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Innovative Solutions for Industry

FTP Unistream to Filezilla

Equipment: USP-104-B10
                        Laptop
   **Filezilla server software**

Filezilla setup

Download and install Filezilla SERVER version to your laptop. Filezilla should be installed as a service but pick your preferred option when asked if the service should automatically start as a permanently running FTP server must be considered a security risk. Strong passwords should also be used where ever passwords are required.

It is not necessary to change any of the options or setting in Filezilla other than those specified below which all fall under the User tab. The user may wish to change more settings in relation to security but these are the bear minimum to get the transfer to work.

DO NOT check any TLS stings in Filezilla as Unistream does not support encrypted FTP.

Select Edit > Users
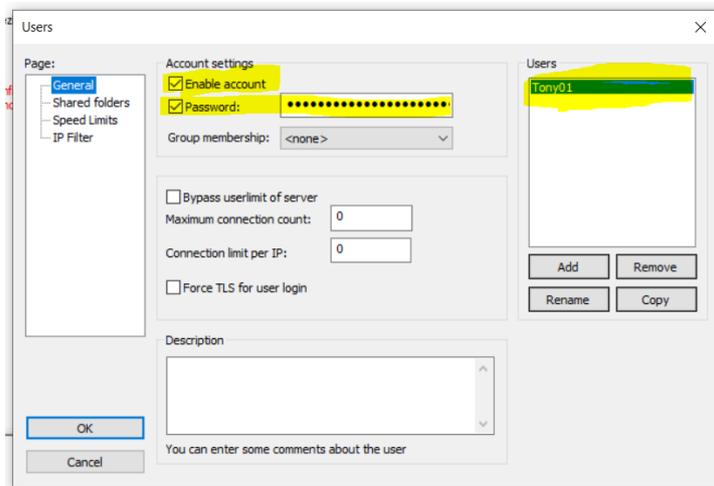
Add a user account name (Tony01) and enable the account plus add a password. This account name and password will be used by Unistream to log on to the FTP server.
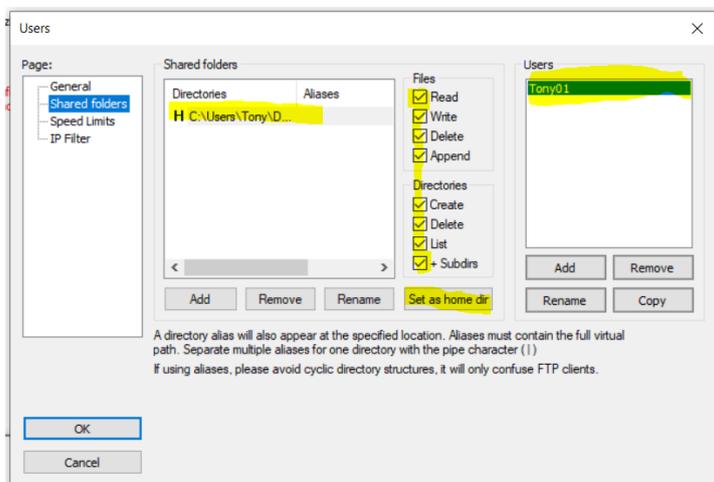
Assign the required file attributes to the user account and pick which shared folders the users can access. The shared folder pathlist points to a folder on the laptop, in this case in the documents folder.

C:\Users\Tony\Documents\FTP Root

This folder MUST exist on the laptop running Filezilla and is known as the Home directory, it should be highlighted and Set as Home Directory.

Filezilla is now ready to accept incoming connections.

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Windows Firewall

Any requests from Unistream to transfer to the laptop will be refused unless the correct rules are in place in the Windows Firewall. Without these rules the FTP Client status tag will return a -6 General error.
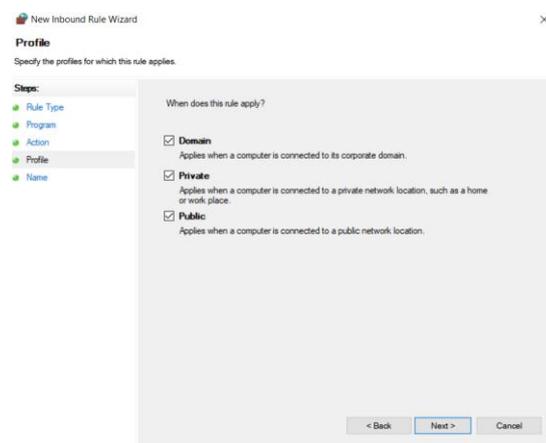
There are two rules require, one for the program and one for the ports. Open Windows Firewall Advanced Options and add a new Inbound rule.
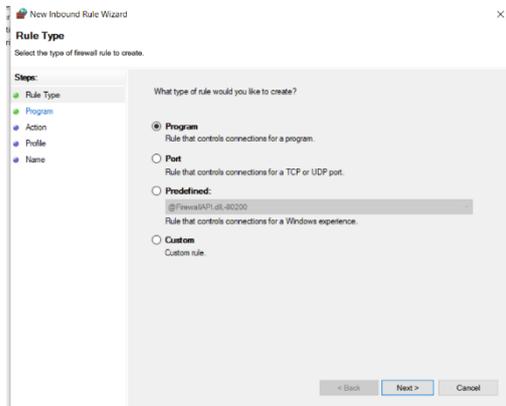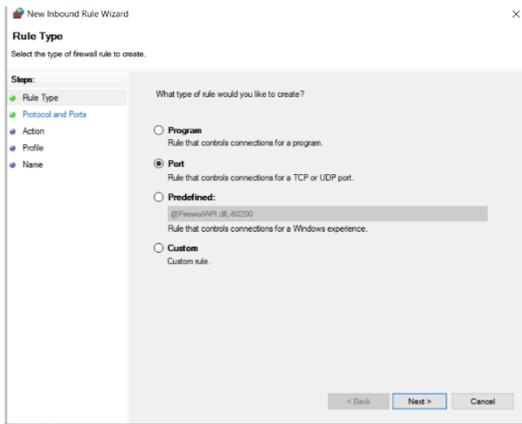
Select Program and Next. Select This Program Path and type

%ProgramFiles% (x86)\FileZilla Server\FileZilla Server.exe and Next
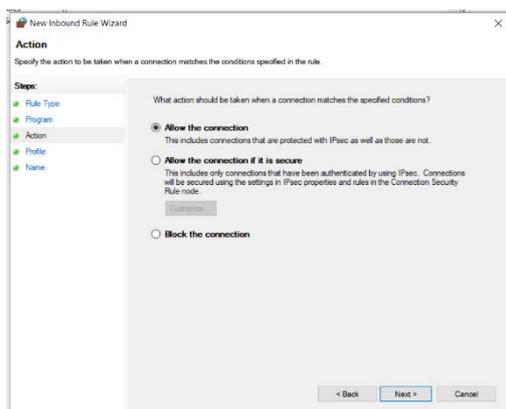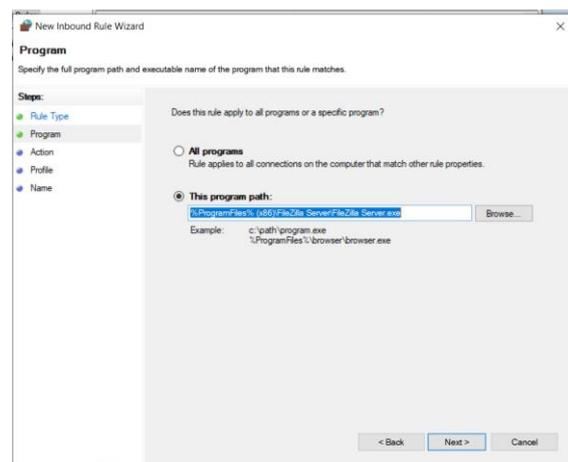
Select Allow the Connection and Next followed by three checked boxes and Next, Name the rule and finish.

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Add a new Inbound rule but select Ports and Next, then select TCP and add ports 20-21. Select Next and Allow the Connection then next and check the three boxes then Next and name the rule and finish.
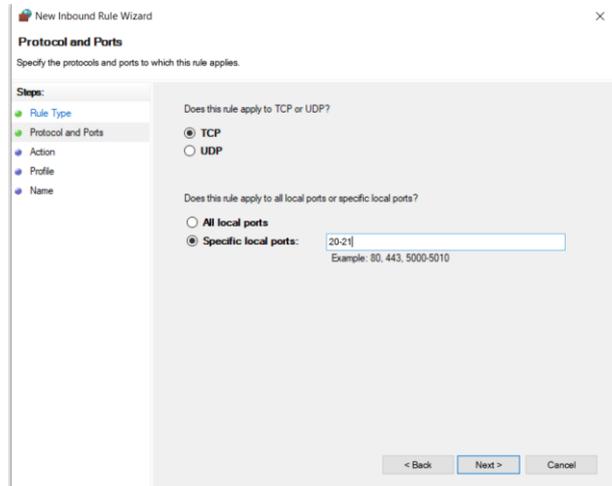
Unistream

The Unistream program "Filezilla FTP Server.ulpr" was the program used to transfer the FTP file from the SD card to the laptop.

Tony Spearing
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