

Connect to your MUD via the Internet - Your Own Personal Cloud (MyUsbCloud)

Prerequisites:

- You need to know the internal IP Address of your Hub - Nominally 192.168.0.1
- You need to know the external IP address of your Hub - Use a website such as [Whatis MyIPAddress](#)
 - Ideally you need your Hub to be assigned a Fixed IP, however with some ISP's the Hubs IP almost never changes
- Your MUD must have a Fixed IP - [Fine Tuning](#)
- You will need to have an SFTP client installed such as
 - Windows/Mac/Linux = [FileZilla](#)
 - Android/iOS (install via Play/App Store) = [CX File Explorer](#)

We will be configuring 'Port Forwarding' on your Hub; all Hubs will have a different interface but the process is the same
A Virgin Media Hub3 is used as an example
Download The Full Instructions

1 - Access your Hub

- Select 'Advanced Settings' > 'DHCP'
- Take a note of the 'Starting local address' (the start IP that will issued via DHCP)
 - Normally 192.168.0.10 - Therefore your MUD fixed IP needs to be in the range 192.168.0.2-9

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DHCP

DHCP settings

DHCPv4 server

This sections allows you to configure how the Hub 3.0 assigns IPv4 addresses. It is configured to be a DHCP (Dynamic Host Configuration Protocol) server by default. This provides the TCP/IP configuration for all connected devices.

☒ Enabled ☐ Disabled

Starting local address 192 . 168 . 0 . 15

Number of CPEs 240

Lease time 604800 seconds

Apply changes

1.1

Configure your MUD with a suitable fixed IP - [Fine Tuning](#)

2 - Re-Access your Hub

-Select 'Advanced Settings' > 'Port Forwarding' > 'Create a new rule'

-Configure as follows

-Local IP = The IP you will assign to your MUD e.g.192.168.0.9

-Local start port = 22

-Local end port = 22

-External start port = The Port number that you assign for external access (nominally in the range 49152 - 65535)

-External end port = The Port number that you assign for external access (nominally in the range 49152 - 65535)

-Protocol = TCP

-Enabled = Yes

-Select - 'Add rule'

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> Firewall

> MAC filtering

> IP and port filtering

> Port forwarding

Port forwarding

This function allows for incoming requests on specific port numbers to reach web servers, FTP servers, mail servers etc

Create a new rule

Local		External		Enabled	Delete
IP address	Port range	Port range	Protocol		
192.168.0.10	22-22		TCP	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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> Firewall

> MAC filtering

> IP and port filtering

> Port forwarding

> Port triggering

> DMZ

Port forwarding

This function allows for incoming requests on specific port numbers to reach web servers, FTP servers, mail servers etc

Local IP 192 . 168 . 0 .

Local start port

Local end port

External start port

External end port

Protocol

Enabled

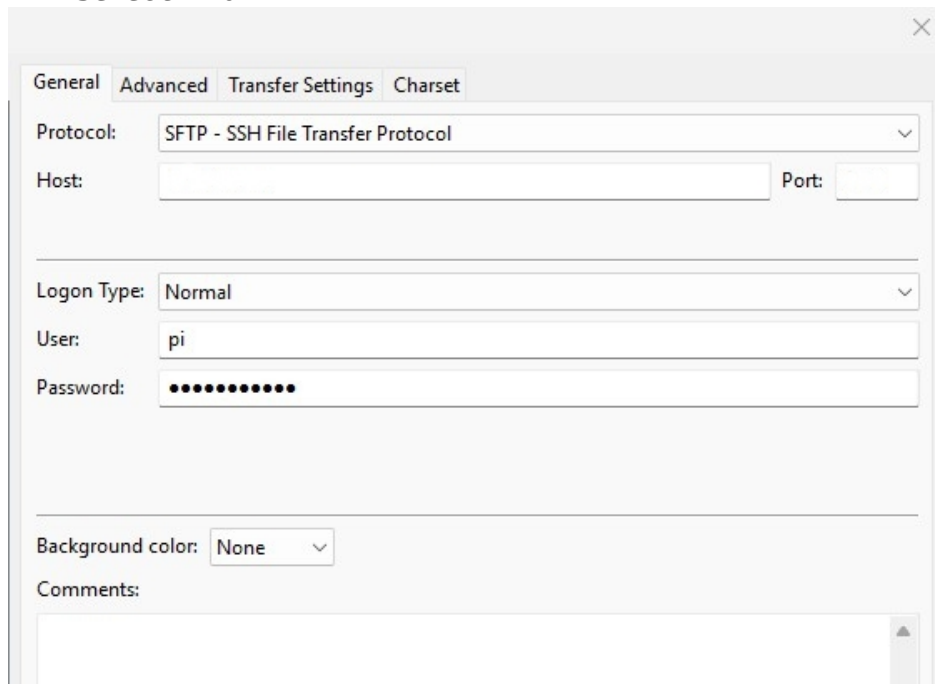
Cancel

Add rule

2.1

Example using [FileZilla](#)

- Open 'FileZilla' > 'File' > 'Site Manager' and configure as follows
 - Protocol = SFTP
 - Host = Your Hubs external IP
 - Port = The Port number you assigned above
 - Login Type = Normal
 - User = pi
 - Password = The assigned Password you have configured
 - [Fine Tuning](#)
 - Select - 'OK'



The screenshot shows the FileZilla Site Manager dialog box with the 'General' tab selected. The 'Protocol' is set to 'SFTP - SSH File Transfer Protocol'. The 'Host' and 'Port' fields are empty. The 'Logon Type' is set to 'Normal'. The 'User' field contains 'pi'. The 'Password' field is masked with dots. The 'Background color' is set to 'None'. There is a 'Comments' text area at the bottom.

Field	Value
Protocol	SFTP - SSH File Transfer Protocol
Host	
Port	
Logon Type	Normal
User	pi
Password	••••••••••
Background color	None
Comments	

2.2

Enjoy