

For Remote Printer Mode With NetWare 4.x Bindery Emulation



Before using bindery emulation, check that bindery emulation is compatible with the NetWare server.

- 1** From a client computer, log on with Supervisor permissions to access the NetWare server where the Pserver is registered.
- 2** Start up Pconsole.
- 3** From the [Available Options] list, select [Quick Setup], and then click the [Enter] button.
- 4** Enter the appropriate names in the [Printer Server Name], [Printer Name], [Print Queue Name], and [Print Queue Volume] fields, select [Other/Unknown] from the [Printer type] field, and then save the specified settings.
- 5** Click the [Esc] button to quit Pconsole.
- 6** Use the NetWare server console to load PSERVER.NLM.



For queue user privileges, printer notification option, assignment of multiple queues, and passwords, refer to the NetWare documentation, and specify settings as necessary.

- 7 In Administrator mode of PageScope Web Connection, select [NetWare] from the [Network] tab, and then specify the following settings.



Log out

System Job Print Scan Network

NetWare

NetWare Print: Enable

Frame Type: Auto

Mode: NPrinter/RPrinter

PServer

Print Server Name: BHC25-DD47BA

Print Server Password: []

Retype Password: []

Print Queue Scan Rate: 1 Seconds(1-65535)

Bindery/NDS: NDS

Preferred File Server: []

Preferred NDS Context Name: []

Preferred NDS Tree Name: []

NPrinter/RPrinter

Printer Name: BHC25-DD47BA

Printer Number: 255 (0-255,255:Auto)

Apply Clear

- NetWare Print: Select [Enable].
- Frame Type:
Select [Auto]. (Select the frame type according to the network environment.)
- Mode: Select [NPrinter/RPrinter].
- Printer Name:
Specify the printer name. (Default: BHC25-XXXXXX)
- Printer Number:
Specify the printer number (0-255). When 255 is specified, the setting is [Auto].

- 8 Restart the printer (turn the printer off, then on again).

- 9 Use the NetWare server console to display the print server screen, and then check that the created printer is shown as [Waiting for Job] for the connected printer (0).

For Print Server Mode With NetWare 4.x Bindery Emulation



Before using bindery emulation, check that bindery emulation is compatible with the NetWare server.

- 1 From a client computer, log on with Supervisor permissions to access the NetWare server where the Pserver is registered.
- 2 Start up Pconsole.
- 3 From the [Available Options] list, select [Quick Setup], and then click the [Enter] button.
- 4 Enter the appropriate names in the [Printer Server Name], [Printer Name], [Print Queue Name], and [Print Queue Volume] fields, select [Other/Unknown] from the [Printer type] field, and then save the specified settings.
- 5 Click the [Esc] button to quit Pconsole.
- 6 In Administrator mode of PageScope Web Connection, select [NetWare] from the [Network] tab, and then specify the following settings.



The screenshot shows the PageScope Web Connection interface. At the top, there are tabs for System, Job, Print, Scan, and Network. The Network tab is selected. On the left, there is a navigation menu with a tree view showing various protocols and services. The main content area is titled 'NetWare' and contains the following configuration sections:

- NetWare**:
 - NetWare Print: Enable (dropdown)
 - Frame Type: Auto (dropdown)
 - Mode: PServer (dropdown)
- PServer**:
 - Print Server Name: BHC25-DD47BA
 - Print Server Password: [masked]
 - Retype Password: [masked]
 - Print Queue Scan Rate: 1 Seconds(1-65535)
 - Bindery/NDS: Bindery/NDS (dropdown)
 - Preferred File Server: file_server
 - Preferred NDS Context Name: [empty]
 - Preferred NDS Tree Name: [empty]
- NPrinter/RPrinter**:
 - Printer Name: BHC25-DD47BA
 - Printer Number: 255 (0-255,255:Auto)

At the bottom right of the configuration area, there are 'Apply' and 'Clear' buttons.

- NetWare Print: Select [Enable].
- Frame Type:
Select [Auto]. (Select the frame type according to the network environment.)
- Mode: Select [PServer].
- Print Server Name:
Specify the print server name created in step 4.
- Print Server Password:
Specify only when setting from the NetWare server.
- Print Queue Scan Rate: Specify 1. (Change as necessary.)
- Bindery/NDS: Select [Bindery/NDS].
- Preferred File Server:
Specify the name of the file server that connects to the Pserver.

7 Restart the printer (turn the printer off, then on again).

8 Use the NetWare server console to load MONITOR.NLM.

9 Select the connection information and, in the active connection column, check that the created Pserver is connected.

For NetWare 4.x Remote Printer Mode (NDS)

1 Log on to NetWare as an administrator from a client computer.

2 Start up NWadmin.

3 Select either the organization or organizational unit container that offers the print service, and then click [Print Services Quick Setup] on the [Tools] menu.

4 Enter the appropriate names in the [Printer Server Name], [Printer Name], [Print Queue Name], and [Print Queue Volume] fields, select [Other/Unknown] from the [Printer type] field, and then save the specified settings.



For queue user privileges, printer notification option, assignment of multiple queues, and passwords, refer to the NetWare documentation, and specify settings as necessary.

- 5 In Administrator mode of PageScope Web Connection, select [NetWare] from the [Network] tab, and then specify the following settings.



Log out System Job Print Scan Network

TCP/IP
Bonjour
LDAP
WSD
NetWare
NetWare
NetWare Status
IPP
FTP
SNMP
AppleTalk
Email
SMB
SSL/TLS
Authentication

NetWare

NetWare Print
Frame Type
Mode

PServer

Print Server Name
Print Server Password
Retype Password
Print Queue Scan Rate Seconds(1-65535)
Bindery/NDS
Preferred File Server
Preferred NDS Context Name
Preferred NDS Tree Name

NPrinter/RPrinter

Printer Name
Printer Number (0-255,255:Auto)

Apply Clear

- [NetWare Print]: Select [Enable].
- [Frame Type]:
Select [Auto]. (Select the frame type according to the network environment.)
- [Mode]: Select [NPrinter/RPrinter].
- [Printer Name]:
Specify the printer name. (Default: BHC25-XXXXXX)
- [Printer Number]:
Specify the printer number (0-255). When 255 is specified, the setting is [Auto].

6 Restart the printer (turn the printer off, then on again)

7 Use the NetWare server console to load PSERVER.NLM.

8 Use the NetWare server console to display the print server screen, and then check that created printer is shown as [Waiting for Job] for the connected printer (0).

For NetWare 4.x/5.x/6 Print Server Mode (NDS)



To use the Print Server mode, the IPX protocol must be loaded on the NetWare server.

- 1 Log on to NetWare as an administrator from a client computer.
- 2 Start up NWadmin.
- 3 Select either the organization or organizational unit container that offers the print service, and then click [Print Services Quick Setup (non-NDPS)] on the [Tools] menu.
- 4 Enter the appropriate names in the [Printer Server Name], [Printer Name], [Print Queue Name], and [Print Queue Volume] fields, select [Other/Unknown] from the [Printer Type] field, and then click the [Create] button.



For queue user privileges, printer notification option, assignment of multiple queues, and passwords, refer to the NetWare documentation, and specify settings as necessary.

- 5 In Administrator mode of PageScope Web Connection, select [NetWare] from the [Network] tab, and then specify the following settings.

Ready

Log outSystemJobPrintScanNetwork

TCP/IP

Bonjour

LDAP

WSD

LLTD

▼ NetWare

▶ NetWare

▶ NetWare Status

IPP

FTP

▶ SNMP

▶ AppleTalk

▶ Email

▶ SMB

▶ SSL/TLS

▶ Authentication

NetWare

NetWare Print

Frame Type

Mode

PServer

Print Server Name

Print Server Password

Retype Password

Print Queue Scan Rate Seconds(1-65535)

Bindery/NDS

Preferred File Server

Preferred NDS Context Name

Preferred NDS Tree Name

NPrinter/RPrinter

Printer Name

Printer Number (0-255,255:Auto)

- NetWare Print: Select [Enable].
- Frame Type:
Select [Auto]. (Select the frame type according to the network environment.)
- Mode: Select [PServer].
- Print Server Name: Specify the print server name created in step 4.
- Print Server Password: Specify only when setting from the NetWare server.
- Print Queue Scan Rate: Specify 1. (Change as necessary.)
- Bindery/NDS: Select [NDS].
- Preferred NDS Context Name:
Specify the name of the context that connects to Pserver.
- Preferred NDS Tree Name:
Specify the name of the tree that Pserver logs on to.

6 Restart the printer (turn the printer off, then on again).

7 Use the NetWare server console to load MONITOR.NLM.

8 Select the connection information and, in the active connection column, check that the created Pserver is connected.



For NetWare 5.x/6 Novell Distributed Print Service (NDPS)



Before specifying settings for NDPS, check that the NDPS broker and NDPS manager have been created and loaded.



Also, before performing the following procedure, check that the TCP/IP protocol has been set in the NetWare server, and check that the IP address has been set for this machine and that this machine is on.

- 1 Log on to NetWare as an administrator from a client computer.
- 2 Start up NWadmin.
- 3 Right-click the organization or organizational unit container where you will create the printer agent, and then click [NDPS Printer] on the [Create] submenu.
- 4 In the [NDPS Printer Name] box, enter the printer name.
- 5 In the [Printer Agent Source] column, select [Create a New Printer Agent], and then click the [Create] button.
- 6 Check the printer agent name, and then in the [NDPS Manager Name] box, browse through the NDPS manager names, and register one.
- 7 In the [Gateway Types], select [Novell Printer Gateway], and then register it.
- 8 In the Configure Novell PDS for Printer Agent window, select [(None)] for the printer type and [Novell Port Handler] for the port handler type, and then register the settings.
- 9 In [Connection type], select [Remote (LPR on IP)], and then register it.
- 10 Enter the IP address set for this machine as the host address, enter [Print] as the printer name, and then click the [Finish] button to register the settings.
- 11 The printer driver registration screen appears. Select [None] for each operating system to complete the registration.



For settings for the queue user rights, printer notification option, assignment of multiple queues, and passwords, refer to the NetWare documentation, and set them as necessary.

Setting Up a Client (Windows) Settings When Using the NetWare Server

- 1 For Windows Vista/Server 2008, click the [Start] button, select [Control Panel], and then click [Hardware and Sound] to select [Printers].
For Windows XP/Server 2003, click the [Start] button, and then click [Printers and Faxes].
For Windows 7, click the [Start] button, select [Control Panel], and then click [Hardware and Sound] to select [Devices and Printers].



If [Printers and Faxes] does not appear in the Start menu, open the Control Panel from the Start menu, select [Printers and Other Hardware], and then select [Printers and Faxes].

- 2 For Windows Server 2003, double-click the [Add Printer] icon.
For Windows Vista/7/Server 2008, click [Add a printer] on the menu.
For Windows XP, click [Add a printer] on the [Printer Tasks] menu. The [Add Printer Wizard] starts up.
 - 3 In the port settings, browse the network, and specify the name of the created queue (or NDPS printer name).
 - 4 In the [Printer Model] list, specify the folder on the CD/DVD that contains the printer driver for the operating system and printer driver to be used.
 - 5 Follow the on-screen instructions to complete the installation.
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