

NetWare Bindery Mode (V2, V3, V4) and QUICKSET

Introduction

This document is for users who do not have Windows 95/98 or Windows NT.

It describes how to use the command-line DOS utility QUICKSET.EXE to configure your Print Server for use with NetWare Bindery-mode Servers.

Requirements

- NetWare 2.2, NetWare 3.1x.
- NetWare PCONSOLE V1.21 or higher in the file server.
- NetWare Print Server V1.22 or higher (remote printer mode only).
- DOS 3.3 or higher on workstations.
- Hardware installation must be completed.

Installation

Simply copy the file QUICKSET.EXE file from the \Utility\Quickset directory on the CD-ROM to your workstation's hard disk.

NetWare Operating Modes

Two NetWare operating modes are possible - *Print Server* and *Remote Printer*.

- **Print Server** mode is faster and uses fewer resources than Remote Printer mode but occupies a user login slot. This mode should be used if possible.
- **Remote Printer** mode has the advantage that it does not use a login slot.

Operation - Print Server Mode

The Print Server emulates NetWare PSERVER. When the unit is activated, it will perform the following operations:

- Login to specified NetWare file server(s).
- Poll the specified print queues.
- If there are print jobs in the print queues, then the Print Server will send them to the printer(s).

Operation - Remote Printer Mode

The Print Server emulates a NetWare Remote Printer. After the unit is activated, it will perform the following operations:

- Connect to NetWare PSERVER.
- Receive the print jobs sent by PSERVER.
- Convert the packet format to a acceptable printer format, and send the data to the printer.

Configuration Data

The Print Server requires the following "General" data, and the data for the mode (Print Server or Remote Printer) you are using.

General

Item	Description	Setting used by Quickset
Device Name	The <i>Default Server Name</i> is shown on a sticker on the device. If changed, the new name MUST NOT exceed 19 characters, nor contain any spaces.	Parameter provided by user.
Device Password	Default is NULL (no password).	No password.
NetWare Mode	<i>Print Server</i> or <i>Remote Printer</i> .	Depends on syntax used.
Frame Type	Ethernet 802.2, Ethernet 802.3, Ethernet SNAP, and Ethernet II.	All frame types enabled. (default)

Novell Remote Printer Mode

Item	Description	Setting used by Quickset
Novell Printer Server for P1	NetWare print server to service the Print Server's parallel port 1.	Parameter provided by user.
Novell Printer Server for P2, P3 & SP (if exist)	NetWare print server to service parallel port 2 (P2), parallel port 3 (P3), or Serial port (SP), if fitted.	As for P1.

Novell Print Server Mode

Item	Description	Setting used by Quickset
NDS Tree Name	n/a - NDS mode only.	n/a
Print Server NDS Context	n/a - NDS mode only.	n/a
Master file server (Bindery mode only)	Name of the Print Server's master file server.	Parameter provided by user.
Polling Queue Interval	Defines how often the Print Server will poll the queues to be serviced.	1 Second.
Job Notification by Connection ID	<i>Yes</i> means receive job notification at only the originating workstation, <i>No</i> means receive job notification at all logged-in workstations.	No. (Notification at all logins)
NetWare Password	The password used to login to the NetWare Print Server.	No password.

Configuration Procedure

This section describes how to use the supplied QUICKSET program to perform initial configuration of your Print Server.

The QUICKSET program will configure the Print Server and the current Novell server in a single operation. This is a DOS-based command-line program.

Preparation

1. Copy the QUICKSET.EXE file in the \Utility\Dos directory on the CD-ROM to your workstation's hard disk.
2. Log in to a bindery based file server as a SUPERVISOR or as a user with supervisory rights.
3. Run Quickset with the appropriate parameters. Refer to the following section for details for both NetWare Print Server mode and NetWare Remote Printer mode.

Note!



Quickset /? Will display a help screen.

In the "Syntax" sections, brackets () indicate optional parameters.

Quickset - NetWare Print Server Mode

Quickset Syntax

Quickset **Name** (/UN=**P**) (/Q1=**W**) (/Q2=**X**) (/Q3=**Y**) (/QS=**Z**) (/FS=**F**)

Parameter	Meaning
Name	The device name (Default Server Name) is shown on a sticker on the base of the device.
P	New name of the Print Server. Provide this parameter if you wish to change the name from the Default Server Name.
W, X, Y, Z	W, X, Y , and Z are the names of the queues to be serviced by parallel ports 1, 2, 3, and the serial port, respectively. The default queue names (P1, P2, P3, SP) will be used if these parameters are missing.
F	Master file server for this device. When multiple file servers are serviced; this information is stored in the master file server. If this parameter is not provided, the current server is used.

Example:

Quickset PS123456 /UN=Marketing /FS=Net311

In this example, unit PS123456 has been setup as a Novell Print Server. Its new name is *Marketing* and its Master File Server is Net311.

NetWare File Server Settings used by Quickset	
Print Server Object Name	Device name. (Default Server Name is used if no name is provided by user.)
Print Server Object Password	No password.
Printer Objects	dv_P1, dv_P2, dv_P3, dv_SP. (Where dv is the device name, P1, P2, P3 indicate the parallel ports, and SP indicates the serial port.)
Printer Queues	P1, P2, P3, SP. (Unless user provides different names as parameters)

Quickset - NetWare Remote Printer Mode

Quickset Syntax

Quickset **Name R** (UN=**P**) (/Q1=**W**) (/Q2=**X**) (/Q3=**Y**) (/QS=**Z**) /FS=**F**

Parameter	Meaning
Name	The default Print Server name (Server Name), as displayed on a sticker on the bottom of the unit.
R	R is the name of the NetWare print server that the Print Server will connect to. If this does not exist, it will be created.
P	The new name of the Print Server. Provide this parameter if you wish to change the device name.
W, X, Y, Z	W, X, Y, and Z are the names of the queues to be serviced by parallel ports 1, 2, 3, and the serial port, respectively. If you do not provide these parameters, then P1, P2, P3 and SP are used as the queue names.
F	F is the name of the file server that the NetWare print server R logs onto.

Example:

Quickset PS123456 PS1 /UN=Marketing /FS=Net311

In this example, Print Server PS123456 has been setup as a remote printer that is attached to the NetWare print server, PS1, on the Net311 file server.

NetWare Print Server Settings used by Quickset	
Printer name for P1 (Parallel port 1)	Device name.
Printer Type for P1	Remote parallel.
Printer name for P2, P3, SP	Dv_P2, Dv_P3, Dv_SP Where Dv is the device name.
Printer Type (P2, P3, SP)	Remote parallel or Remote serial, as appropriate.
Printer Queue names	P1, P2, P3, SP are used if the user does not supply queue names as parameters.

Printing

To print a job to the Print Server PSxxxxxx, you can use NetWare's standard utilities: **CAPTURE**, **NPRINT**, or **PCONSOLE**.

On-line help for these commands is obtained by typing `/?` after the command. (e.g. `CAPTURE /? [ENTER]`)

In the following examples, print queue P1 is serviced by Print Server PSxxxxxx. To print, the file is sent to print queue P1.

Example 1:

To use **NPRINT** to print the file `c:\config.sys` to PSxxxxxx, using the queue "P1", use the command:

```
NPRINT c:\config.sys /Q=P1 /NOTI /T=4 /NFF /NB
```

For NPRINT usage and options, see your NetWare documentation.

Example 2:

To use **CAPTURE** to print the file `c:\config.sys` to the Print Server port associated with print queue "P1", use the commands:

```
CAPTURE /L=1 /Q=P1 /NOTI /NT /FF /NB  
COPY c:\config.sys LPT1
```

In this example, output destined for LPT1 is redirected to Print Queue P1. It will then be printed by the printer associated with this queue.

- Normally, the **CAPTURE** command is used within a Login script, so that users will gain automatic access to the Print Server's printers.
- For **CAPTURE** usage and options, see your NetWare documentation.