

Chapter Eighteen (e): Port-forward VNC from any host on the Internet to a single host on a customer's LAN

Summary of Chapter:

- How to port-forward VNC from any host on the Internet to a single host on a customer's LAN.

What you need:

- Knowledge of Admin user account and valid password for your Pilot.
- IP address of host 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.)

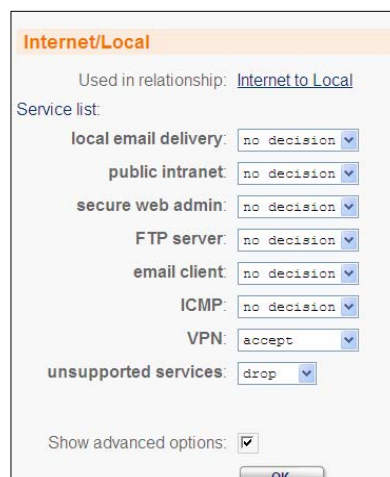
Advanced Licence:

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

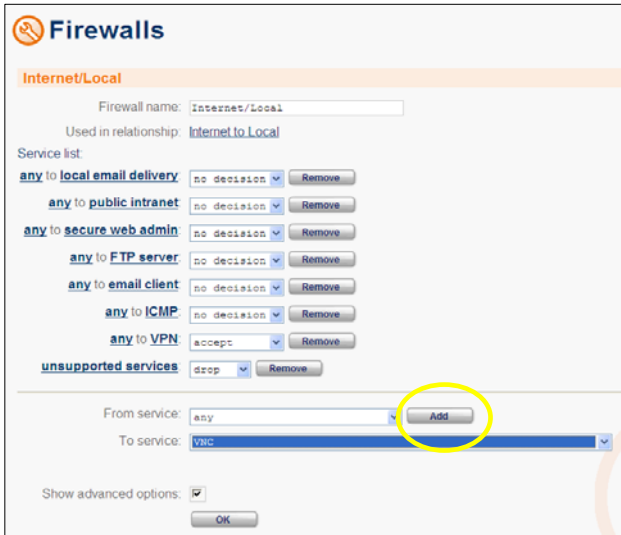


- You will be presented with a similar screen shown above, select the 'Internet/Local' link as highlighted.

- In the next screen, shown below enter a tick into the 'Show advanced options' tick box and then select the 'OK' button.



 You will be presented with the screen below:



Firewalls

Internet/Local

Firewall name: Internet/Local

Used in relationship: Internet to Local

Service list:


- any to local email delivery: no decision [Remove]
- any to public intranet: no decision [Remove]
- any to secure web admin: no decision [Remove]
- any to FTP server: no decision [Remove]
- any to email client: no decision [Remove]
- any to ICMP: no decision [Remove]
- any to VPN: accept [Remove]
- unsupported services: drop [Remove]


From service: any [Add]


To service: VNC [Remove]


Show advanced options:


[OK]

 To add the VNC service to this firewall, select the following:

 'From Service': any

 'To Service': VNC

 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.



Firewalls

Internet/Local

Changes will not be complete until you select the OK button.


Firewall name: Internet/Local


Used in relationship: Internet to Local


Service list:

- any to local email delivery: no decision [Remove]
- any to public intranet: no decision [Remove]
- any to secure web admin: no decision [Remove]
- any to FTP server: no decision [Remove]
- any to VNC: (please select new action) [Remove]
- any to email client: no decision [Remove]
- any to ICMP: no decision [Remove]
- any to VPN: accept [Remove]
- unsupported services: drop [Remove]


From service: any [Add]

 As a port-forwarding target has not been created, select 'reject' from the 'any to VNC' drop down list, to keep this port closed until a target has been created.

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

 To create a port-forward target for the 'any to VNC' service, please follow the instructions below.

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.

The next screen is shown below:

Port-forwarding targets

Name:

Target IP address:

Forwarding firewall service:

Show advanced options:

'Name': Enter a name for the port-forwarding target.

'Target IP Address': Enter the IP address of the single host on the customer's LAN.

'Forwarding firewall service': Select 'VNC' from the drop down list provided.

Once the details have been entered select 'OK'.

In the next screen, select the 'Next' button, as highlighted below:

Port-forwarding targets

Port-forwarding targets

New target added.

To use this port-forwarding target, select it as the action on a firewall:

You will be presented with the screen below:

Service overview

VNC

Firewalls in use:

From	To	Action
Admin	Local	reject
Internet	Local	reject
Internet	Local	forward: IP of PC
Internet	Local	no decision
Internet	Local	reject

Show all firewalls

The values on the **To** and **From** axes are *Trust Groups*. At their intersection are the actions to apply to the **VNC** service.

The **To Local** column matches traffic whose destination is the NetPilot VPN.

The **From Local** row matches traffic originating from the NetPilot VPN.

From the 'Internet/Local' drop down list, select the port-forward you created earlier, as shown above.

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