia
2. FileZilla official website (<https://filezilla-project.org/>)
3. <https://www.hostinger.in/tutorials/ftp/filezilla-ftp-configuration>
4. <https://etc.engineering.uiowa.edu/help-deskcomputer-services-ecs/how-use/filezilla-file-transfer>