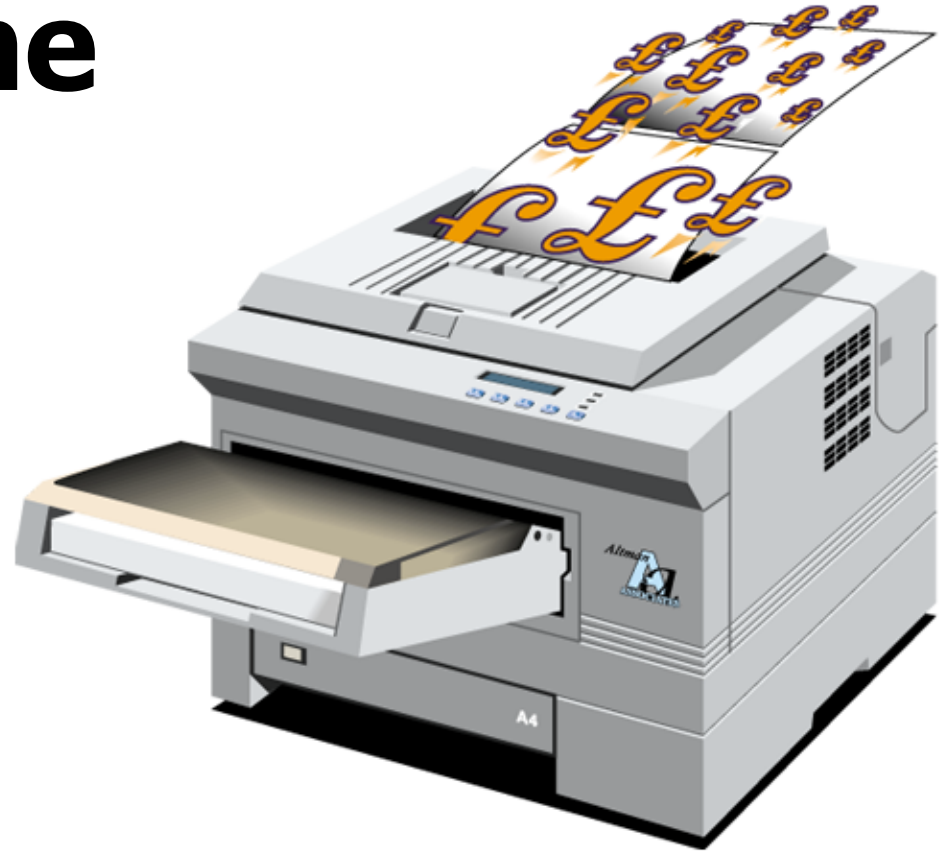# Controlling the Cost of Computer Printing

PCOUNTER for NT/2000

Network Print Auditing, Accounting and Management

Installation Guide

Documentation Issue 5.2

Pcounter is distributed and supported by:

Altman Technologies

Intelligent Software Solutions

www.altman.co.uk

Specialists in Network & Systems Management Software for Novell NetWare, NDS/eDirectory, Windows NT & 2000

In addition to print accounting software, Altman Technologies provide solutions addressing the following areas:

➜ Audit & Security

➜ Storage/Disk Space Management

➜ Server Performance Management

➜ Automation and Synchronisation

➜ NDS / eDirectory Management

For contact details, see last page.

PCOUNTER for NT/2000 - Overview

Pcounter is a comprehensive network-oriented printer accounting and management software suite. Pcounter is essentially a server-based application that allows network administrators to manage printing centrally.

Pcounter will track print jobs from any platform (PC, Mac, Unix) that can print to Windows NT/2000. Pcounter integrates everything: accounting, load balancing, and queue management into a single cross-platform interface that works with both Microsoft Windows (NT, 2000) and Novell NetWare networks at the same time.

This version of Pcounter consists of a Printer Control service, a Data Server service and Port Monitors that control printing to network printers. This provides a flexible, modular, and expandable system.

Queue configurations determine how Pcounter handles each print job serviced in that queue. Many options (such as those pertaining to accounting) are specific to Pcounter; others (Job notify, Banners) provide extensions to Microsoft's printing services, allowing you to define global print job configurations for jobs in selected queues.

PCOUNTER for NT/2000 - Overview

If queue configurations are modified, the Pcounter services do not need to be restarted. The print control service will need to be restarted, however, if queues are added, removed or the hold-status changed.

Server configurations are global and affect all queues managed by Pcounter on the server.

Pcounter for NT 2.x works with Windows 2000 in mixed or native mode. It works with and can display user lists in NT4-compatible and Active Directory domains and organisational units directly without any need to import or create printing accounts.

Use PControl to set up all configuration settings. Pcounter is designed so that you can configure your entire NT printing parameters from any Windows NT/2000/XP computer on your network. In addition to Pcounter-specific functions, PControl provides a network-centric view of print queues, jobs and permissions. SNMP & Web monitoring are also available.

PCOUNTER for NT/2000 - Overview

IMPORTANT CONCEPTS   (1/2)

Print spooling must be done to the server - not peer to peer. You cannot allow users to print directly from workstations to network printer addresses, or Pcounter will not see those print jobs (unless of course you install Pcounter services and monitors on each workstation).

If you want to keep track of print jobs from users who are logged on/authenticated to NT servers, it is not necessary to import or create Pcounter database entries for these users. Pcounter automatically looks up usernames on a PDC or other server that contains user accounts. If Pcounter is enforcing user account balances/quotas, then users who have had no printer activity are assumed to have an account balance of zero unless you have set a default balance & low-balance limit.

For tracking printing from users sharing logons, see the section in the manual/help: **Popup - Enabling printer accounting while using shared logon names.**

PCOUNTER for NT/2000 - Overview

IMPORTANT CONCEPTS   (2/2)

When a print job is processed by Pcounter, it verifies the existence of the print job owner by looking up the name on the server you've designated in Global Settings, Get User Information From (typically the Primary Domain Controller). If the user is not found in the current domain, trusted domains will be searched next.

The print job owner's home domain is logged, along with the username - e.g. DomainName\UserName - in the first field of the log file. You can prevent unknown users from printing in each printing configuration.

Any operating errors, e.g. configuration problems, etc. will be recorded in the system event log. To view this, use the **NT Event Viewer** utility (in the Administrative Tools program group). Select **Log, Application** and you will see any messages issued by Pcounter. There is also a file "reject.txt" that logs jobs that don't print with a reason.

PCOUNTER for NT/2000 - Overview

SUPPORTED FEATURES (1/4)

Counts pages printed on any PostScript or PCL printer, from all major manufacturers such as HP, Xerox, Lexmark, Canon, and more. Also included are Ricoh RPCS, Canon BubbbleJet, and Epson (ESC/P, ESC/P2) inkjet printers. This covers most lasers, inkjets, and multi-function devices on the market today. Support for TIFF printing is included, and Pcounter also tracks plot size on HPGL/2 and PostScript plotters.

Enforces printing account balances/quotas for users. Users can check their balances via web browser or using WBalance, a small Windows utility which runs in the system tray.

Keeps a log file of all print activity - for printers hosted on multiple servers the log can be kept in one central location for easy access. The log file includes user name, document name, printer/queue name, date, time, client station, client code, sub code, paper size, features, byte size, page count, cost, and account balance.

PCOUNTER for NT/2000 - Overview

SUPPORTED FEATURES (2/4)

Windows users may have a popup window for billing print jobs to clients/job numbers.

The cost for each page is determined by the paper size used in the print job, allowing variable costs for printers that support multiple paper sizes.   Print jobs requesting an invalid paper size can be discarded.   Roll plotters can be accounted for based on image size.

Can generate various printing usage reports and print histories of users, printers, and client codes. Reports and histories can be saved as HTML, CSV, or formatted text, can be directly launched into Excel or web browsers and can be sent by email.

Rules-based printing for load balancing based on maximum and minimum byte sizes and/or page counts - print jobs can be deleted, moved to the end of the queue or moved to another print queue.

PCOUNTER for NT/2000 - Overview

SUPPORTED FEATURES (3/4)

All print jobs can be automatically held/paused, and global (print job configuration) settings for queues can be automatically enforced. Each server has a default template, which can be used globally for all print queues on that server.

A Plot Manager handles batch submission of printer-ready files to printers and plotters, including support for client billing codes and scheduling.

Reject incorrect print job types such as Postscript on PCL printers.

Network broadcast messages can be customised and sent at any time to keep users informed.

Customisable banner pages can be used that contain all information about the print job, including the page count and account balance.

PCOUNTER for NT/2000 - Overview

SUPPORTED FEATURES (4/4)

Administration can be done from any Windows workstation or server on the network, including printer/queue set-up, configuration, properties, permissions, and print job management.

The Pcounter workstation tools (popup and account balance information) are internationalised in French, Spanish, Portuguese, Italian, German, Finnish, Dutch, Czech, Swedish, Danish, Polish, and Norwegian.

Works on networks where Samba is authenticating logons.

Automatically assign print job ownership from other platforms (such as Mac and Unix) or delete the job if an owner cannot be found.

Works with multiple and/or trusted domains.

Printing accounts for network users do not need to be created - or imported - Pcounter creates them *automatically* if necessary.

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PCOUNTER for NT/2000 – Getting Started

For further information - or if you encounter any problems installing - see the files:

README.TXT in "Program Files\Pcounter for NT" folder,

PCOUNTER.PDF (Acrobat) in "Program Files\Pcounter for NT\NT" folder,

PCOUNTER.HLP (Help) in "Program Files\Pcounter for NT\NT" folder.

For additional information, please try our Web support page (www.altman.co.uk/support), which has a Frequently Asked Questions (FAQ) section; if this does not help, contact **Altman Technologies** (see last page for contact details).

Please read this entire document before starting the installation. The installer must be logged into the licensed server as the ADMINISTRATOR or equivalent in order for the required files to be properly installed.

The "PCNT2_Start_up.pdf" contains the text within this Acrobat/PowerPoint presentation; please read it if you don't require step-by-step screen-shots.

PCOUNTER for NT/2000
System Requirements

<u>Server</u>

Windows 2000 Professional or Server (Intel-compatible)
(SP 2 recommended)
Windows NT 4.0 Workstation or Server (Intel-compatible)
(SP 5 or above recommended).

1MB disk per 10,000 users + 1MB disk per 12,000 print jobs logged
(+ 6MB temp. for installation)

<u>Workstation (for administrator utilities)</u>

Windows NT, Windows 2000 or Windows XP
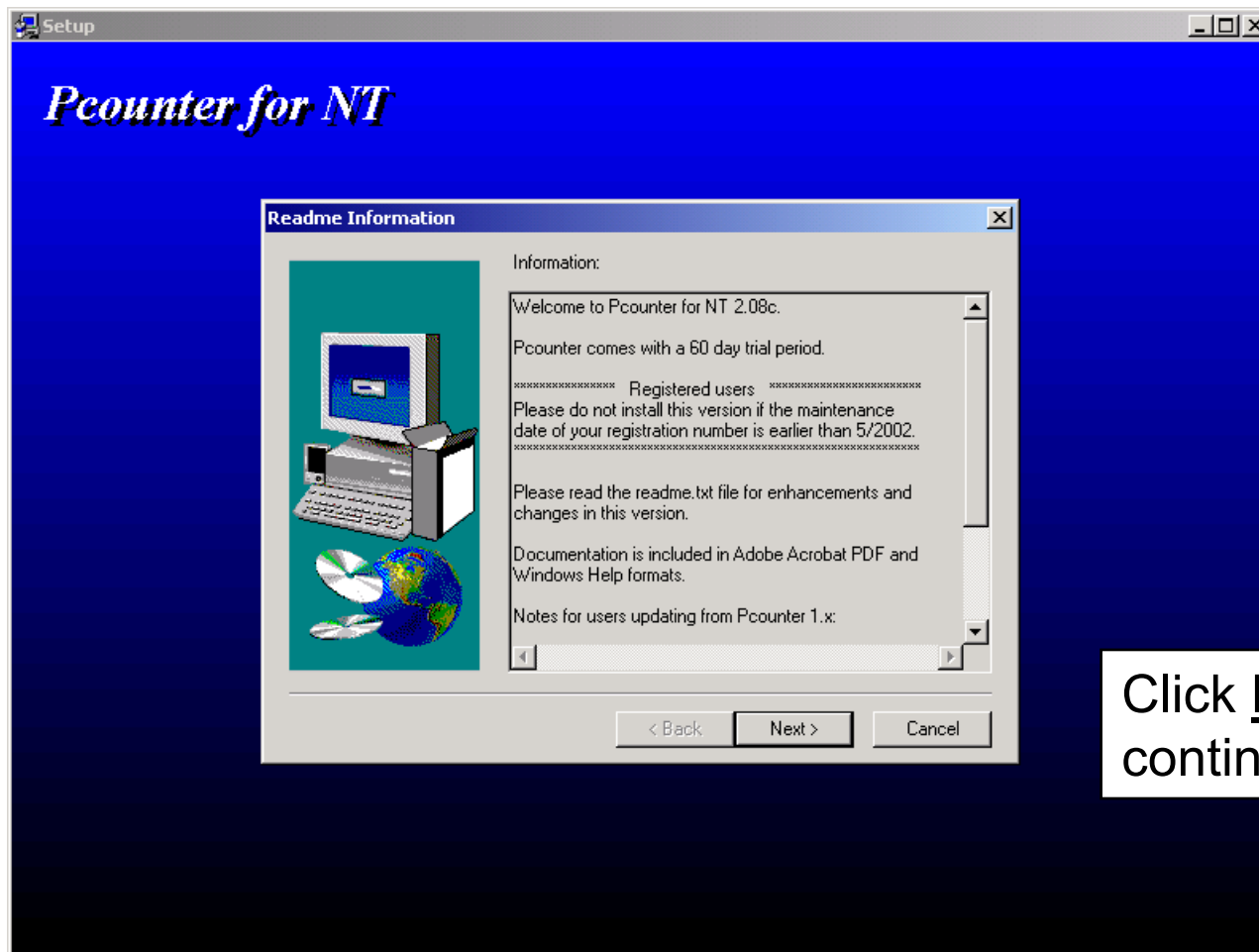
PCOUNTER for NT/2000 - Installation

Run the "Setup.exe" program on the Windows NT or 2000 workstation/server where you want to install; i.e. where printers are defined or where you wish to host the central data server, if this does not also have printers.

The software is available as a download from the web or can be supplied on CD. The zip file you are provided with specifies the version number in its name & needs to be unzipped. It contains the files you see here.
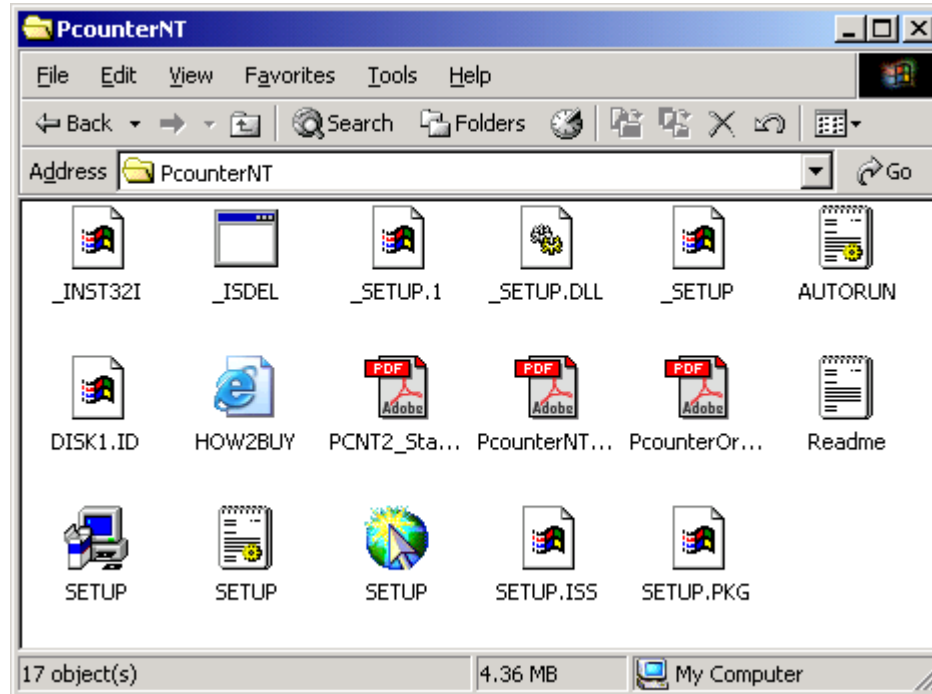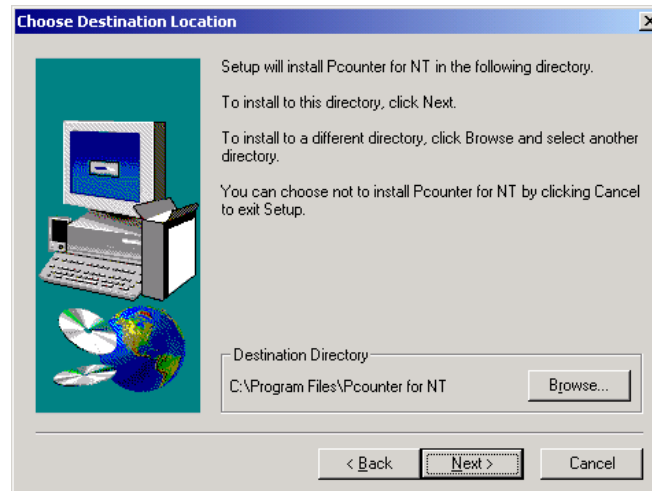
PCOUNTER for NT/2000 - Installation

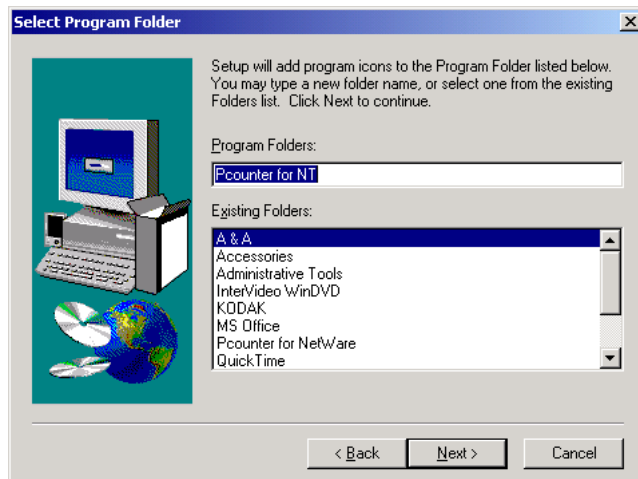This is the first screen you will see when you run "Setup.exe".
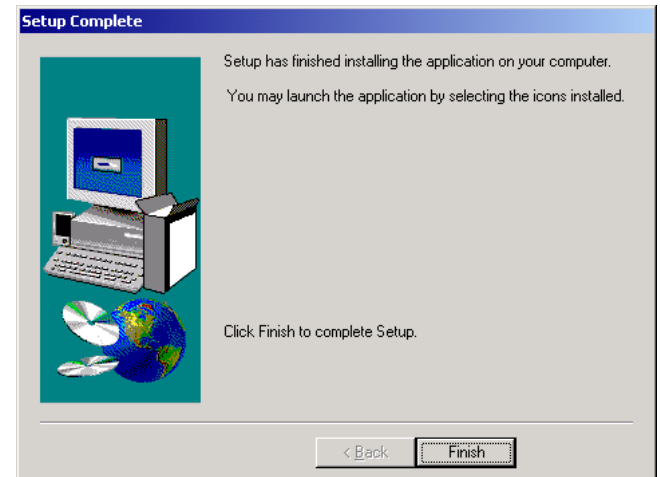

Click **Next** to continue.

1. Confirm default directory, click **Next**

2. Confirm default program folder, click **Next**

# 3. Await completion of install, click **Finish** to end Setup

PCOUNTER for NT/2000 - Installation

Much of the Pcounter software is in the form of NT/2000 services & drivers. After installing Pcounter but before it can be used, these need to be configured, installed & finally started.

Running Setup to install the software *does not* automatically install the services and port monitors.
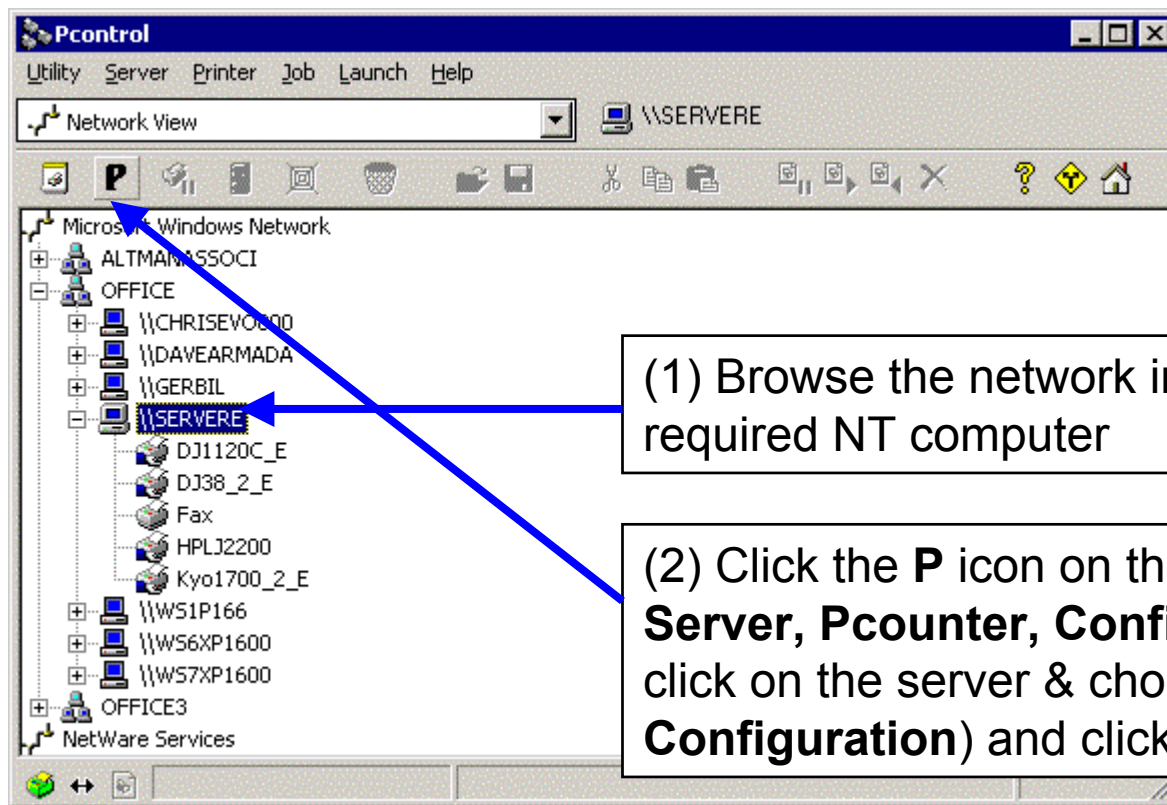
The next process in the installation is to run "**PControl**".
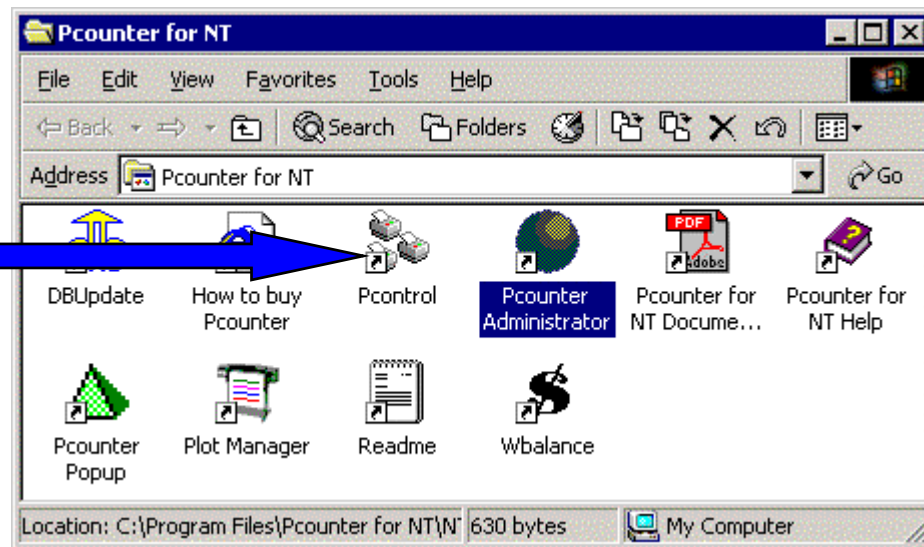
PCOUNTER for NT/2000 - Configuring

Use **PControl** to install (or uninstall) the **Global Settings**, **Data Server service, Printer Control service** & **Port Monitors** _in that order_.

For each of these (see following for specifics):

(1) Browse the network in PControl, select the required NT computer

(2) Click the **P** icon on the toolbar (or choose the **Server, Pcounter, Configuration** menu or right click on the server & choose **Pcounter Configuration**) and click **OK**.

PCOUNTER for NT/2000 – Global Settings

Select **Global Settings** tab.

For subsequent servers, use the "Import global/popup settings from:" link to pull the settings from the original Data Server.

Pcounter Configuration: \\SERVERE

| Data Server | Services/Ports |
| Global Settings | Printers | Popup |

Delete paused jobs after 0

Numerical Format: Currency

Get user information from:
- ○ Primary Domain Controller: \\SERVERE
- ● Other server: \\SERVERE

Data Server: \\SERVERE

☑ Log rejected jobs

Messaging configuration
Default printer configuration
Registration and trial period
Import global/popup settings from:

Custom DLLs

OK   Cancel   Apply   Help

We suggest leaving the "Numerical Format:" at **Currency**, rather than **Pages**; Pcounter counts pages in either mode but using currency for pricing allows you extra flexibility.

We suggest setting **Log rejected jobs** by ticking the check box next to it.

Confirm all other options. Click **Apply** button to save the configuration and then click **OK**.

PCOUNTER for NT/2000 – Data Server

Select the NT computer which will be the data server - this should preferably be a server which is expected to be available most of the time, e.g. PDC or BDC - and select Pcounter configuration (as previously shown).

Select the **Data Server** tab

Click **Create Share**

This creates the share for the directory where all Pcounter printing data is to be stored (i.e. the directory on the Data Server).

PCOUNTER for NT/2000 – Data Server

Create Pcounter share on \\SERVERB

Enter the local path on \\SERVERB where
Pcounter configuration files will be stored.

The default permissions will be:
Administrators: Full control
Everyone: Read
SYSTEM: Full control

You can modify these permissions later.

`D:\Altman\PcounterNT`

Create share   Cancel

Enter a local path name to be
used as the base for Pcounter
information to be stored

*(Note: do not use quotes ["] if entering
long file names for the path).*
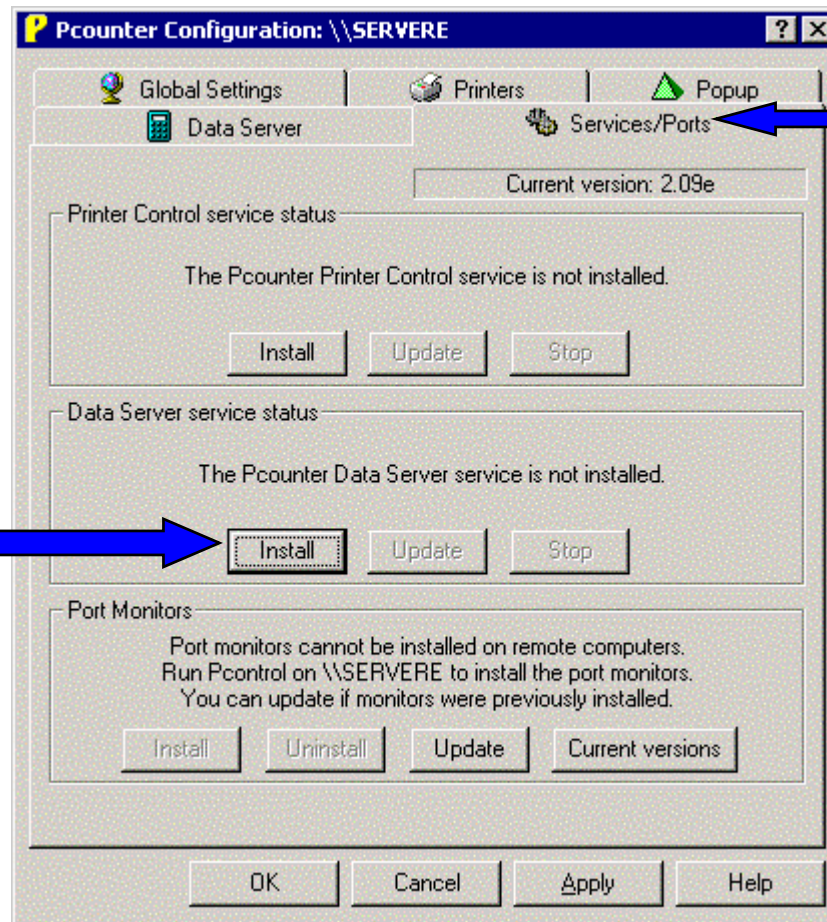
Click **Create Share** button.

PCOUNTER for NT/2000 – Data Server

"SHARE" considerations

Administrators, users who need to manage account balances, and users who need to get printing statistics should be given create/read/write permission to the shared directories Data sub-directory. For privacy and security purposes, normal users should not be given any access to this directory. Users should be given read permission to the Pcounter share.

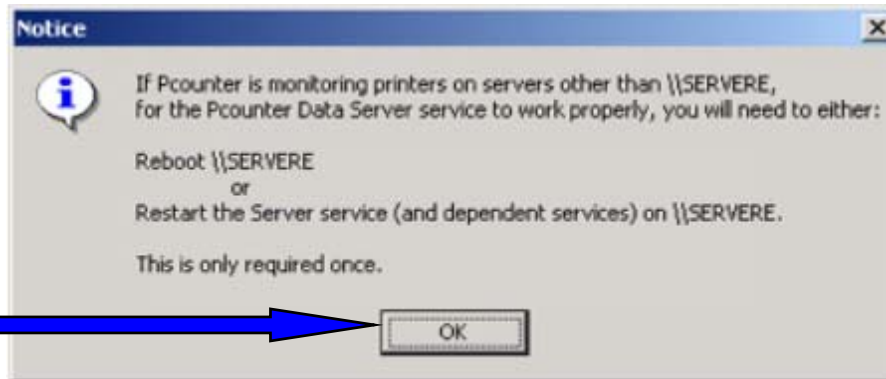Check the appropriate permissions to the share and click **OK**.

PCOUNTER for NT/2000 – Data Server

P Pcounter Configuration: \\SERVERE

| Global Settings | Printers | Popup |
| Data Server | | Services/Ports |

Select the Services/Ports tab

Current version: 2.09e

Printer Control service status

The Pcounter Printer Control service is not installed.

[Install] [Update] [Stop]

Data Server service status

The Pcounter Data Server service is not installed.

[Install] [Update] [Stop]

Click the **Install** button for the **Data Server** service

Port Monitors

Port monitors cannot be installed on remote computers.
Run Pcontrol on \\SERVERE to install the port monitors.
You can update if monitors were previously installed.

[Install] [Uninstall] [Update] [Current versions]

[OK] [Cancel] [Apply] [Help]

PCOUNTER for NT/2000 – Data Server

Notice ✕

ℹ️ If Pcounter is monitoring printers on servers other than \\SERVERE,
for the Pcounter Data Server service to work properly, you will need to either:

Reboot \\SERVERE
or
Restart the Server service (and dependent services) on \\SERVERE.

This is only required once.

Click **OK** ➡️ [OK]

Confirm Pcounter Data Service was installed successfully and click **OK**.

Success ✕

⚠️ The Pcounter Data Server service was installed successfully.
You may start the service now.

➡️ [OK]

PCOUNTER for NT/2000 – Data Server

Click the **Start** button for the **Data Server** service.

Confirm in the **Data Server service status** area that the service is running.
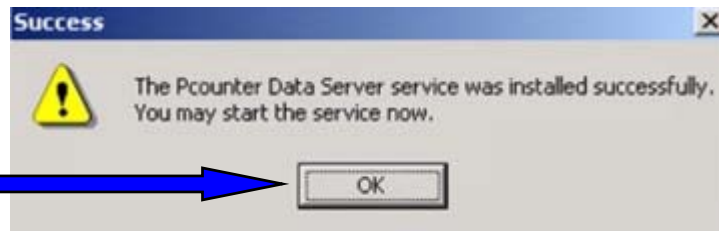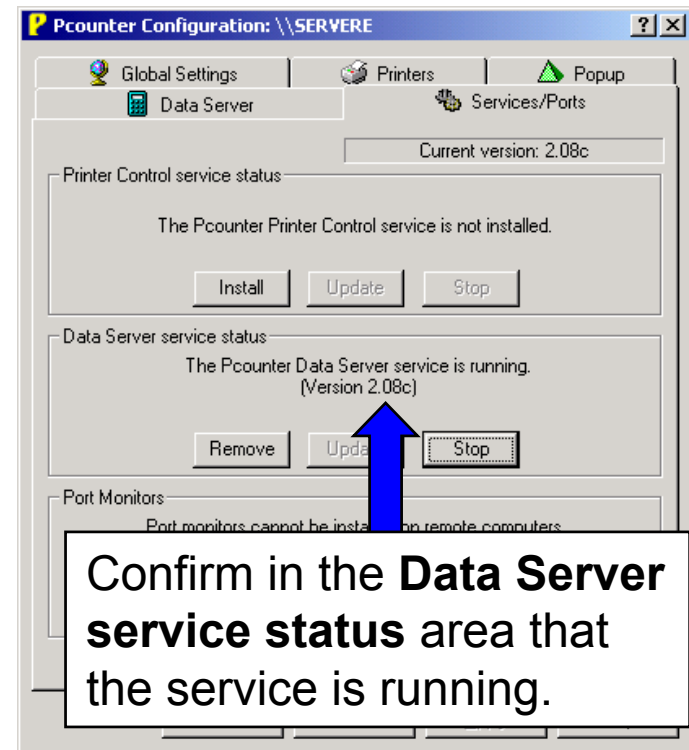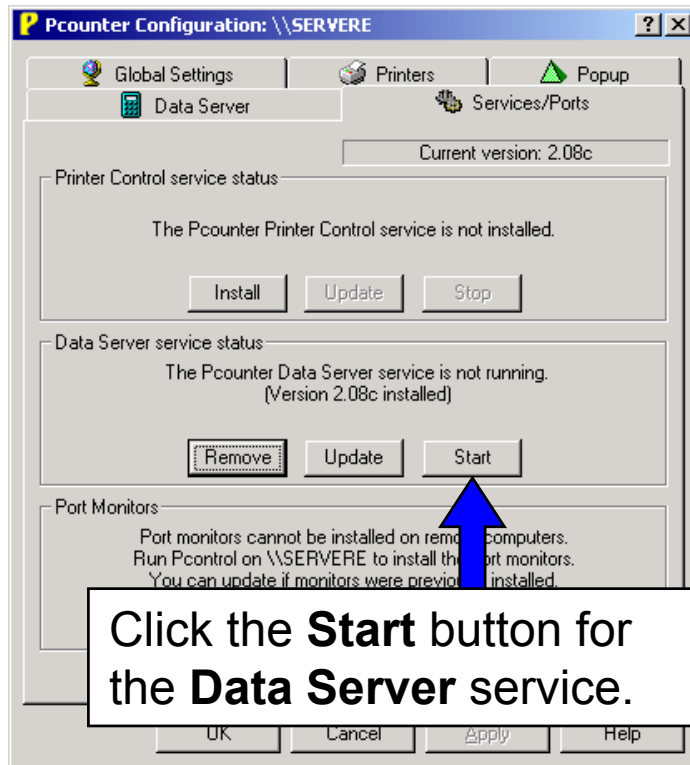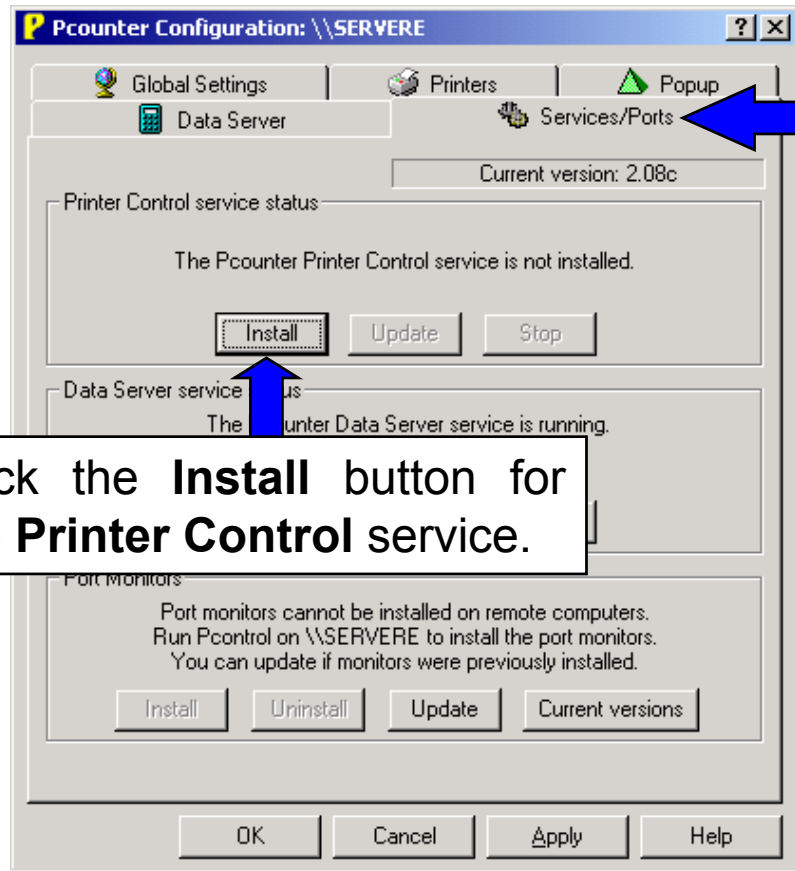
PCOUNTER for NT/2000 – Printer Control

Configuring a Printer Control Service

In PControl, select the NT computer that is hosting printers and choose Pcounter configuration. A printer host can also be the Data Server.

If this is not also the Data Server, set the Global Settings (see above). On the **Global Settings** tab, you can import them from the Data Server - or any other previously configured computer - so that you don't have to enter them again.
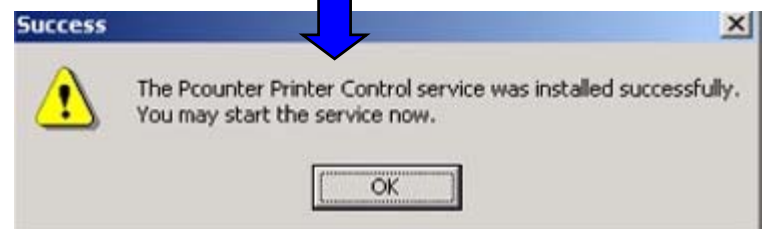
PCOUNTER for NT/2000 – Printer Control

Select the **Services/Ports** tab.

Click the **Install** button for the **Printer Control** service.

Confirm successful install, click **OK.**

PCOUNTER for NT/2000 – Printer Control

Installing Port Monitors

Pcounter Configuration: \\SERVERE

Global Settings | Printers | Popup
Data Server | Services/Ports

Current version: 2.08c

Printer Control service status

The Pcounter Printer Control service is not installed.

[Install] [Update] [Stop]

...is running.

[Stop]

Port Monitors

...ort monitors cannot be installed on remote computers.
...un Pcontrol on \\SERVERE to install the port monitors.
...ou can update if monitors were previously installed.

[Install] [Uninstall] [Update] [Current versions]

[OK] [Cancel] [Apply] [Help]

Click the **Install** button for the **Port Monitors**

Success

⚠ The Pcounter port monitors were installed successfully.

[OK]

Confirm successful install, click **OK**

Port monitor versions
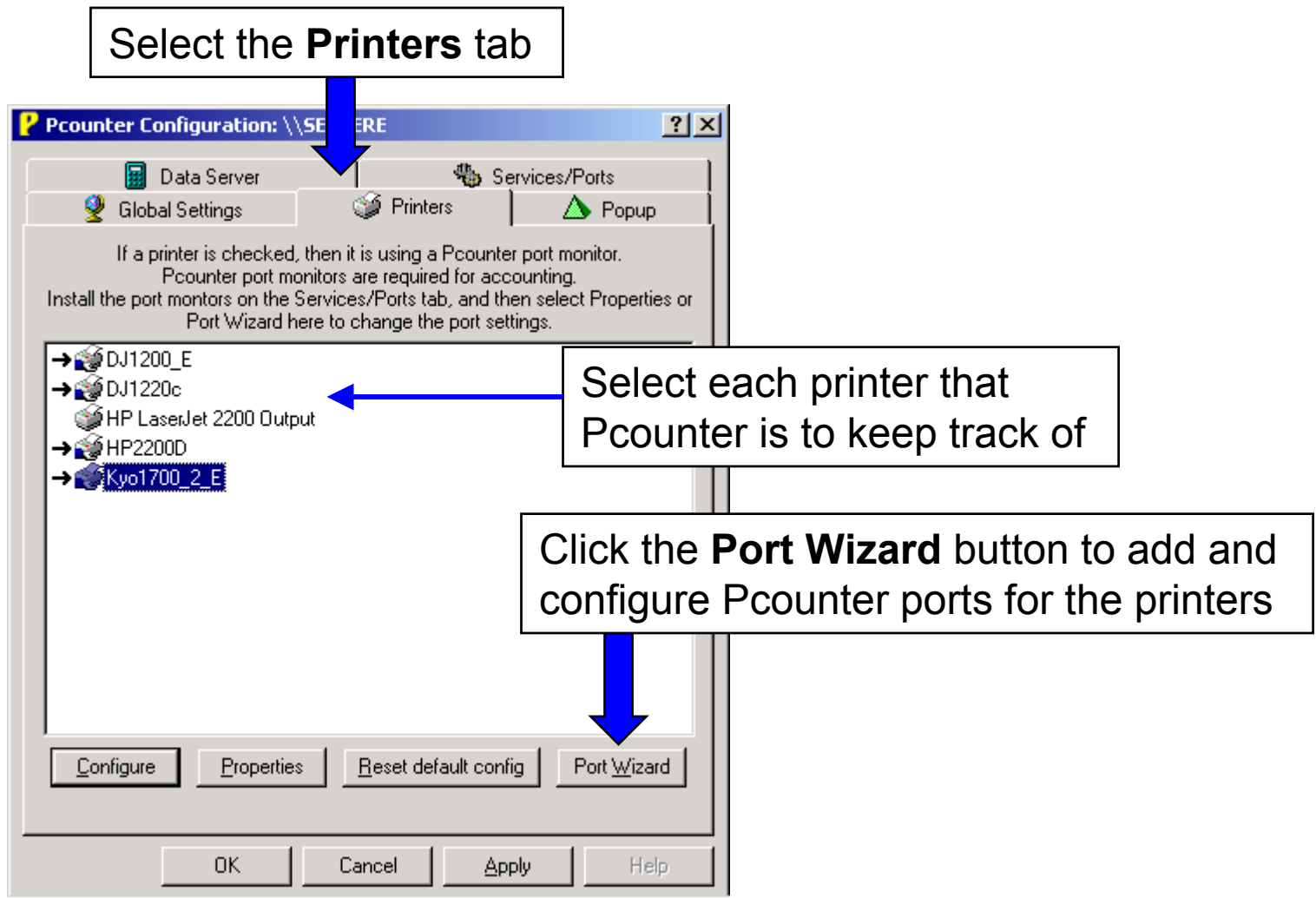
ℹ Pcounter Parallel Port: Version 2.08c installed.
Pcounter LPR Port: Version 2.08c installed.
Pcounter AppSocket Port: Version 2.08c installed.
Pcounter OtherPrinter Port: Version 2.08c installed.

[OK]

PCOUNTER for NT/2000 – Printer Control

Select the **Printers** tab

Pcounter Configuration: \\SE...ERE

- Data Server
- Services/Ports
- Global Settings
- Printers
- Popup

If a printer is checked, then it is using a Pcounter port monitor.
Pcounter port monitors are required for accounting.
Install the port montors on the Services/Ports tab, and then select Properties or
Port Wizard here to change the port settings.

→ DJ1200_E
→ DJ1220c
   HP LaserJet 2200 Output
→ HP2200D
→ Kyo1700_2_E

Select each printer that
Pcounter is to keep track of

Click the **Port Wizard** button to add and
configure Pcounter ports for the printers

Configure | Properties | Reset default config | Port Wizard

OK | Cancel | Apply | Help

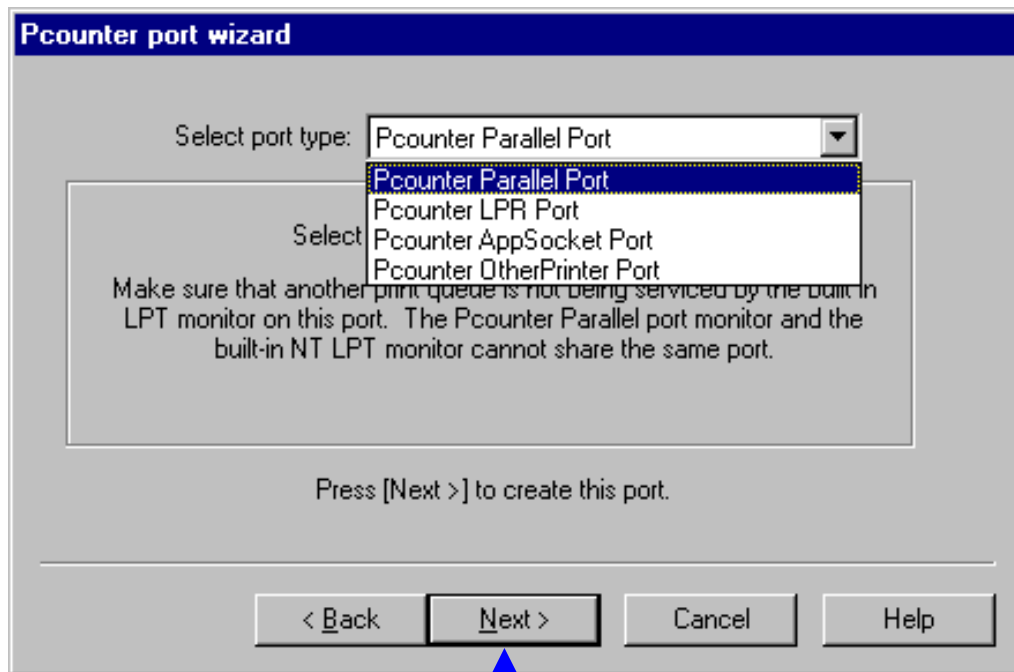# **P**COUNTER for NT/2000 – Printer Control

Port Wizard

Confirm present details, click **Next** to create new Pcounter Port.

PCOUNTER for NT/2000 – Printer Control

Port Wizard

It is generally recommended to accept Pcounter's suggestions for its Port

Pcounter port wizard

Select port type: Pcounter Parallel Port

- Pcounter Parallel Port
- Pcounter LPR Port
- Pcounter AppSocket Port
- Pcounter OtherPrinter Port

Select

Make sure that another print queue is not being serviced by the built-in LPT monitor on this port. The Pcounter Parallel port monitor and the built-in NT LPT monitor cannot share the same port.

Press [Next >] to create this port.

< Back   Next >   Cancel   Help

Pcounter port wizard

The port was installed successfully.

< Back   Finish   Cancel   Help

Click **Next** to save it to the printer's configuration.

Confirm successful install, click **Finish.**

PCOUNTER for NT/2000 – Printer Control

You can set a default printer-accounting configuration which will apply to all printers on this server which do not have their own configurations.

Click **Global Settings** tab

Click **Default printer configuration** link and this will show you all the default settings for all your printers.

Pcounter Configuration: \\SERVERE

| Data Server | Services/Ports |
| Global Settings | Printers | Popup |

Delete paused jobs after 0 Minutes

Numerical Format: Currency

Get user information from:
- Primary Domain Controller: \\SERVERE
- Other server: \\SERVERE

Data Server: \\SERVERE

☑ Log rejected jobs

Messaging configuration
Default printer configuration
Registration and trial period
Import global/popup settings from:

OK   Cancel   Apply   Help

PCOUNTER for NT/2000 – Printer Control

You can configure different printers separately for accounting (e.g. different page costs) as follows:

Select the Printers tab.

In turn, **Select** each printer, click the **Configure** button

Pcounter Configuration: \\SERVERE

Data Server | Services/Ports
Printers | Popup

If a printer is checked, then it is using a Pcounter port monitor.
Pcounter port monitors are required for accounting.
Install the port montors on the Services/Ports tab, and then select Properties or
Port Wizard here to change the port settings.

→ DJ1200_E
→ DJ1220c
HP LaserJet 2200 Output
HP2200D
Kyo1700_2_E

Configure | Properties | Reset default config | Port Wizard

OK | Cancel | Apply | Help

PCOUNTER for NT/2000 – Printer Control

SETTINGS tab

This is where you configure Pcounter accounting configuration according to requirements. For evaluation purposes, we suggest the settings outlined as follows. See the manual or Help for details of all configuration options.
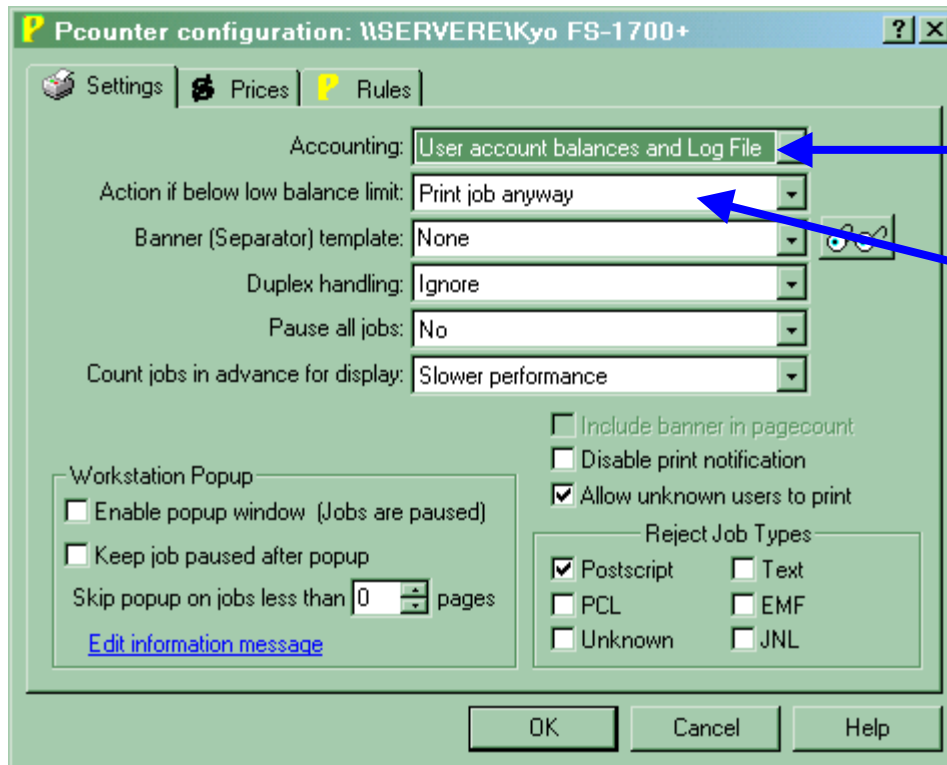
Set <u>Accounting</u> to "*User account balances & Log File*"

Set <u>Action if below low balance limit</u> to "*Print job anyway*" if there any current users of the printer.

(This allows users to continue to print while Pcounter is being set-up. However, "*Delete job*" is a better option for live running).

PCOUNTER for NT/2000 – Printer Control

2. For each valid page size, tick the <u>Allow Paper Size</u> box next to it and enter a positive value in its <u>Price</u>, which will be per page; e.g. 0.05 for A4, 0.08 for A3.

Pcounter Default printer configuration: \\SERVERE

Settings | **Prices** | Rules

Allow Paper Size / Price

☐ A0	0.00
☐ A1	0.00
☐ A2	0.00
☑ A3	0.08
☑ A4	0.05
☐ A5	0.00
☐ 11 x 17	0.00
☐ ANSI C	0.00
☐ ANSI D	0.00
☐ ANSI E	0.00
☐ Arch A	0.00
☐ Arch B	0.00

Allow Paper Size / Price

☐ Arch C	0.00
☐ Arch D	0.00
☐ Arch E	0.00
☐ B4	0.00
☐ B5	0.00
☐ C5	0.00
☐ Comm 10	0.00
☐ DL	0.00
☐ Executive	0.00
☐ Letter	0.00
☐ Legal	0.00
☐ Monarch	0.00

Plotter area accounting

Disabled

Price: 0.00

Charge per job

☐ No page counts

Price:

Default Size / Price

A4

Check all sizes

Uncheck all sizes

Set all prices

OK | Cancel | Help

1. Set the <u>Default Size / Price</u> to the printer's standard paper size.

3. To save printer configuration click **OK** and **OK** again.

Optionally, in a test environment or later, make any other configuration changes required; see the manual or Help for details of all configuration options.
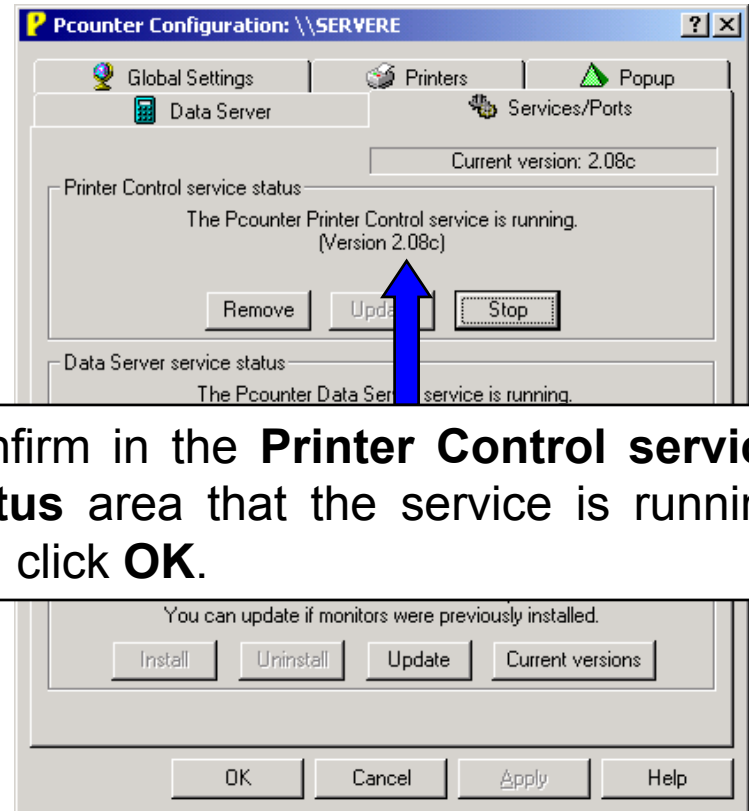
PCOUNTER for NT/2000 – Printer Control

Now you need to start the Printer Control Service.
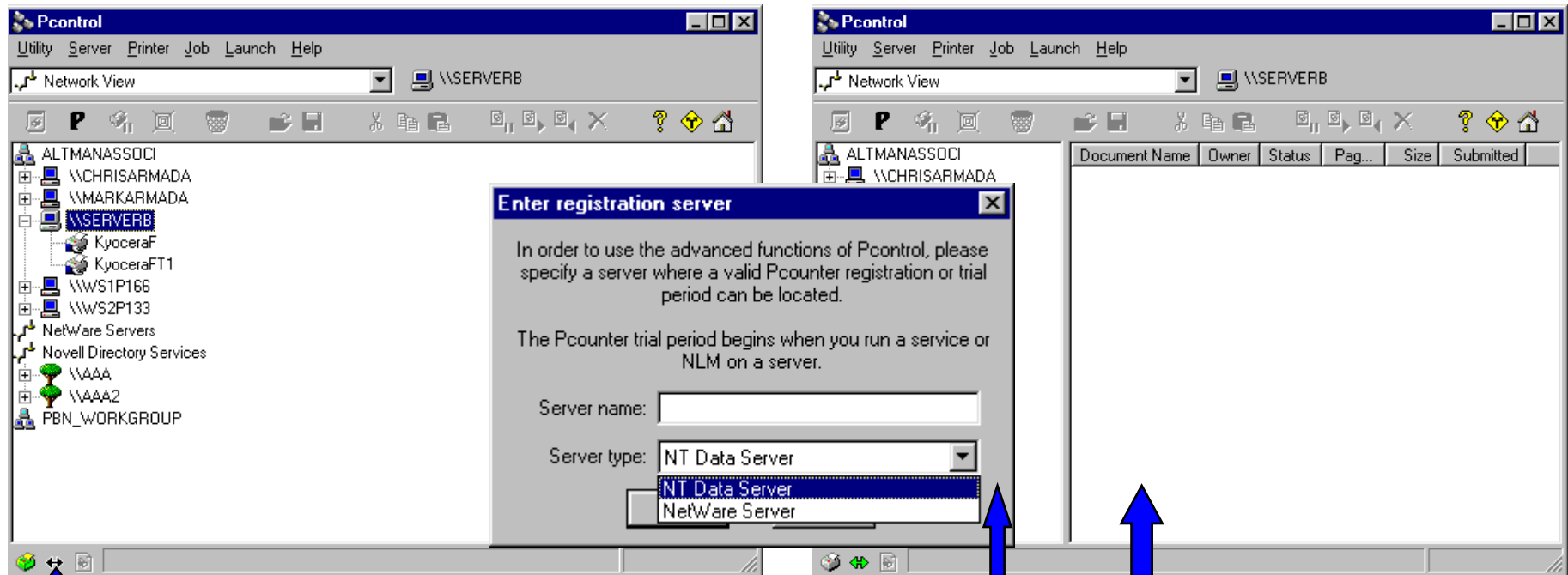
Select the **Services/Ports** tab
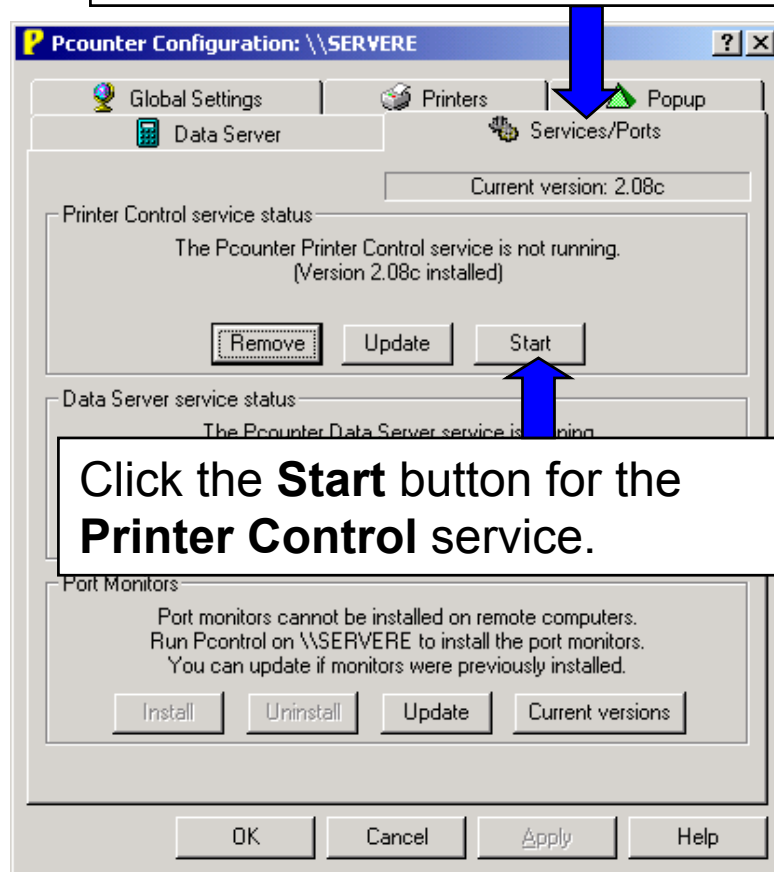
Click the **Start** button for the **Printer Control** service.

Confirm in the **Printer Control service status** area that the service is running and click **OK**.

The 60-day evaluation starts now. Pcounter is up and running!

PCOUNTER for NT/2000 - Configuration

To use the advanced PControl features, click the double-headed arrow.

Choose the NT Data Server type, enter the Server Name & click **OK**

Documents & details can now be viewed.

PCOUNTER for NT/2000 – Client Setup

No workstation set-up is necessary; however, we recommend that all workstations have their spooling set to "Start printing after Last page is spooled" to ensure that Pcounter counts the whole job to ensure it is within quota, before printing commences.

If you wish to use the client utilities, the following applies:

You don't need to run Setup to install the Pcounter software program group and icons on every desktop; you can install it in a shared network folder and access the programs through network browsing.

For PPopup and/or WBalance, all that is necessary is to add an icon or shortcut to local Startup groups or login scripts

Users who will be managing user account balances and reports will need the PAdmin.exe utility.

Web CGI utilities are available to allow users to check their balances via a web page or for managers to amend balances, see the section in the manual/help: **Accounting – Web CGI application**.

PCOUNTER for NT/2000 - Uninstalling

Uninstalling the software from your server desktop does not automatically uninstall the services and port monitors. You need to uninstall the services and port monitors *first* by running **PControl**.

Take the Pcounter ports off all printers (i.e. no thick black arrows to the left on the printing tab).

Then stop & uninstall the services from the Services/Ports tab.

Then uninstall the ports.

Finally, run uninstall for the Pcounter software from the Control Panel, Add/Remove programs.

PCOUNTER for NT/2000 - Registering

Once the 60-day evaluation for Pcounter is over, its functions will cease to work. Before this time, if you wish to buy the software, see the file "How2buy.htm" in the installed directory.

After buying Pcounter, a registration code will be sent to you.

To register the software:

1. Go to the **Global Settings** tab on each server for which you have bought Pcounter, click the **Registration and trial period** link and enter the code in the Registration number: box provided under **This computer**. If you have any workstation licences, enter this extra code in the Registration number: box provided under **Workstation printer licenses**. Click **OK**, confirm no errors.

2. Select the **Services/Ports** tab. Click the **Stop** button for the Data Server service. Confirm the service is stopped, click the **OK** button.

3. Click the **Start** button for the **Data Server service**. Confirm in the **Data Server service status** area that the service is running.

4. Your Pcounter software is now fully functional.

PCOUNTER for NT/2000 - Updating versions (1/2)

There is no need to un-install first. New versions can safely be installed over previous *so long as* you are within your <u>maintenance licence period</u>; otherwise the update will change Pcounter to be an expired evaluation!

(To check this, use the **Registration and trial period** link from the Global settings tab in PControl, Pcounter configuration. Check-

such that the date m/yyyy is Greater than the date specified in the version warning.)

Pcounter Registration

Register

This computer
Pcounter version: 2.09e [12/2002]
Domain name: OFFICE
Computer name: SERVERE
Registration number: EEFF0011
Registration status: Registered
(Maintenance valid through 3/2004)

Workstation printer licenses / On data server SERVERE
Registration number:
Registration status: 0 workstation printer hosts registered

Send trial period message to administrators at noon daily

OK   Cancel

PCOUNTER for NT/2000 - Updating versions (2/2)

Running Setup to install the software does not automatically update the Ports & Services. These need to be updated using PControl.

1. Select the NT/2000 computer and press the **P** icon or choose the Server, Pcounter, Pcounter configuration menu.

2. Next, select the **Services/Ports** tab. **Stop** both services, click the **Update** button for each service, then re-**Start** both services.

3. Click the **Update** button for the Ports. This takes you through a 5-stage menu, temporarily interrupting printing.

4. Ensure that any utilities being used, e.g. WBalance for workstations or Balance for Web, are also updated if they are being run from anywhere other than the default Pcounter install directory.

All configurations are left as before the update.

PCOUNTER for NT/2000 – Testing (1/3)

To test everything is running correctly, we recommend you send a test print job to each printer you have configured and then check the "print history" for the user who printed each job.

1. Load **Pcounter Administrator**

2. Select the user name, click **Print History** (open book) icon

PCOUNTER for NT/2000 – **Testing** (2/3)

The print history shows a full list of all print job details for the selected user:

Document name, Printer/queue, Date & time, Workstation, Paper size, Job size, Number of Pages, Cost and User Balance.

Document	Printer	Date/Time	Workstation	Paper size	Size	Pages	Cost	Balance
Microsoft Word - Document1	\\SERVERE\HPLJ2200	05/02/2003 13:52	\\WS7XP1600	A4	32008	1	0.05	40.90
about:blank	\\SERVERE\HPLJ2200	06/02/2003 10:54	\\WS7XP1600	A4	4062	1	0.05	40.85
about:blank	\\SERVERE\HPLJ2200	06/02/2003 10:54	\\WS7XP1600	A4	7813	1	0.05	40.80
Microsoft Word - Technical-Iss...	\\SERVERE\HPLJ2200	06/02/2003 10:54	\\WS7XP1600	A4	4066	1	0.05	40.75
about:blank	\\SERVERE\HPLJ2200	06/02/2003 10:54	\\WS7XP1600	A4	8151	1	0.05	40.70
Microsoft Word - PS2	\\SERVERE\HPLJ2200	06/02/2003 14:02	\\WS7XP1600	A4	2869	1	0.05	40.65
Microsoft Word - Document1	\\SERVERE\HPLJ2200	06/02/2003 14:02	\\WS7XP1600	A4	32444	1	0.05	40.60
Microsoft Word - Document2	\\SERVERE\HPLJ2200	06/02/2003 14:05	\\WS7XP1600	A4	32289	1	0.05	40.55

Print History: Sophie (Sophie Pike)
File Email
Total jobs: 122   Total pages: 207   Total cost: 10.35

PCOUNTER for NT/2000 – **Testing** (3/3)

1. For summary reports on printing usage, in PAdmin click the Reports (calculator + square-paper) icon.
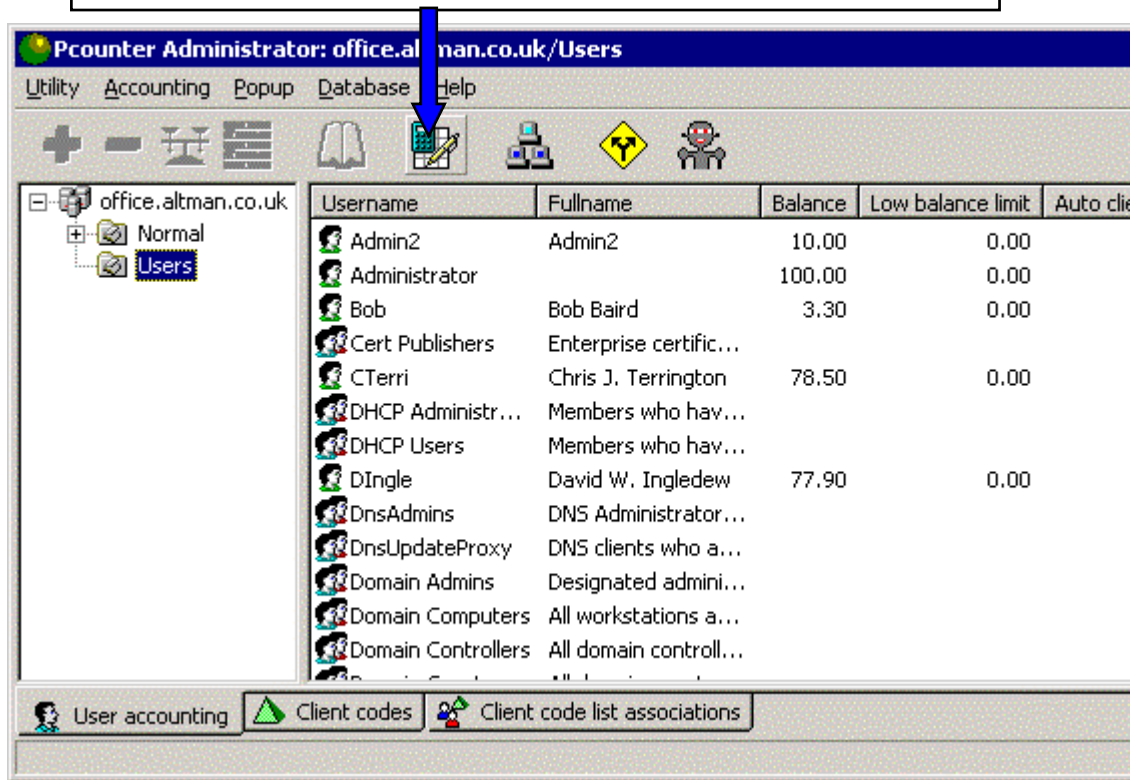
2. Then choose the report type & any other parameters, to create a report on screen, in HTML or Excel format.
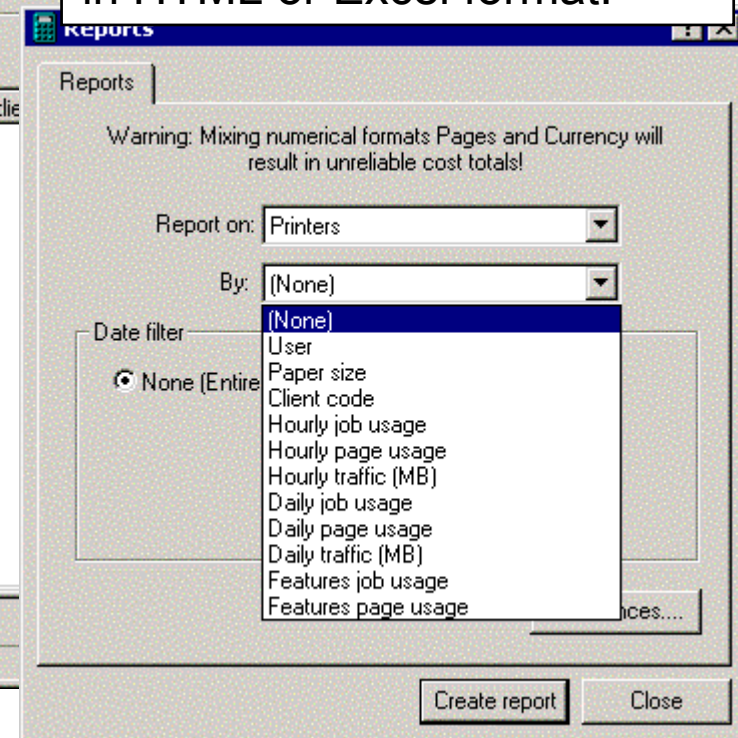
Pcounter Administrator: office.altman.co.uk/Users

Utility   Accounting   Popup   Database   Help
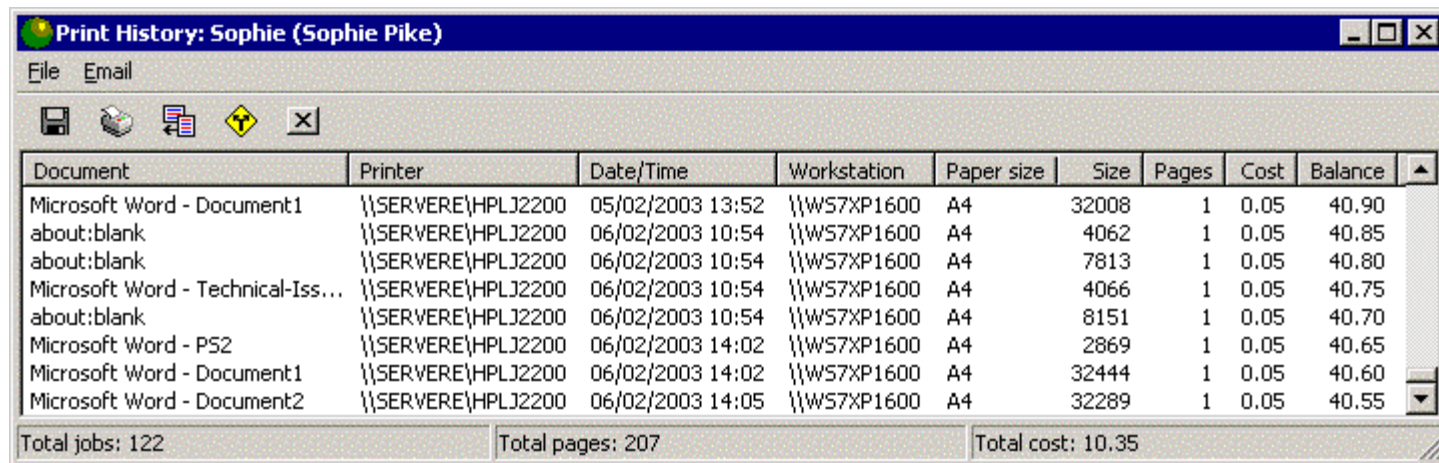
Username	Fullname	Balance	Low balance limit	Auto clie
Admin2	Admin2	10.00	0.00	
Administrator		100.00	0.00	
Bob	Bob Baird	3.30	0.00	
Cert Publishers	Enterprise certific...			
CTerri	Chris J. Terrington	78.50	0.00	
DHCP Administr...	Members who hav...			
DHCP Users	Members who hav...			
DIngle	David W. Ingledew	77.90	0.00	
DnsAdmins	DNS Administrator...			
DnsUpdateProxy	DNS clients who a...			
Domain Admins	Designated admini...			
Domain Computers	All workstations a...			
Domain Controllers	All domain controll...			

- office.altman.co.uk
  - Normal
  - Users

User accounting   Client codes   Client code list associations

Reports

Reports

Warning: Mixing numerical formats Pages and Currency will result in unreliable cost totals!

Report on: Printers

By: (None)

(None)
User
Paper size
Client code
Hourly job usage
Hourly page usage
Hourly traffic (MB)
Daily job usage
Daily page usage
Daily traffic (MB)
Features job usage
Features page usage

Date filter

None (Entire

Create report   Close

Do you have any questions ?

Contact us ...

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