

Installing DP-XXX into NDPS (Novell Directory Print Services)

Introduction

Novell' Distributed Print ServicesTM (NDPSTM) is a product built on Novell's next generation printing architecture that allows administrators to take advantage of built-in printer intelligence to centrally manage network printing resources, improve network printing performance, and reduce the hassles of network printing for end-users. The NDPS architecture was designed in partnership with Hewlett-Packard Company and Xerox Corporation to leverage their expertise in network printing

This document will guide you to setup a print server (DP-100/300) to work with NDPS under IP protocol only environment.

Requirement:

1. You need a Win95/98 machine on the network with IPX/SPX protocol and Client for Netware Networks (or Client32).
2. You must have supervisor/administrator access right on the Netware server.
3. In the following document, it is assumed that the settings in Novell Server are:

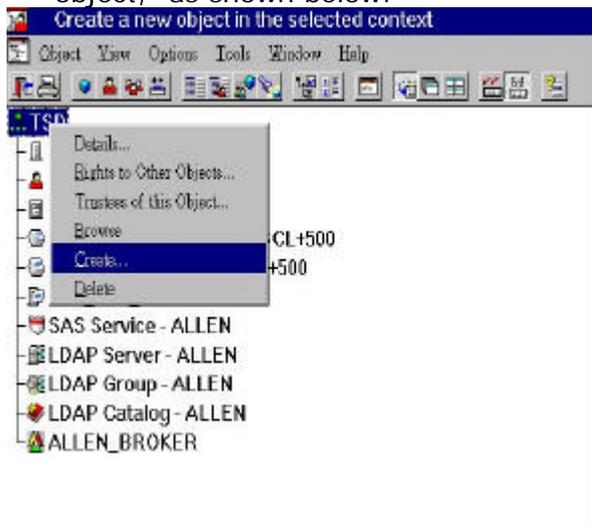
- Server Name = Allen
- Tree Name = D-Link
- Organization = TSD
- CN = Admin.TSD

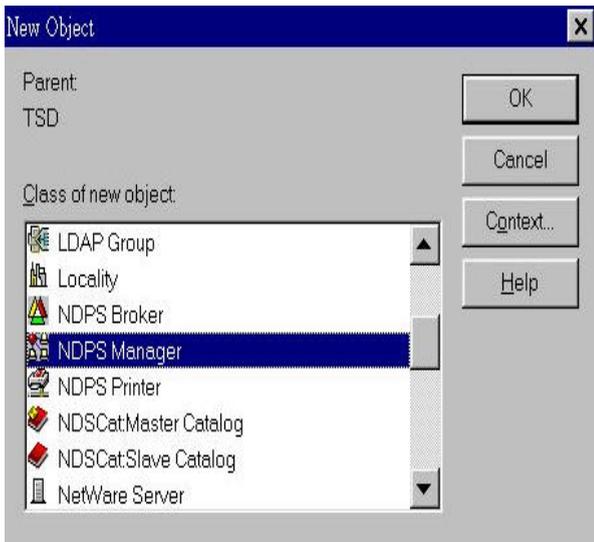
These are examples only, your NDS will have a particular naming convention.

Procedure:

Step 1. Create a NDPS Manager Object

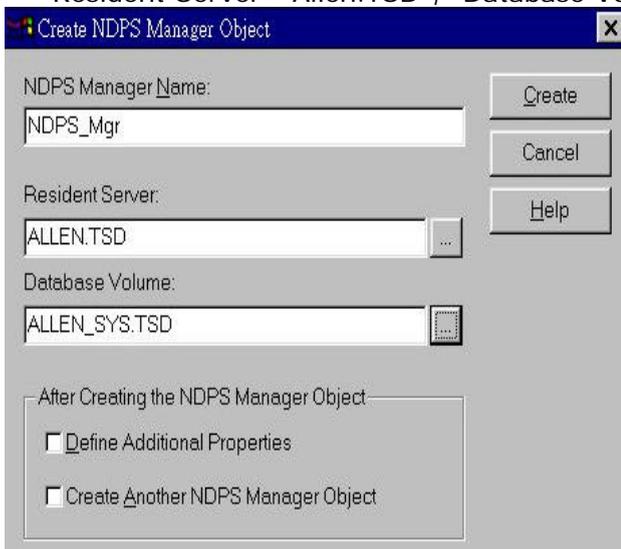
- 1.1 Start your Novell Client under Windows95/98, and Login to Netware server as Admin.
- 1.2 Execute "**Nwadmn32.exe**" located in **Allen/SYS:\Public\Win32**.
- 1.3 Click the Tree, click the right button of mouse, and select "Create an NDPS Manager object," as shown below:





1.4 Select NDPS Manager, then click "OK."

1.5 Type a name in NDPS Manager Name (e.g., NDPS_Mgr). Browse the "Resident Server and Database Volume" and assign the correct server and volume (that is, "Resident Server= Allen.TSD", "Database Volume= Allen_SYS.TSD" in this case).



1.6 Click "Create."

Step 2. Load NDPS Manager service in Netware

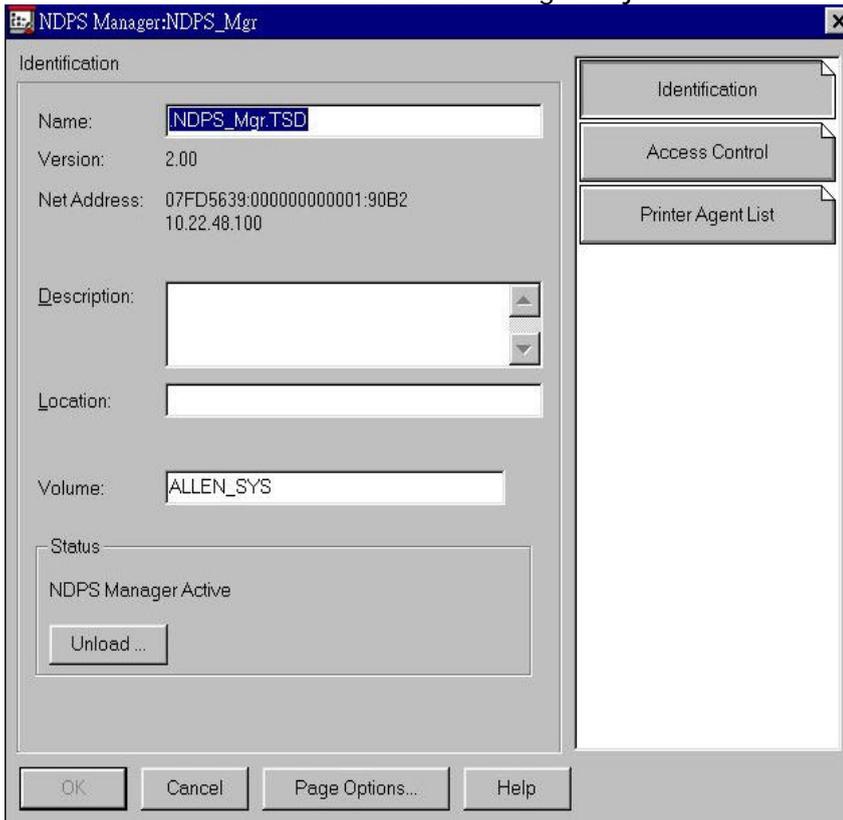
2.1 Type "NDPSM" on Netware Server's console and select NDPS Manager object (e.g., NDPS_Mgr).

Note: To autoload the NDPS Manager object, please add the following line to the AUTOEXEC.NCF file.

Load NDPSM NDPS_Mgr.TSD

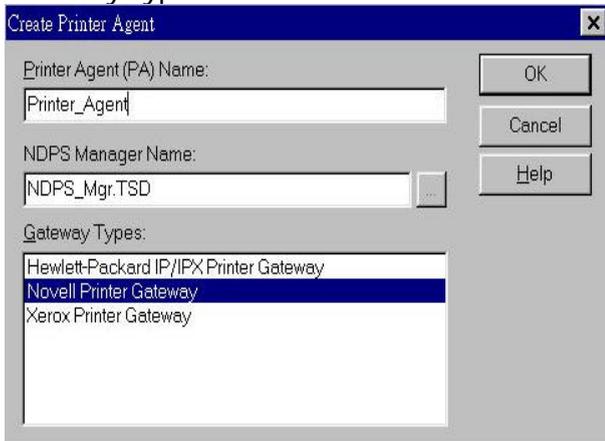
Step 3. Create a "Printer Agent in the NDPS Manager Object" by using Netware administrator.

3.1. Double-click the NDPS Manager object.

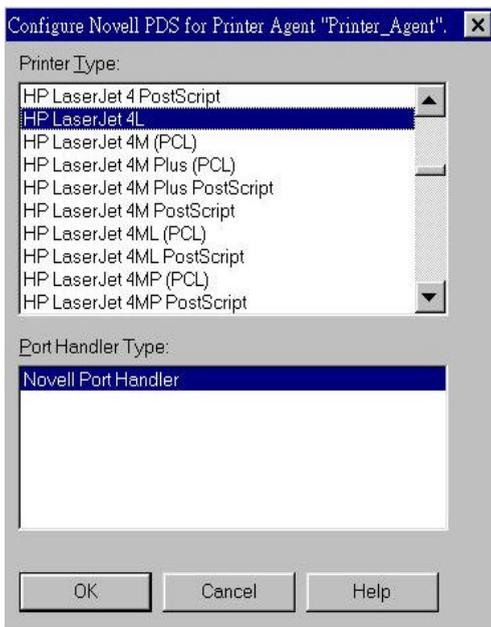


3.2. Click the Printer Agent List, then click "New".

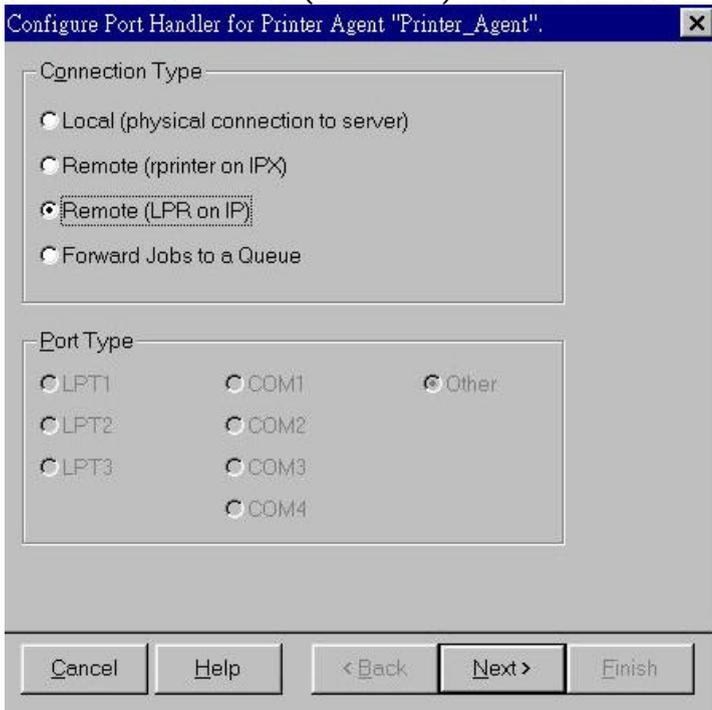
3.3. Type NDPS Printer name (e.g., Printer_Agent), then select "Novell Printer Gateway" in Gateway type.



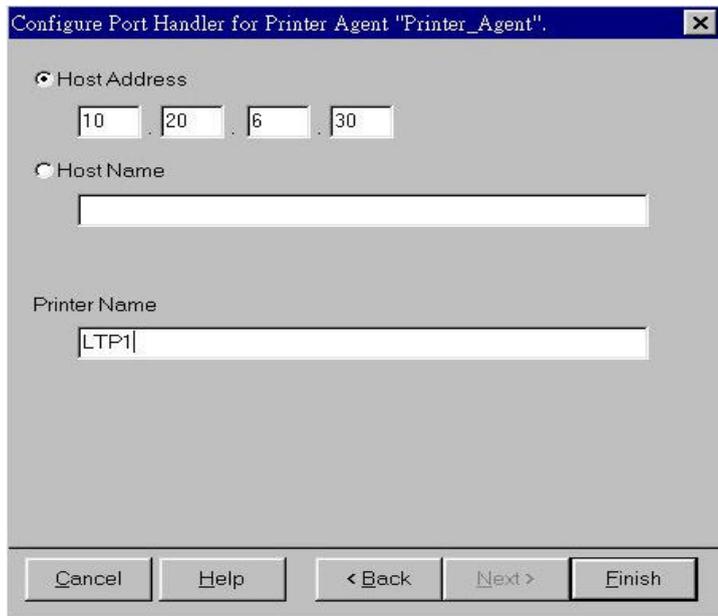
3.4. Click "OK"



- 3.5. Select the driver (or a compatible driver) of your printer.
- 3.6. Click "OK."
- 3.7. Select Remote (LPR on IP) in the Connection Type.

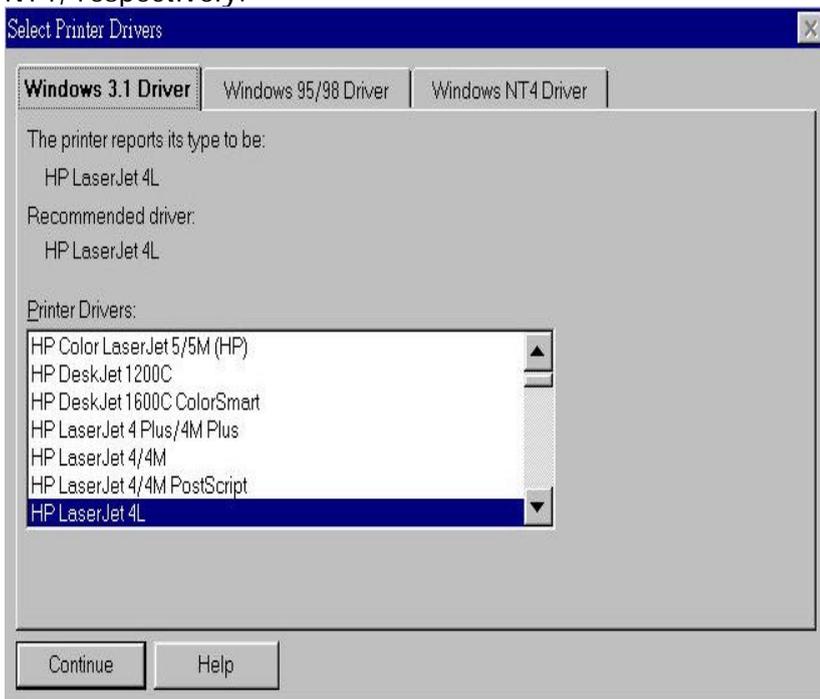


- 3.8. Click "Next."
- 3.9. Assign "Host Address" as the IP of Printer Server and "Printer Name" as the Port Name of Printer Server.

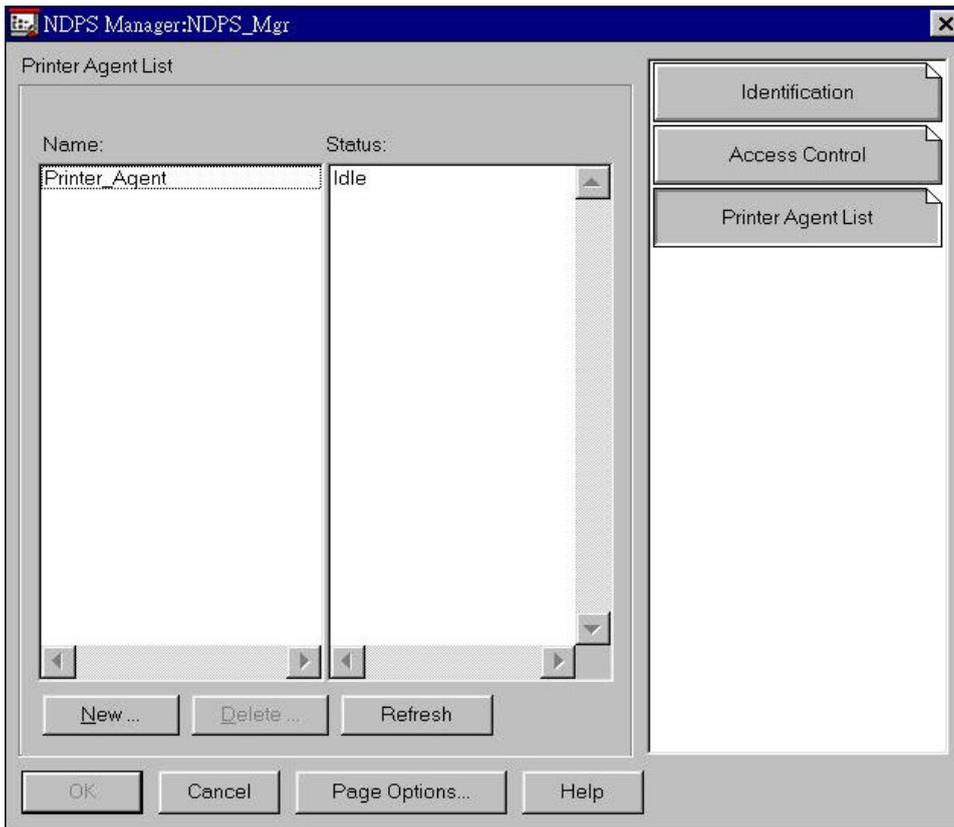


3.10 Click "Finish."

3.11 Select the driver (or a compatible driver) for Windows3.1, Windows95/98 and Windows NT4, respectively.



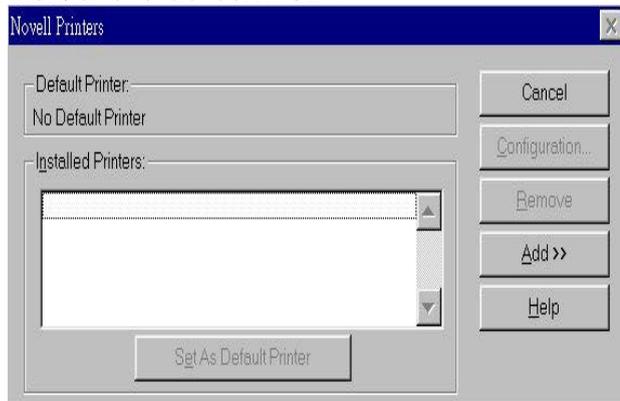
3.12 The new Printer Agent will now appear in the Printer Agent Windows.



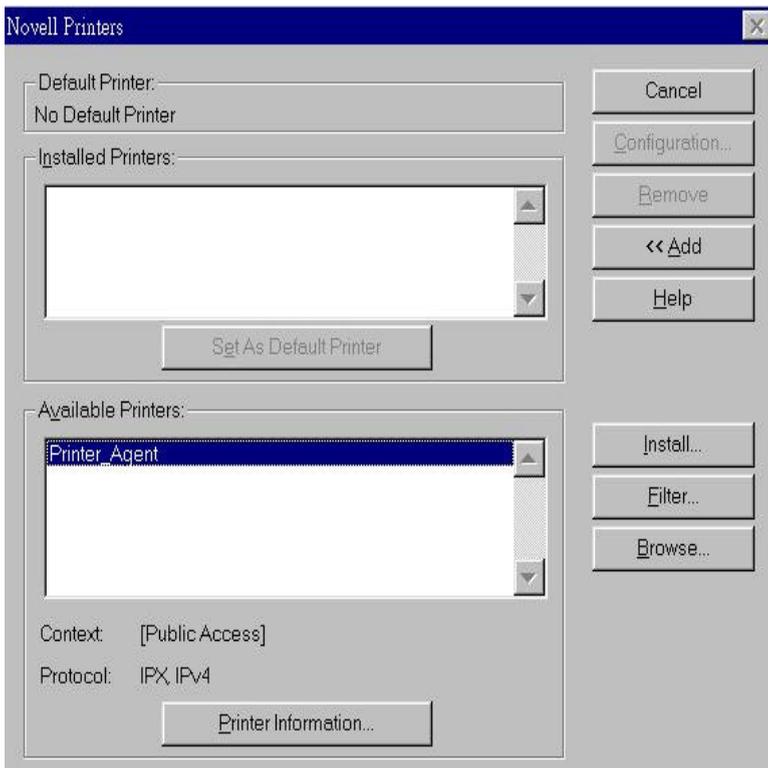
3.13 Now, you have created a Public Access Printer successfully.

Step 4. Install a Novell Printer on your (IP protocol only) workstation. (Note: Installing Novell Client32 for Windows95/98 on each workstation using NDPS is a must.)

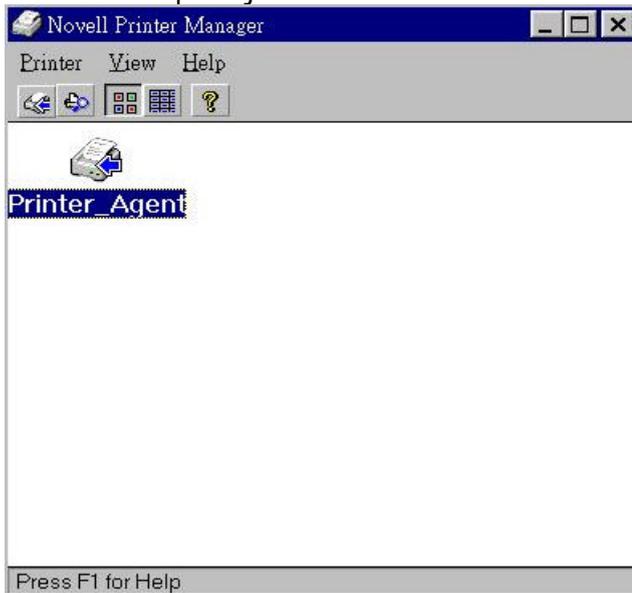
4.1 Execute "Nwpmw32.exe" on Novell Client for Windows95/98 located in "Allen/SYS:\Public\Win32".



4.2 Click "Add," select a printer and install (e.g., Printer_Agent). Close the windows.



4.3 The Printer (e.g., Printer_Agent) appears in the main Printer Manager windows and is available for print jobs.



4.4 Now, you can see an available printer under "My Computer->Printer" of Windows95/98. Please print a test print.

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