

Chapter Eighteen (f): Port-forward VNC from any host on the Internet to several different hosts on the LAN

Summary of Chapter:

- How to port-forward VNC from any host on the Internet to several different hosts on the LAN.

What you need:

- Knowledge of Admin user account and valid password for your Pilot.
- IP address of host/s on the customer's LAN
- A PoP code. You can purchase your PoP 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.)



If you have more than one PC using VNC but don't want to change ports on client PC's then please see below. If you have more than 3-4 PCs we would recommend using a VPN tunnel, to minimise the amount of port-forwarding. Please see Chapter 20 for more information.

Adding a Service:

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



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

- The next screen is shown below, enter the following:

- 'Service name': a name for your Service.
- 'Service': Leave Blank
- 'min port': Leave Blank
- 'max port': the VNC port you wish to use i.e. 5801
- 'Protocol': Leave the 'tcp' protocol selected.
- Select 'OK' and 'OK' to confirm settings you have made.



For each device you are going to port-forward to, you will need to create a service. Each service will go up in numbers i.e. 5801, 5802, 5803, 5804 etc.

Port-forwarding:

🔗 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/s 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:

🔗 'Name': a name for the 'Port-forwarding target'.

🔗 'Target IP address': one of the host's IP Addresses which are on the LAN.

🔗 'Forwarding firewall service': Select the correct 'Service' for one of the hosts.

🔗 'Target service': Select 'VNC 5800'.

🔗 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

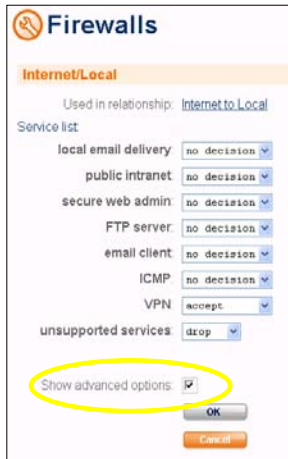
Firewalls in use:		To		
		Local	Trusted	Internet
From	Local	accept	Local/Trusted	Local/Internet
	Admin	Admin/Local	↓	↓
	Trusted	Trusted/Local	accept	Trusted/Internet
	Internet	Internet/Local	drop	drop

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](#)

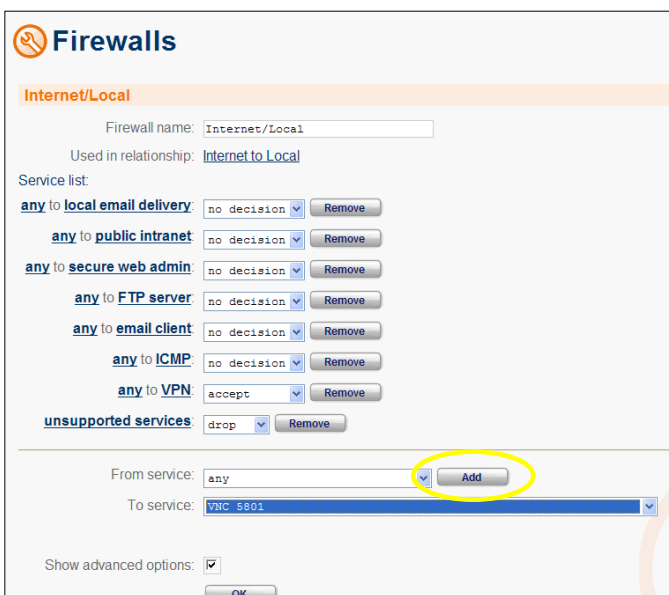
🔗 Select the 'Internet/Local' link, as highlighted left.

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:



To add the 'Service' to this firewall, select the following from the drop down lists provided at the bottom of the screen:

- 'From Service': any
- 'To Service': VNC 5801

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

You will now see the service added to the list of services at the top of the screen.



Select the 'Port-forward target' you created earlier from the drop down list provided.

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