

## **Network printing overview**

SuperPrint provides advantages in working with all network printing architectures. The greatest advantages are gained where both the client workstation and the printer server are running SuperPrint. In such a case, SuperPrint can send compact, object-based SuperMetafiles over the network (except when printing from Windows NT).

SuperQueue's enhanced messaging system gives every user on the network the ability to view the job queue and, for SuperDriver-generated jobs and data files printed directly from SuperQueue, enhanced status and error messages.

A SuperQueue-equipped client can submit filter jobs for processing on a SuperQueue-equipped server (remote processing) or *raw* printer data that's simply passed through to the server's printer (local processing). On networks where the printer server computer is not running SuperPrint, the client workstations can still get SuperPrint's improved graphics handling, processing speed, and multitasking when processing the print job locally.

### **Network printing of SuperQueue filter jobs:**

**Remote Processing** may not work in all client/server combinations of Windows 3.1, Windows 95, and Windows NT. When **Remote Processing** is not available, SuperQueue forces the client computer to do the rasterization and RAW printer data is sent over the network.

See also:

[Setting up network printing in Windows 95](#)

[Setting up network printing in Windows NT 3.51](#)

[Setting up network printing in Windows for Workgroups 3.11.](#)

## Setting up network printing in Windows 95

Technically, network printing with SuperMetafiles is a peer-to-peer process; it doesn't use a printer server architecture such as the one provided by Novell Netware. It simply shares files and messages. But for our purposes here, the **server** is the computer that's physically connected to the printer. The **client** is the remote network workstation that sends jobs to be printed on the server.

### Preparing the printer server computer in Windows 95

Install SuperPrint on the Windows 95 server, following all on-screen instructions for a complete installation.

- 1 Click **Start / Settings / Printers** to open the **Printers** folder.
- 2 Right-click the icon of the newly-installed printer and choose **Sharing** from the resulting menu.
- 3 Click the **Shared As** button and give the printer a name. The comment is optional. If necessary, use the **Add** and **Remove** buttons to edit the list of users with access.
- 4 Click **OK** to close.

The printer is ready to be shared.

### Preparing the client (remote) workstation in Windows 95

The following instructions apply whether the server is running SuperPrint or not:

Install SuperPrint on the workstation, following all on-screen instructions for a complete installation. Choose the same printer model as network printer.

- n If you have previously connected to your target network printer, its address will appear in the list of available ports. If this is the case, choose it, finish the installation and you are ready to print.
- n If the network printer address is not in the list, accept LPT1: and complete the following instructions:
  - 1 Click **Start / Settings / Printers** to open the **Printers** folder.
  - 2 Right-click the icon of the newly installed printer and choose **Properties** from the resulting menu.
  - 3 Click the **Details** tab.
  - 4 Click the **Add Ports** button. If you don't know the exact network address of the printer, click the **Browse** button and find it.
  - 5 Once the network address is selected, click **OK** to until you return to the Printers folder.  
The icon for this printer will change to the network printer icon.

You are now ready to print over the network.

[See also: Network printing overview](#)

## Setting up network printing in Windows NT 3.51

Technically, network printing with SuperMetafiles is a peer-to-peer process; it doesn't use a printer server architecture such as the one provided by Novell Netware. It simply shares files and messages. But for our purposes here, the **server** is the computer that's physically connected to the printer. The **client** is the remote network workstation that sends jobs to be printed on the server.

### Preparing the printer server computer in Windows NT

Install SuperPrint on the Windows NT server following all on-screen instructions for a complete installation.

- 1 Open Print Manager.
- 2 Highlight the window of the newly-installed printer and choose **Properties** from the **Printer** menu.
- 3 In the **Printer Properties** dialog box, check the box next to **Share This Printer On The Network**.
- 4 Fill in the **Share Name** and **Location**. Click the Detail button and clear the box next to **Job Prints While Spooling**.
- 5 Click OK to return to the Print Manager.

This printer is now ready to be shared.

### Preparing the client (remote) workstation in Windows NT

Note: the design of Windows NT 3.51 is not optimal for installing third-party network printer drivers. Certain port browsing and driver-sharing functions do not work as they should. Therefore, to make sure the correct driver files are placed on your hard disk, it is necessary to install a local printer with the appropriate driver and supporting files first. To avoid confusion, the local printer is then removed to make way for the network printer.

The following instructions apply whether the server is running SuperPrint or not. Only raw printer data can be sent from an NT workstation.

- 1 Install SuperPrint on the workstation, choosing the same printer model that you want to use on the network. This step will copy the proper files to your hard drive. Choose any port for now.
- 2 When SuperPrint is completely installed, open Print Manager.
- 3 Highlight the printer you just installed, and choose **Remove Printer** from the **Printer** menu. The printer will be removed, but necessary files will remain.
- 4 Choose **Connect to Printer** from the **Printer** menu.
- 5 In the resulting **Connect to Printer** dialog box, navigate to the location of the network printer and choose it.
- 6 Choose **OK**.

A new printer window appears in Print Manager with the designation of the network printer.

You are now ready to print over the network.

[See also: Network printing overview](#)

### Setting up network printing in Windows for Workgroups 3.11

Technically, network printing with SuperMetafiles is a peer-to-peer process; it doesn't use a printer server architecture such as the one provided by Novell Netware. It simply shares files and messages. But for our purposes here, the **server** is the computer that's physically connected to the printer. The **client** is the remote network workstation that sends jobs to be printed on the server.

#### Preparing the printer server computer in Windows for Workgroups 3.11

The following instructions allow SuperMetafiles and other SuperQueue datatypes to be shared in Windows for Workgroups 3.11. This is made possible by SuperPrint's installation of its own 32-bit processor architecture. Windows by itself is only capable of sharing raw printer data using Print Manager. Print Manager can work concurrently with SuperQueue if needed.

- 1 Install SuperPrint, following all on-screen instructions for a complete installation.
- 2 When SuperPrint setup is finished, open SuperQueue.
- 3 Choose Properties from the **Printer** menu
- 4 Choose the **Sharing** tab.
- 5 Check the box next to **Share this printer on the network**.
- 6 Fill in the **Share Name** and **Location**
- 7 Click **OK**.

A dialog will appear that sets up sharing under Print Manager. The printer names you use for SuperQueue and Print Manager must match exactly. In addition, SuperPrint requires that a specific directory be shared to enable metafile printing. You will also be presented with a dialog to confirm the shared directory. By default, the directory is placed off the root of the drive that contains your TEMP directory. You may change the drive or directory, but not the ZSpool name.

- 9 Confirm the directory and change the access rights to **Full**.
- 10 Click **OK**.

The printer is now ready to be shared.

#### Preparing the client (remote) workstation in Windows for Workgroups 3.11

- 1 Install SuperPrint, following all on-screen instructions for a complete installation. Choose the same printer model as the network printer. Accept LPT1: as the port designation for now.
- 2 When SuperPrint setup is finished, open SuperQueue.
- 3 Choose Properties from the Printer menu.
- 4 Click the Details tab.
- 5 Click the Add Ports button
- 6 Click the Browse button to find the location of the network printer.
- 7 Once the network address is selected, click OK until you return to the SuperQueue main window.

Note that whenever you see this printer in a list of available printers, the port will reflect the network address (for example, "HP LaserJet (Z) on \\larry\Larry's LaserJet").

You are now ready to print over the network.

[See also: Network printing overview](#)

