

## Chapter Eighteen (c): pcAnywhere

### Summary of Chapter:

- How to set up pcAnywhere on your Pilot using the Advanced Firewall.

### What you need:

- Knowledge of Admin user account and valid password for your Pilot.
- Details of the ports being used.
- 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.)

### pcAnywhere:

- 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 the above screen, select the 'Add' button, as highlighted.

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

The screenshot shows the 'Services' form. The 'Service name' field contains 'pcanywhere'. Below it is a dropdown menu for 'Service' and an 'Append' button. The form also has fields for 'min port', 'max port' (set to 5631), and 'Protocol' (radio buttons for tcp and udp). The 'min port' field has an 'Append' button highlighted with a yellow circle. There are 'OK' and 'Cancel' buttons at the bottom.

- 'Service Name': enter pcAnywhere.
- 'Service': please leave this blank.
- 'min port': leave blank
- 'max port': enter the minimum port number you wish to use.
- 'Protocol': Select the appropriate protocol.
- Select the second 'Append' button as highlighted left.

- The screen will refresh, and your port will be added. Repeat the above method for the maximum port.

- Select 'OK' and 'OK' again to confirm your settings once the screen has been refreshed.

## 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 the screen 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'. The 'Target IP address' field contains '10.0.0.30'. The 'Forwarding firewall service' dropdown is set to 'Example Port-forward'. The 'Target service' dropdown is set to '(same as forwarding service)'. The 'Show advanced options' checkbox is checked. The 'OK' button is highlighted.

🔑 '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. The table has columns for 'To' (Local, Trusted, Internet) and rows for 'From' (Local, Admin, Trusted, Internet). The 'Local' row is highlighted in yellow.

		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

Below the table, there is a link 'Show all firewalls.' and explanatory text: '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.

**Firewalls**

Internet/Local

Used in relationship: Internet to Local

Service list

local email delivery	no decision
public intranet	no decision
secure web admin	no decision
FTP server	no decision
email client	no decision
ICMP	no decision
VPN	accept
unsupported services	drop

Show advanced options:

OK

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:

**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: pcAnywhere

Show advanced options:

OK

'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:

**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 email client	no decision	Remove
any to pcAnywhere	(please select new action)	Remove
any to ICMP	forward: pcAnywhere-forward	
any to VPN	no decision	Remove
unsupported services	drop	Remove

From service: any **Add**

To service: (please select)

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.