D-Link TECHNICAL BULLETIN

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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:

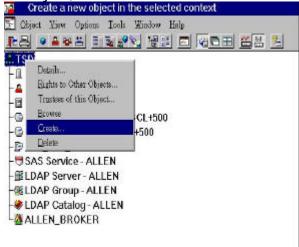
- 1. You need a Win95/98 machine on the network with IPX/SPX protocol and Client for Netware Networks (or Client32).
- 2. You must have supervisor/administrator access right on the Netware server.
- 3. In the following document, it is assumed that the settings in Novell Server are:
- Server Name = Allen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



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New Object	×
Parent:	ОК
TSD	Cancel
<u>C</u> lass of new object	
LDAP Group	Context
Locality	<u>H</u> elp
🛆 NDPS Broker	
🎋 NDPS Manager	
🕰 NDPS Printer	
😻 NDSCat:Master Catalog	
🔷 NDSCat:Slave Catalog	
🛽 NetWare Server	T

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:	Create
NDPS_Mgr	Cance
Resident Server:	<u>H</u> elp
ALLEN.TSD	
Database Volume:	
ALLEN_SYS.TSD	
After Creating the NDPS Manager Object	
Define Additional Properties	

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.

ntification		Identification
lame:	NDPS_Mgr.TSD	
/ersion:	2.00	Access Control
let Address:	07FD5639:00000000001:90B2 10.22.48.100	Printer Agent List
<u>)</u> escription:		
ocation:		
/olume:	ALLEN_SYS	
Status		1
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.

Create Printer Agent	×
Printer Agent (PA) Name:	OK
Printer_Agent	Cancel
NDPS Manager Name:	
NDPS_Mgr.TSD	
<u>G</u> ateway Types:	
Hewlett-Packard IP/IPX Printer Gateway	_
Novell Printer Gateway	
Xerox Printer Gateway	

3.4. Click "OK"

Configure Novell P	DS for Printer Age	nt "Printer_Agent".	×
Printer <u>T</u> ype:			
HP LaserJet 4 Pr HP LaserJet 4L HP LaserJet 4M HP LaserJet 4M HP LaserJet 4M HP LaserJet 4M	(PCL) Plus (PCL) Plus PostScript PostScript		
HP LaserJet 4ML HP LaserJet 4ML HP LaserJet 4Mf HP LaserJet 4Mf	_ PostŚcript ⊇(PCL)	-	
Port Handler Typ			
ОК	Cancel	Help	

- Select the driver (or a compatible driver) of your printer. Click "OK." 3.5.
- 3.6.

3.7.	Select Remote	(LPR on IP) in the Connection	Type.
------	---------------	------------	---------------------	-------

C Local (phys	sical connection to se	erver)	
Remote (Li			
<u>P</u> ort Type —			
C LPT1	C COM1	C Other	
OLPT2	COM2		
C LPT3	С СОМЗ		
	C COM4		

3.8. Click "Next."

Assign "Host Address" as the IP of Printer Server and "Printer Name" as the Port Name of 3.9. Printer Server.

Configure Port Ha	ndler for Print	er Agent "Prin	ter_Agent".	×
 Host Addres 	S			
10 2	0 6	. 30		
C Host Name				
Printer Name				
LTP1				
Cancel	Help	< <u>B</u> ack	<u>N</u> ext≯	<u>F</u> inish
I				

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 type t		1	
HP LaserJet 4L			
Recommended driver:			
HP LaserJet 4L			
Printer Drivers:			
HP Color LaserJet 5/5M (H HP DeskJet 1200C	12)	<u> </u>	
HP DeskJet 1600C ColorSi	mart		
HP LaserJet 4 Plus/4M Plu	IS		
HP LaserJet 4/4M HP LaserJet 4/4M PostScr	int		
HP LaserJet 4L	ipi		
Continue Help			

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

nter Agent List		Identification
Name:	Status:	Access Control
⊃rinter_Agent	Idle	Printer Agent List
	-	1
₹		
<u>N</u> ew <u>D</u> elete	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
	<u>A</u> dd >>

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

Default Printer:		Cancel
No Default Printer		Cancer
Installed Printers:		<u>C</u> onfiguration.
		Bemove
		✓ <u>H</u> elp
S <u>e</u> t	As Default Printer	
A⊻ailable Printers:		
Distant Assess		Install
Printer_Agent		
Printer Agent		
Printer Ayent		Eilter Browse
Context: [Public Acce	ss]	

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

🥩 Novell Printer Manager	_ 🗆 ×
Printer View Help	
Printer_Agent	
Press F1 for Help	

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

~ End of Document ~