<u>Create and configure a NDPS printer by using a 5600 and Axis Gateway</u> <u>Configuration</u>.

Sep 1 Create a NDPS Printer by using NetWare Administrator and Axis Gateway.

- Start NetWare Administrator and select the context where you would like to create these objects.
- Mark the container and right click on it Press Insert or select Object and choose Create.
- From Class of new object choose NDSP Manager.

New Object	×
Parent:	ОК
	Cancel
Class of new object:	Context
🔁 Key Material 📃	
🙀 LDAP Group	<u>H</u> elp
🚯 Locality	
🐴 NDPS Broker	
🚼 NDPS Manager	
🕰 NDPS Printer	
🧼 NDSCat:Master Catalog	
🔷 NDSCat:Slave Catalog 📃 🚽	

- Press OK.
- Type NDPS Manager Name
- Browse and select Resident Server for the NDPS Manager.
- Browse and select Database Volume for the NDPS Manger
- Click Create.

R Create NDPS Manager Object	×
NDPS Manager <u>N</u> ame:	<u>C</u> reate
INDPSM_AXIS	Cancel
Resident Server:	Help
MIKI.docdiv.lund.axis	
Database Volume:	
MIKI_PRINT.docdiv.lund.axis	
After Creating the NDPS Manager Object	

The NDPS Manager is created on the NDS tree.



You can look at the NDPS Manager object's details.

- Mark the object (NDPSM_AXIS)
- Press Enter, double click on it or select Object /Details from the menu.

Here you can look at:

- Identification
- Access control (add or delete users or user groups)
- Printer Agent List (add new delete Printer Agents)

entification		Identification
Name:	NDPSM_AXIS.docdiv.lund.axis	
Version:	2.00	Access Control
Net Address:	08045034:000000000001:90B2 192.168.27.1	Printer Agent List
<u>D</u> escription:		
Location:		
Volume:	MIKI_PRINT	
Status		
NDPS Mana	ger Active	
Unload		

Now an NDPS printer can be created from NetWare Administrator. Please perform the following steps:

- Mark the container (context) where you would like to have the NDPS printer located.
- Mark the container and right click on it Press Insert or select Object and choose Create.
- From Class of new object choose NDPS Printer
- Click OK

📴 Create NDPS Printer	×
NDPS Printer <u>N</u> ame:	Create
	Canaal
Printer Agent Source	
Create a New Printer Agent	
C Existing NDPS Printer Object in NDS	
C Public Access Printer	
After Creating the NDPS Printer Object	1
Define Additional Properties	
Create Another NDPS Printer	

- Type NDPS Printer Name (5600_AG)
- Click Create.

R Create NDPS Printer	×
NDPS Printer <u>N</u> ame:	<u>C</u> reate
1000_Au	Cancel
Printer Agent Source	Help
Create a New Printer Agent	
C Existing NDPS Printer Object in NDS	
C Public Access Printer	
After Creating the NDPS Printer Object	1
Define Additional Properties	
Create Another NDPS Printer	

Create Printer Agent	×
Printer Agent (PA) Name: 5600_AG	OK Cancel
NDPS Manager Name: NDPSM_AXIS.docdiv.lund.axis	
<u>G</u> ateway Types:	
Axis Gateway Configuration Hewlett-Packard IP/IPX Printer Gateway Novell Printer Gateway Xerox Printer Gateway	

- Browse and select NDPS Manager Name (NDPS_AXIS.docdiv.lund.axis)
- Select Gateway Types Axis Gateway Configuration
- Click OK.

Select the network protocol to be used with the NDPS gateway (IPX or IP) and printer's type.

Axis Gateway Configuration - Select Printer Type and Protocol			
	Select the printer's type (Generic) PCL (Generic) PCL (PJL) (Generic) PS (Generic) PS (Generic) PS (PJL) (None) Acer LP-76 AEG Olympia Laserstar 6 AEG Olympia Laserstar 6 Select the network protocol to be used with the NDPS gateway TCP/IP C TCP/IP		
	< Back <u>N</u> ext > Cancel		

Here you can select Printer Type and Protocol.

Generic Gateway Configuration - Set Printer Type and Protocol		
	Select the printer's type: HP LaserJet 500+ HP LaserJet 5L HP LaserJet 5M (PCL) HP LaserJet 5MP (PCL) HP LaserJet 5MP PostScript HP LaserJet 5Si HP LaserJet SSi HP LaserJet IID HP LaserJet IID HP LaserJet IID PostScript Select the network protocol to be used with the NDPS gateway: TCP/IP TCP/IP	
	< <u>B</u> ack <u>N</u> ext > Cancel	

Generic Gateway Configuration - Set Printer Type and Protocol		
	Select the printer's type: HP LaserJet 500+ HP LaserJet 5L HP LaserJet 5MP (PCL) HP LaserJet 5MP PostScript HP LaserJet 5Si HP LaserJet 5Si HP LaserJet 5Si HP LaserJet IID PostScript HP LaserJet IID PostScript Select the network protocol to be used with the NDPS gateway: TCP/IP	
	< Back Next > Cancel	

🖳 AXISI	GCFG 🛛 🕅
٩	The searching will take approximately 10 seconds.

• Choose one of them and click next

Press OK.

Axis Gateway Configuration - Select TCP/IP printer			
	Select the printer		
	Printer Model	IP Address	DS N=
CONHUNICATIONS	HP Laser let 5M	192 168 27 200	AXIS-(
	LBP-1000	192.168.27.136	AXIS1
and the second			
	C. Manually apparity the		
	 Manually specify the 	: print server	
			7
S 1883 U 18 S 18 S	IP address	Print ser	ver port
	11 0001000	1 111 001	ior poin
	< Back	Next >	Cancel

Axis Gateway Configuration - Select IPX Printer			
Select the printer			
	Printer Server Name	IPX Address	
CONHUNICATIONS	AXIS-GATE_P3	0000b102:00408c(
	AXIS-GATE_P2	0000b102:00408c1	
	•		
	C Manually specify the print set	rver	
	Network Lan HW addre	ess Print server port	
	< <u>₿</u> ack <u>N</u> e;	ti> Cancel	

As you can see all available printer ports over selected protocol appears on above lists.

Axis Gateway Configuration - Select IPX Printer				
AXIS:	Select the printer			
CONHUNICATIONS	AXIS-GATE_P3 AXIS-GATE_P2	0000b102:00408c(0000b102:00408c(
	AXIS-GATE P1	0000b102:00408c		
	Manually specify the print : Network Lan HW add 	dress Print server port		

Please select one of them and press Finish.

Loading Printer Agent (PA) 🛛 🕅
Waiting for Printer Agent to load. This may take up to 60 seconds.
(Stop Waiting)

After approximately 60 seconds next window will appear:

Se	ect Printer Drivers			×
	Windows 3.1 Driver	Windows 95/98 Driver	Windows NT4 Driver	
Т	he printer reports its type	e to be:		
	HP LaserJet 5M (PCL)			
F	Recommended driver:			
	HP LaserJet 5/5M - Sta	andard		
F	Printer Drivers:			
Ī	- HP Color LaserJet 5/5M	(HP)	A	
	HP DeskJet 1600C Color	Smart		
	HP LaserJet 4000 Series	PCL 5e		
	HP LaserJet 4000 Series HP Laser Let 4000 Series	PLL 6 PS		
	HP LaserJet 5/5M - Enha	anced		
	HP LaserJet 5/5M - Stan	idard	▼	
_				
	Continue Help) 		

• Select printer drivers for Windows 3.1, Windows 95/98 and Windows NT and click Continue.

The new NDPS printers has been created (5600_AG)

19 Hardwises Administration	
Diant Yew Dpinns Icols Window Help	
바람 비용적의 비행관에 넣던 김 전문의 성은 외	
B GODI LUND AGS [DOCDIV_15]	
"B DOCDIV	
Action Add	
- Busice Group	
- 2 MINI COMI	
-A system [[PT]	
- A ANIS GATE LIPT2	
- Å ANDS-GATE	
-#AXIS-GATE_COMI_Q	
- #AXIS-GATE_LPT1_0	
- #Jobs-GATE_LPT2_0	
- A admin	
- El MIKI APPS	
- E MIKI_DOWNLOAD	
- El MINJ_POINT	
- C Mind_01+	
Charles Intervent Scare Control Contro	
- TENES LSP MICI	
- SAS Service - MIKI	
- @LDAP Server - MIKJ	
- @LDAP Group - MIKI	
- A MIKI_BROKER	
- SENDPSM_A038	
- Z DNS CHCP	
- D RectServerlate	
at the second seco	
201	
18 Start S. C. N. C. B. C. B. CONSTILL.	1415
Manual 1 (20 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	14.14

You can look at details for this object (on the same way as for every NDS object).

🔜 NDPS Printer:5600_AG	×
Access Control	Access Control
	Configuration
Managers Operators Users	Printer Control
Current Managers:	NDPS Remote Printer Management
admin.docdiv.lund.axis	
Add	
OK Cancel Page Options Help	

Here you can manage Access Control, Configuration, Printer Control and NDPS Remote Printer Management.

B NDPS Printer: 5600_AG	×
Configuration	
Printer Configurations	Access Control
[Default Printer Configuration]	Configuration
	Printer Control
	NDPS Remote Printer Management
<u>Create</u> <u>D</u> elete <u>M</u> odify <u>B</u> ename	
Associated Printer Objects	
OK Cancel Page Options Help	

🔜 NDPS Printer:5600_AG		×
Printer Control		
	HEWLETT	Access Control
Printer Control		Configuration
	<u>F</u> eatures	Printer Control
	<u>I</u> dentificatio	NDPS Remote Printer Management
	Pause I <u>n</u> pul	
	Pause <u>O</u> utpu	
	<u>J</u> obs v	
	<u>C</u> ontrol	
	Undata Conac	
READY	<u>S</u> tatus	
OK Cancel Page Option	ns Help	

🛃 NDPS Printer:5600_AG	×
NDPS Remote Printer Management	Access Control
Container where users reside:	Configuration
Remote Workstation Printer Options:	Printer Control
Install to workstations in this container Set as default on the workstations in this container	NDPS Remote Printer Management
Remove from workstations in this container	
Update Driver	
Note: To manage all printers on remote workstations select the "NDPS Remote Printer Management" option from the Tools Menu.	
OK Cancel Page Options Help	

Step 2

Install a NDPS Printer on work station

- Log in on workstation e.g. Windows 95
- Map a driver to SYS\PUBLIC on file server e.g.

\\Miki\SYS\PUBLIC

• Browse and select Nwpmw32.exe

🚔 Win32							-	
Eile Edit View Go Favo	nites <u>H</u> elp							8
Back Forward	E Up	ap Drive I	र्देता Disconnect	Š,	Copy	Paste	요?) Undo	
Address H:\PUBLIC\wIN32								•
Name	Size	Туре	Modified		Attributes			
Nres32.dl	50KB	Applica	19988-171	516	R			
Nucomn32.dl	489KB	Applica	19988-171	4:49	B			
Nuowi32.dll	240KB	Applica	19988-171	5:15	R			
Nwadmn32.exe	25KB	Applica	19988-31 1	6:04	B			
Nwbrws32.dll	456KB	Applica	19988-31 1	6:05	R			
Nwcomn32.dl	479KB	Applica	19988-31 1	6:03	R			
Nwcomn95.dl	12KB	Applica	19968-31 1	6:08	R			
Nwcomnnt.dll	12KB	Applica	19968-31 1	6:08	B			
Nwcore32.dl	220KB	Applica	19968-31 1	6:03	B			
Nwcore95.dl	12KB	Applica	19968-31 1	6:08	B			
Nwcorent.dl	12KB	Applica	19968-31 1	6.08	B			
Nwctrl32.dll	161KB	Applica	19988-31 1	8.04	B			
Nwimw32.exe	39KB	Applica	19988-051	9.02	B			
Nwmod032.dl	320KB	Applica	19988-31 1	8.05	B			
Nwmod132.dl	156KB	Applica	19988-31 1	6.05	B			
Nwmud32.dl	128KB	Applica	19988-31 1	6.06	B			
Nwpmw32.exe	38KB	Applica	19988-051	8.58	B			
Nwrcon32.dl	12KB	Applica	19988-31 1	6:04	B			
Nwvoti32.dl	304KB	Applica	19988-31 1	6:05	B			
Nwvct95.dl	9KB	Applica	19988-31 1	6:08	R			
Nwyctint.dll	9KB	Applica	19968-31 1	6:08	R			
Nwvis032.dl	272KB	Applica	19968-31 1	6:06	R			
Nwvis132.dl	424KB	Applica	19968-31 1	6:06	R			-
	A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.	DO OVER					_	2
1 object(s) selected		38.0KB			Sel Local int	ranet zone		



• Select Printer /New

Novell Printers	×
Default Printer:	Cancel
mm.docdrv.lund.axis on \\NDPSU2	Configuration
mm.docdiv.lund.axis on \\NDPS02	<u>R</u> emove
	<u>A</u> dd >>
T	<u>H</u> elp
S <u>e</u> t As Default Printer	

• Select Add

ovell Printers	
Default Printer:	Cancel
	<u>C</u> onfiguration
mm. docdiv.lund. axis on \\NDPS02	<u>B</u> emove
	<< <u>A</u> dd
*	<u>H</u> elp
Sigt As Default Printer	
- Available Printers:	1
- 5600 AG	Install
abb	<u>F</u> ilter
	<u>B</u> rowse
Contracts ECOD AC decide band and	
Context: .5600_Ad.docdiv.lund.axis	
Protocol: IPX, IPv4	

There is a list over Available Printers.

- Select the printer which you wish to install (e.g. 5600_AG)
- Click Install

Novell Printers	s - Install	×
Printer Name:	5600_AG	ОК
Installed <u>A</u> s:	5600_AG.docdiv.lund.axis	Cancel
Description:		Help
Context:	.5600_AG.docdiv.lund.axis	
<u> </u>	s:	
[Default Prin	ter Configuration]	
	<u>V</u> iew	

• Click OK

Novell Printers	X			
Default Printer:	<u>C</u> lose			
mm.docdiv.lund.axis on \\NDPS02	Configuration			
Installed Printers:	Beneve			
5600 AG.docdiv.lund.axis on \\NDPS03	<u>h</u> emove			
	<< <u>A</u> dd			
	<u>H</u> elp			
S <u>e</u> t As Default Printer				
Available Printers:				
5600_AG	[nstal]			
abb	<u>F</u> ilter			
	Browse			
Context: .5600_AG.docdiv.lund.axis				
Protocol: IPX, IPv4				
Printer Information				

• Click Close.

🗳 Novell Printer Manager	_ 🗆 🗵
<u>Printer</u> <u>View</u> <u>H</u> elp	
S	
5600 AG.docdiv.lund.axis	
mm.docdiv.lund.axis	
Press F1 for Help	

Now the printer is installed on the workstation a you can print ..

🞻 Novell	Job Manager - 5600_AG.docdiv.lund.axis		
Job ⊻iew <u>H</u> elp			
	Job Name	Status	
🖹 1	A:/DRAGONFL.PS	Job Being Processed	
•	1	Þ	
Press F1 for Help			

Note:

On Print Server:

• Firmware on PS must one with support for Axis Gateway 6.00.1 or above.

- HP JetAdmin Support have to YES
- Transport Protocol has to be DUAL_STACK (if you would like to use Gateway protocol IPX and IP.

On Workstation:

• Have a IPX and IP NetWare Client

NetWare file server has to be dual stack if do intend to use IPX and IP protocol on gateway (of course).