

Chapter Eighteen (b): Advanced Port-forwarding

Summary of Chapter:

- How to set up port-forwarding on your Pilot with the Advanced Firewall.

What you need:

- Knowledge of Admin user account and valid password for your Pilot.
- Details of the service and the IP address for the PC providing the service to be forwarded.
- Advance Firewall Licence. You can purchase your PoP code from the following address: <http://www.equinet.com/ordering/default.asp>

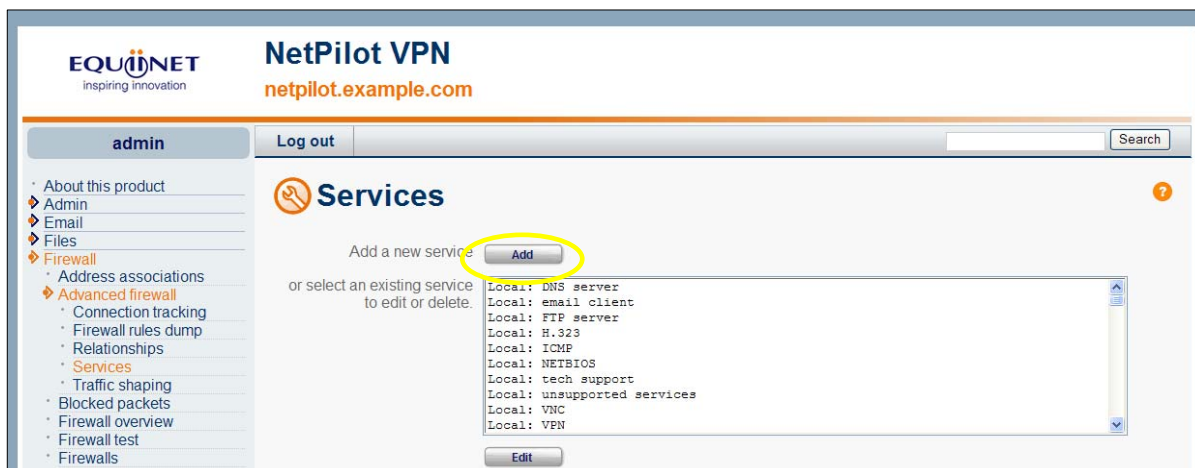
Software Revision Required:

- Applicable to software revision 5.2.0 > NetPilots

(NetPilot will be referred to as 'Pilot'. All image examples are of a NetPilot.)

Port-forwarding:

- Log on to the Pilot as shown in Chapter One (b).
- From the left-hand side of the screen, select 'Firewall', 'Advanced firewall', and then 'Services'. (All links are highlighted below).



- You will be presented with the screen above, select the 'Add' button, as highlighted.

- You will see a similar screen to the below, enter the following:

The screenshot shows the 'Services' form in the NetPilot VPN web interface. The form has a 'Service name' field with the value 'Example Port-forward'. Below this, there is a section for selecting existing services, with a dropdown menu and an 'Append' button. Below that, there is a section for creating a new service by entering ports. It includes 'min port' and 'max port' fields, both with the value '1123', and an 'Append' button. The 'Protocol' section has radio buttons for 'tcp' (selected) and 'udp'. At the bottom, there are 'OK' and 'Cancel' buttons.

- 'Service Name': enter a name for the port you are going to create.

- 'Service': If the port you want to use is in this drop down list please following Chapter 7(a), if it is not please leave this blank.

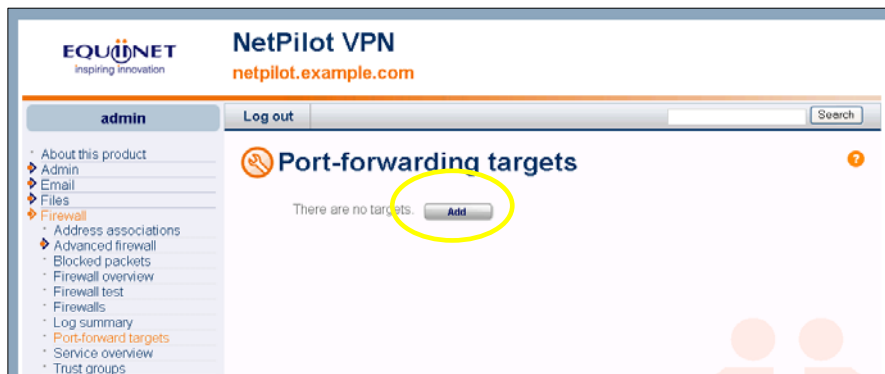
- 'min port': enter the port number you wish to use.

- 'max port': enter the same port number.

- Select 'OK' and 'OK' again to confirm settings.

Creating the Port-forward:

🔑 From the left-hand side of the screen, select 'Firewall', and then 'Port-forward targets'. (All links are highlighted below).



🔑 You will be presented with a similar screen shown above, select the 'Add' button as highlighted.

🔑 In the next screen, to access the port you have created, you will need to enter a tick into the 'Show Advanced options' tick box. Then select the 'OK' button to activate this choice.

🔑 You will now be presented with the screen below, enter the following details:

The screenshot shows the 'Port-forwarding targets' form. The 'Name' field contains 'to pc0006', 'Target IP address' is '10.0.0.30', 'Forwarding firewall service' is 'Example Port-forward', and 'Target service' is '(same as forwarding service)'. The 'Show advanced options' checkbox is checked. 'OK' and 'Cancel' buttons are at the bottom.

🔑 'Name': enter a name for the port-forwarding target. This must not contain any special characters.

🔑 'Target IP Address': enter the IP Address that you wish to port forward to.

🔑 'Forwarding firewall service': select the service you created earlier.

🔑 Once you have selected a service/s, select 'OK'.

🔑 You will see a similar screen as below.



🔑 Select the 'firewall' link as highlighted left.

🔑 You will be presented with the 'Firewall Overview' screen as shown below.

The screenshot shows the 'Firewall overview' screen. It displays a table of firewalls in use, with columns for 'From' and 'To' (Local, Trusted, Internet) and rows for 'Local', 'Admin', 'Trusted', and 'Internet'. Below the table, there is a 'Show all firewalls' link and explanatory text.

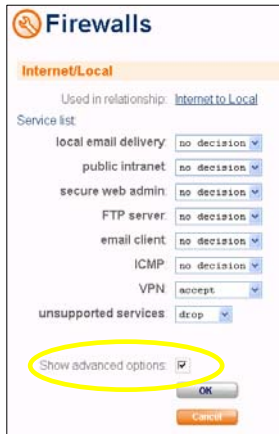
Firewalls in use:		To		
		Local	Trusted	Internet
From	Local	accept	Local/Trusted	Local/Internet
	Admin	Admin/Local	↓	↓
	Trusted	Trusted/Local	accept	Trusted/Internet
	Internet	Internet/Local	drop	drop

[Show all firewalls.](#)

The values on the **To** and **From** axes are *Trust Groups*. At their intersection are *Firewalls*.
 The **To Local** column matches traffic whose destination is the NetPilot VPN.
 The **From Local** row matches traffic originating from the NetPilot VPN.
[How to determine the firewalls that apply to a packet](#)

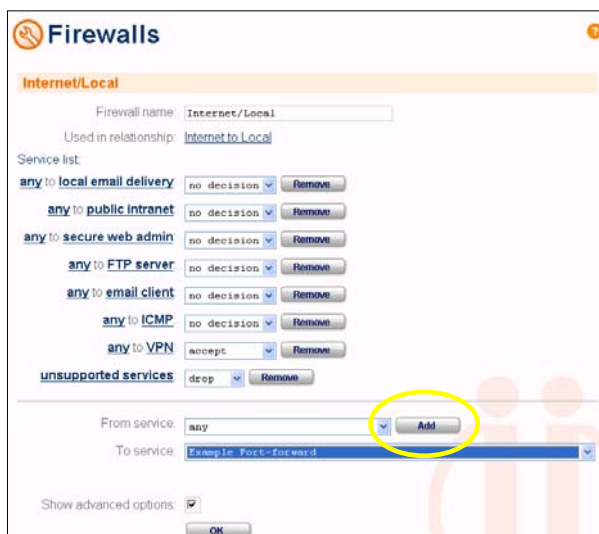
🔑 Select the firewall in which you would like to enter the port-forward.

Once you have selected a firewall of your choice, you will be presented with a similar screen shown below:



Enter a tick in to the 'Show Advanced options' tick box as shown left, and then select 'OK'.

You will be presented with the screen below:



'From service': any

'To service': select the service you created earlier.

Once you've done this select the 'Add' button, as highlighted left.

You will now see your service in the top half of the screen. From the new service's drop down list select the port-forwarding target you created, as shown below:



Once you have select your port-forwarding target from the drop down list, select 'OK' and 'OK' again to confirm your settings.

When you go back into the firewall you selected you will now see your port-forwarding service activated in the list of services.



Tip! When deleting a profile, you will need to deactivate it from the firewall section you placed it in, then deleted it from the 'advanced options' screen. Once you have done this, delete the Port-forwarding target you created and then finally, delete the service you created.