Install Print Server under Novell NDPS Environment

By Allen Hwang, Jan. 29, 1999

Introduction:

Novell' Distributed Print ServicesTM (NDPSTM) is a product built on next Novell's 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 SPX/IPX protocol and Client for NetWare Networks (or Client32).
- 2. You must install Novell Client v3.1 for Windows 95/98 English. Novell Client v3.1 for Windows 95/98 English is free.
- 3. You must have supervisor/administrator access right on the NetWare server.
- 4. 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

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:

M (Create a new object in t	he selected context
💽 Obj 【全昌	ect View Options Iools	Window Help V ¥I 🗖 🌾 🖽 🎇
	Details Rights to Other Objects Trustees of this Object Browse Create	-CL+500 +500
- [⊅] - [♥] S. - [ﷺ L - [ﷺ L - ∰ L - ∰ L	Delete AS Service - ALLEN DAP Server - ALLEN DAP Group - ALLEN DAP Catalog - ALLEN LLEN_BROKER	

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).

NDPS Manager <u>N</u> ame:	<u>C</u> reate
NDPS_Mgr	Cance
Resident Server.	
ALLEN.TSD	
Database Volume:	
ALLEN_SYS.TSD	
After Creating the NDPS Manager Object	-
☐ Define Additional Properties	
Create Another NDPS Manager Object	

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 autolaod 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.

		Identification
Name:	NDPS_Mgr.TSD	
/ersion:	2.00	Access Control
Net Address:	07FD5639:00000000001:90B2 10.22.48.100	Printer Agent List
<u>D</u> escription:]
₌ocation:		÷
/olume:	ALLEN_SYS	
-Status		
NDPS Mana	ger Active	
Unload	1	

- 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.

X
OK
Cancel

- 3.4 Click "OK"
- 3.5 Select the driver (or a compatible driver) of your printer.

Configure Novell PDS for Printer Agent "Printer_Agent".	×
Printer <u>T</u> ype:	
HP LaserJet 4 PostScript HP LaserJet 4L HP LaserJet 4M (PCL) HP LaserJet 4M Plus (PCL) HP LaserJet 4M Plus PostScript HP LaserJet 4M PostScript HP LaserJet 4ML (PCL) HP LaserJet 4ML (PCL)	
HP LaserJet 4MP (PCL) HP LaserJet 4MP PostScript	
Novell Port Handler	
OK Cancel Help	

- 3.6 Click "OK."
- 3.7 Select Remote (LPR on IP) in the Connection Type.

C Local (phys) C Remote (rp	sical connection to se rinter on IPX)	erver)	
• Remote (LF	PR on IP)		
C Forward Jo	bs to a Queue		
Port Type —			
OLPT1		C Other	
OLPT2	C COM2		
C LPT3	C COM3		
	C COM4		

- 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.

Configure Port I	Handler for Prin	ter Agent "Prin	.ter_Agent".	×
	ess 20	30		
C Host Name	3			
Printer Name				
<u>C</u> ancel	Help	< <u>B</u> ack	<u>N</u> ext>	<u> </u>

3.10 Click "Finish."

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

Windows 3.1 Driver	Windows 95/98 Driver	Windows NT4 Driver	
The printer reports its tyr	ne to he:	n - Change and an announce of the second second Second second	
HPI acor lot di			
Hecommended unver.			
HP LaserJet 4L			
Printer Drivers:			
– HP Color LaserJet 5/5/v	1 (HP)		
HP DeskJet 1200C	. ()		
HP DeskJet 1600C Cold	orSmart		
HP LaserJet 4 Plus/4M	Plus		
HP LaserJet 4/4M Post	Script		
HP LaserJet 4L			

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

		Identification
Name:	Status:	Access Control
Printer_Agent	ildle	Printer Agent List
4		<u>~</u>]
New De	ete Refresh	

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".

Default Printer:	Cancel
No Default Printer	<u>C</u> onfiguration
	<u>R</u> emove
1	<u>A</u> dd >>
v	Help

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

le Defenik Déster	Cancel
o Detauit Minter	<u>C</u> onfiguration
	Bemove
	<< <u>A</u> dd
	✓ <u>H</u> elp
S <u>e</u> t As Default Printer	
wailable Printers	
Printer_Agent	Install
	Browse
	_
ontext. [Public Access]	

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 page to confirm the printer is available.