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What is FTP?

FTP Stands for **F**ile **T**ransfer **P**rotocoll and is the todays most common used protocoll for Transferring Files over the Networks. It Operates on **Port 21**

When it comes to transfer files from an Local Computer to an Online Server, you (at least in Today Standard) will use an Program for an "FTP" Access.

One of the most common ones is "Filezilla". But you can also freely use the Terminal of Windows if you want.

If you want to use Filezilla to establish an FTP connection to an Server in the Internet, you need a few Information.

- ==> The IP of the Server in Internet
- ==> The Username of on Authorized Username
- ==> The Password of an Authorized User

If you forget the Credentials, it is (sometimes) possible to login yourself as an "anonymous" user account (definitely not recommended).

If the Given User Login data is right, you will be prompted with the Configured Directory Start Directory for the User and Can Navigate with the most common Linux Commands.

How does FTP Work?

Speaking of The Login, FTP Uses 2 Channels to Work Properly.

Those are:

=> Command Channel for Transmitting and Replying to Commands

=> Data Channel for Transferring Data

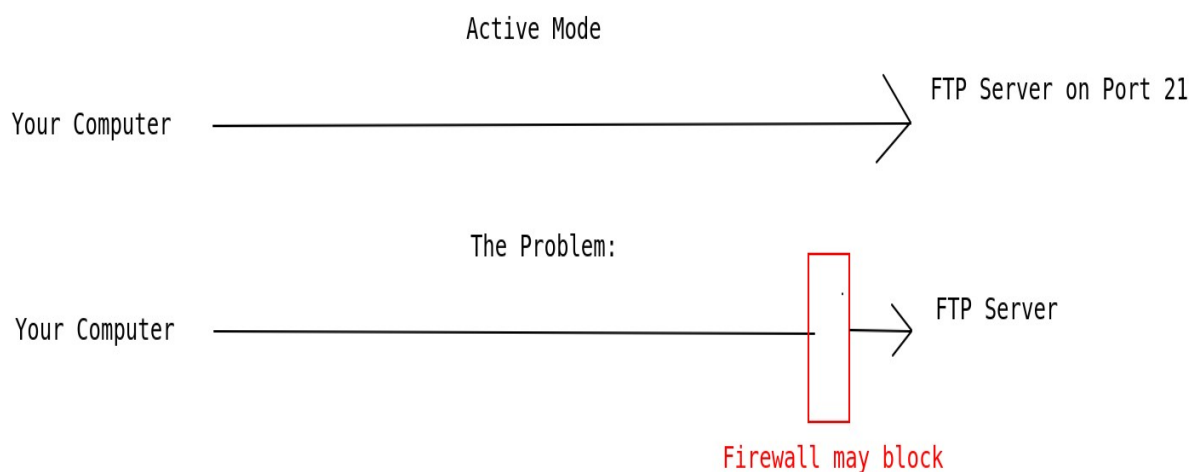
When you try to connect to an FTP Server (usually on Port 21) then there is a very Important Matter, if the "PASV" Command is existent or not.

There are in Total 2 "Modes" ftp knows.

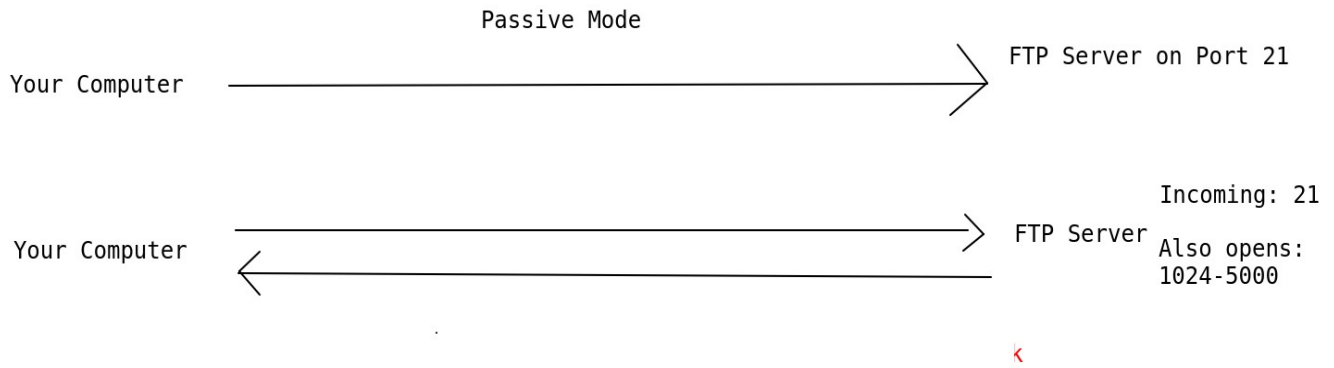
The Active and the Passive mode.

If the "PASV" command is send over the Command Channel then the Connection will be in "Passive mode" otherwise in "Active" mode.

The Active Mode is the "Standard" Mode of FTP but MIGHT Have some huge Problems in Terms of Firewall (Except you can freely open/close ports)



And now for the Passive Mode



You might already see why the Passive Mode is probably a better Choice.

Depending on your Firewall/Network you need to Choose which one is better for you.

Credits:

I Hope this might Help Someone on their Journey through Infosec :)

If so, feel free to contact me on Twitter : <https://twitter.com/MarcusChachuls1>

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