

NFS and Printer Server Help Content

NFS and Printer (PCNFSD) Server for Windows allows you to work in Microsoft Windows while sharing your drives and printers on the network in a place which is accessible to by other NFS client users.

One of the key features of *NFS and PRINTER SERVER for Windows* is its ability to operate in any Winsock-compliant TCP/IP, and to provide transparent file and printing access which allows you to access remote (network) files as if they were stored on your own PC.

Exporting Local Drives and Printers To the Network

There are two steps to export your local drives and printers to be a network file/printer system under Microsoft Windows:

1. Click **NFS and Printer SERVER icon to define a drive resource and an exported printer in NFS and Printer Server Windows**.
2. Restart the **NFS and Printer Server Window** to export the defined paths and the **PCNFSD printers**.

You can export your resources and printers as many as you would.

PCNFSD (Printer Server)

The purpose of the PCNFSD protocol is to provide a personal computer NFS client with the authentication and networking printing services which are usually available in large and more capable systems. The NFS client system can redirect its Windows printer through a PCNFSD server so all printing job from NFS clients can be printed to the printer, which is connected with the PCNFSD server. All the printing jobs are stored in a SPOOL directory of PCNFSD server system and sorted by the time they submitted.

Example: you can use XLinks NFS printer client to mount the system already running NFS & Printer server, and print out your jobs through the printer connected to that NFS & Printer Server. Following are the settings of the client and server.

SERVER SETTING

Under Windows, click NFS & Printer Server icon and then EXPORT button to define the printers you try to export. You need to give the exported printer the dedicated printer name.

NFS PRINTER CLIENT SETTING

Under Windows, set up your default windows printer port as LPT1.DOS or LPT1.DOS (based on NFS printer definition). In your NFS printer define box, just type the IP of the NFS & Printer Server and the printer name defined by NFS & Printer Server, and then press MOUNT to redirect your Windows printer. While the light turns green, you can print your jobs to that remote printer.

Examples To Mount An Exported Drive and Printer from UNIX Station and XLink NFS Client

Assume the name of your PC in the UNIX hosts table is ***x100*** and you already exported ***c:\public*** directory by NEW button and DEFAULT printer name by EXPORT button to the network.

For UNIX system, you need to create the path first, for example ***/support***, and types command ***mount x100:c:/public /support***

where the path should be (/): UNIX format.

For XLink NFS Client, in the Server Addr box, type the IP(or x100) of the NFS Server, in the mount path box, type ***c:/public***, type your user name and mark without PCNFSD box.

where the path should be (/): UNIX format.

For XLink NFS Printer, in the Server Addr box, type the IP(or x100) of the NFS Server, type your user name, and then enter the printer name defined in NFS server, for example DEFAULT. Password is not necessary.

Automatically Exporting the Local Drive Path

To automatically export all the local drive paths when Microsoft Windows is booting up, put the NFS Server icon in the Startup Windows Group after you have defined all the exported paths.

Deltree Limitation

There is a certain limitation to delete a group of files on mounted NFS drives, which are provided by this NFS Server. You will encounter the Error deleting file message box -- Make sure the correct path is specified. -- every time while you try to delete the group of files which are more than 100 files. Just IGNORE the warning message and continue deleting .

NFS and Printer Server Window

The **NFS and Printer Server Window** is used to see the status of exported paths, to make exported path definitions, and to export paths. **EXPORT** and **QUEUE** buttons are used to define the exported printers and to monitor the status of the printing jobs from other NFS clients.

New Button

Edit Button

Queue Button

Export Button

Clear Button

Exit Button

Once you have defined or modified a resource using the **New** button, you can restart NFS and Printer server icon to export it immediately and you can exit NFS and Printer server Windows to terminate exported resources. The status of all exported path is presented in this window:

The New Button

Before you can export a new network file system to other users, you must first click on the **New** button and provide the information needed to create a resource definition in the Define dialog box. *NFS Server* then uses this information to export the resource you have defined when you restart the **NFS server**.

Highlight the line you wish to define, then click the New button or double-click the selected line to bring up the NFS Server Define Window:

Follow these steps to create an exported path definition:

1. Select the path that you want to export to the other users, including drive and directory.
2. Enter the user names (or IP) which you have defined in HOSTS file to the AUTHORIZED CLIENTS if you only want a certain users to access this path. Or mark EXPORTED TO ALL CLIENTS if you want to export this path to any users.
3. When all parameter are correct, press **OK** to automatically save all definitions to the initialization file. The NFS and Printer Server window will show the parameters you have defined.
4. The export function can not be effective until NFS and Printer Server icon restarts.

You can repeat the procedure to define as many exported paths as you would.

The Edit Button

The **Edit** button lets you modify resource definitions that you need to change.

Follow these steps to edit an exported path:

1. Highlight the line you want to edit.
2. Modify all the parameters and press OK.

The Clear Button

The **Clear** button lets you delete resource definitions that you no longer need.

Follow these steps to delete a resource definition:

1. Highlight the line you want to delete.
2. Press the **Clear** button. All data in the line will disappear.

The Exit Button

Pressing the **Exit** button or selecting close in the NFS and Printer Server Window terminates NFS Server functions.

Note: *Remember to notify all mounted users to unmount their mounted drives before you close or exit the NFS and Printer server Window.*

The Queue Button

The Queue Button allows you to watch and control the status of the printing queue requested from NFS printer clients.

Pressing the Queue button, then the list box will show you the current printing jobs in the spool. You can press following buttons to stop, delete, and restart the queue.

Delete Button

To delete the job that you have highlight in the list box.

Abort Button

To pause the current printing activities. The jobs in the box list will be hold in SPOOL directory until the queue is resumed by pressing RESUME button.

Resume Button

To resume the printing after queue is paused by ABORT.

Close Button

To close the queue window.

Help Button

To get help information for NFS & Printer server.

Banner Page Box

If the check box is selected, every print job in the box list will print out with the banner page.

The Export Button

The Export Button allows you to export multiple printers for NFS printer clients.

Pressing the Export button, then the Exported Printer box will show you the current printer you have exported. You can press the following buttons to define, modify, and delete the printers.

New Button

To define the current printer for export. Before you can export your printers to other users, you must first click on the NEW button, provide the PRINTER NAME, and select the Printer setup. When all parameters are completed, press OK to automatically save all definitions to the initialization file. The Exported Printer box list will show the parameters you have defined.

You can repeat the procedure to define as many exported printers as you would.

Modify Button

To modify the exported printer that you have highlight in the list box.

Delete Button

To delete the exported printer that you have highlight in the list box.