Creating and configuring an NDPS printer utilising the Axis Gateway Configuration.

Step I. Creating a NDPS Printer in the NetWare Administrator with the Axis Gateway.

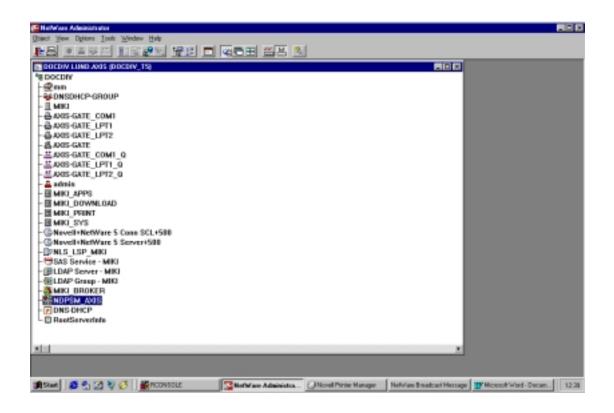
- 1. Start the NetWare Administrator, select the context where you would like to create your new objects.
- Mark the context, right-click on it and press Insert. Alternatively, select Object and choose 2. Create.

New Object	×
Parent: DDCDIV	OK
DOCDIV	Cancel
Class of new object:	Context
🙀 Key Material	
🙀 LDAP Group	<u>H</u> elp
🚯 Locality	
🔼 NDPS Broker	
Real NDPS Manager	
🗳 NDPS Printer	
🐼 NDSCat:Master Catalog	
NDSCat:Slave Catalog	-

- From Class of New Object chose NDSP Manager.
 Press OK.
- 5. Enter the NDPS Manager name in the NDPS Manager Name field.
- 6. Browse and select **Resident Server** for the NDPS Manager.
- 7. Browse and select Database Volume for the NDPS Manger

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

8. Click Create. The NDPS Manager is created on the NDS tree.



In order to view the NDPS Manager object's details proceed with the following two steps:

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

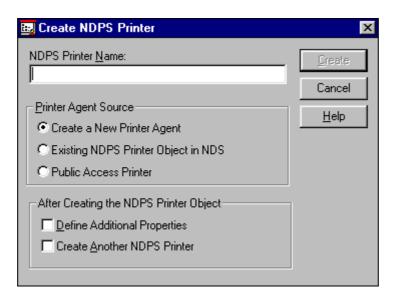
From the object's detailed view, you can see the following:

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

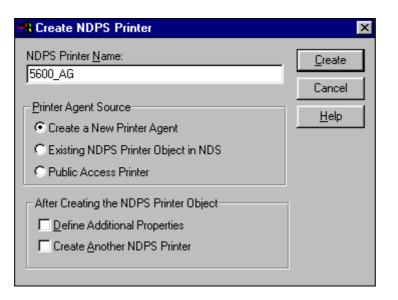
lentification			
Name:	NDPSM_AXIS.docdiv.lund.axis	Identificatio	n
Version:	2.00	Access Cont	rol
Net Address:	08045034:000000000001:90B2 192.168.27.1	Printer Agent	List
<u>D</u> escription:			
Location:			
Volume:	MIKI_PRINT		
Status			
NDPS Mana	ger Active		
Unload	1		
ОК	Cancel Page Options	Help	

You are now ready to create a NDPS printer in the NetWare Administrator. Proceed with the following steps:

- Mark the container (context) where you would like to have the NDPS printer located.
 Mark the container, right click on it and press **Insert.** Alternatively, select **Object** and chose Create.
- 11. From Class of New Object chose NDPS Printer
- 12. Click OK



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



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

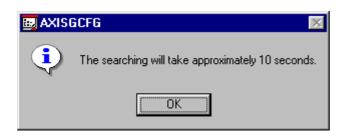
- 15. Browse and select NDPS Manager Name (NDPS_AXIS.docdiv.lund.axis)
- 16. Select Gateway Types Axis Gateway Configuration
- 17. Click OK.
- 18. Next, select the printer's type and network protocol to be used with the NDPS gateway (TCP/IP or IPX).

Axis Gateway Configuration - Select Printer Type and Protocol		
	Select the printer's type (Generic) PCL (PJL) (Generic) PS (Generic) PS (Generic) PS (PJL) (None) Acer LP-76 AEG Olympia Laserstar 6 AEG Olympia Laserstar 6 AGFA Compugraphic 9400PS Apple LaserWriter Select the network protocol to be used with the NDPS gateway TCP/IP	
	< Back. Next > Cancel	

Generic Gateway Configuration - Set Printer Type and Protocol		
CON HUNICATIONS	Select the printer's type: HP LaserJet 500+ HP LaserJet 55 HP LaserJet 5MP (PCL) HP LaserJet 5MP PostScript HP LaserJet 55 HP LaserJet 55 HP LaserJet 11D HP LaserJet 11	
	< <u>B</u> ack <u>N</u> ext > Cancel	

Generic Gateway Configural	tion - Set Printer Type and Protocol
Centence of the way control to	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 SSi HP LaserJet IID PostScript HP LaserJet IID PostScript W Select the network protocol to be used with the NDPS gateway: TCP/IP
	< Back. Next > Cancel

19. Continue with selecting the printer type and network protocol of your choice. Click **Next** when done



20. An automatic database search will be launched by your operating system to locate the printer and printer driver you have just chosen. Click **Next** to continue.

Axis Gateway Configuration - Select TCP/IP printer			
	Select the printer		
AVIJ	Printer Model IP Address PS Na		
CONNERTIONS	HP LaserJet 5M 192.168.27.200 AXIS-(
A second se	LBP-1000 192.168.27.136 AXIS1		
Manually specify the print server			
	IP address Print server port		
	< <u>B</u> ack <u>N</u> ext > Cancel		

Axis Gateway Configurat	ion - Select IPX Printer	
	 Select the printer Printer Server Name AXIS-GATE_P3 AXIS-GATE_P2 AXIS-GATE_P1 Manually specify the print se 	IPX Address 0000b102:00408c(0000b102:00408c(0000b102:00408c(
	Network Lan HW addre	ss Print server port

21. Next, a list showing all the available printer ports for the selected protocol will appear.

Axis Gateway Configuration - Select IPX Printer		
	Select the printer	
CONHUNICATIONS	Printer Server Name AXIS-GATE_P3 AXIS-GATE_P2	IPX Address 0000b102:00408c(0000b102:00408c(
	AXIS-GATE_P1	0000b102:00408c
	Manually specify the print s Manually specify the print s Metwork Lan HW add	erver ress Print server port
	< <u>B</u> ack Fi	nish Cancel

22. Select the printer of your choice and click **Finish** to continue.



23. After approximately 60 seconds the next window will appear:

Select Printer Drivers	X
Windows 3.1 Driver Windows 95/98 Driver Windows NT4 Driver	
The printer reports its type to be:	
HP LaserJet 5M (PCL)	
Recommended driver:	
HP LaserJet 5/5M - Standard	
Printer Drivers:	
HP Color LaserJet 5/5M (HP)	
HP DeskJet 1600C ColorSmart	
HP LaserJet 4000 Series PCL 5e HP LaserJet 4000 Series PCL 6	
HP LaserJet 4000 Series PS	
HP LaserJet 5/5M - Enhanced	
HP LaserJet 5/5M - Standard	
Continue Help	

24. Select the appropriate printer drivers for Windows 3.1, Windows 95/98 and Windows NT and click **Continue**. The creation of the NDPS printer (5600_AG) is now completed.

🚰 Herbel and Administration	
(Delect Yew Deleters Icols Window Help	
er same ingen yn diget we s	
DOCOV LINO ANDS (DOCOV_TS)	
#BOCDIA	
E SED AG	
-REDNSDHCP-GROUP	
- AND-AND-ANTE COMI	
- GANS GATE_UP11	
- GARS GATE LPT2	
- & AOIS-GATE	
- #ANIS-GATE_COMI_G	
- #AXIS-GATE_LP11_0	
AOGS-GATE_LP12_0 admin	
- III MIKI APPS	
- III MIKI DOWNLOAD	
- III MIKI PEINT	
- III MIKL SY'S	
- @Novell+NetWare 5 Conn SCL+588	
- @Nevel+NetWare 5 Server+500 - @PNLS_LSP_MIKI	
- 19 Mar La Carlonna - Milli	
(BLDAP Server - MK)	
- @LDAP Group - MIKI	
- MIKI_BROKER	
- SENDPSM_A48	
- DNS OHCP	
- D Herderweiter	
x	
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If you wish to view details on this object, proceed as you would with any other NDS object.

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

From the object's detailed view you can manage **Access Control**, Configuration, Printer Control and **NDPS Remote Printer Management**. (See below)

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	

Configuration

B NDPS Printer:5600_AG		×
Printer Control		
		Access Control
Printer Control		Configuration
	<u>F</u> eatures	Printer Control
	<u>l</u> dentification	NDPS Remote Printer Management
	Pause I <u>n</u> pul	
	Pause <u>O</u> utpu	
	<u>J</u> obs v	
	<u>C</u> ontrol	
	Update Consc	
READY	<u>S</u> tatus	
OK Cancel Page Optio	ns Help	

Printer Control

Barring 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	

Printer Control

Step II. Installing a NDPS printer on a work station

In order to install a NDPS printer on a work station, proceed with the following steps:
1. Log in on a workstation e.g. Windows 95
2. Map a driver to SYS\PUBLIC on file server e.g.\\<u>Miki\SYS\PUBLIC</u>
3. Browse and select Nwpmw32.exe

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Eile <u>E</u> dit <u>V</u> iew <u>G</u> o F <u>a</u> ve	onites <u>H</u> elp							Ø
l → → Beck Farward		ap Drive I) Disconnect	S.	Сору Сору	Paste	요) Undo	
Address 🗎 H:\PUBLIC\WIN32								۳
Name	Size	Туре	Modified		Attributes			
Nres32.dl	50KB	Applica	19988-17 1	516	R			188
Nucomn32.dl	489KB	Applica	19988-171-	4:49	B			
Nuowi32.dll	240KB	Applica	19988-17 1	x15	B			
Nwadmn32.exe	25KB	Applica	19988-31 16	6.04	R			
Nwbrws32.dll	456KB	Applica	19988-31 16	8.05	R			
Nwcomn32.dl	479KB	Applica	19988-31 10	8.03	B			
Nwcomn95.dl	12KB	Applica	19968-31 10	8.08	B			
Nwcomnnt.dll	12KB	Applica	19968-31 10	8.08	B			
Nwcore32.dl	220KB	Applica	19968-31 10	8.03	R			
Nwcore95.dl	12KB	Applica	19968-31 10	8.08	R			
Nwcorent.dl	12KB	Applica	19968-31 10	8.08	R			
Nwetrl32.dll	161KB	Applica	19968-31 10	8.04	R			
Nwimw32.exe	39KB	Applica	19988-05 19	9.02	B			
Nwmod032.dl	320KB	Applica	19988-31 16	8.05	B			
Nwmod132.dl	156KB	Applica	19988-31 16	8.05	B			
Nwmud32.dl	128KB	Applica	19988-31 16	8.06	R			
Nwpmw32.exe	38KB	Applica	19988-0518	3.58	R			
Nwecon32.dl	12KB	Applica	19988-31 16	8.04	R			
Nwvctl32.dl	304KB	Applica	19988-31 10	8.05	R			
Nwvctl95.dl	9KB	Applica	19988-31 10	8.08	R			
Nwryctint.dll	8KB	Applica	19968-31 10	8.08	B			
Nwvis032.dl	272KB	Applica	19968-31 10	8.06	B			
Nwvis132.dl	424KB	Applica	19968-31 10	8.06	R			-
15	00000		10000 01 01		-			-
1 object(s) selected		38.0KB			👸 Local int	ranet zone		

🗳 Novell Printer Manager	
<u>P</u> rinter <u>V</u> iew <u>H</u> elp	
< 🕹 🔡 🇮 💡	
mm.docdiv.lund.axis	
Press F1 for Help	

4. Select **Printer /New**.

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

5. Select Add.

Novell Printers	×
Default Printer: mm.docdiv.lund.axis on \\NDPS02	Cancel
Installed Printers:	Configuration
mm.docdiv.lund.axis on \\NDPS02	Eemove << <u>A</u> dd <u>H</u> elp
Sgt As Default Printer	
5600 AG abb mm	<u>Install</u> <u>Filter</u> <u>B</u> rowse
Context: .5600_AG.docdiv.lund.axis Protocol: IPX, IPv4 Printer Information	

- A list of Available Printers will appear.
 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: Location:		<u>H</u> elp
Context:	.5600_AG.docdiv.lund.axis	
- <u>C</u> onfiguration	s:	
[Default Prin	ter Configuration)	
	⊻iew	

9. Click OK.

Novell Printers	×
Default Printer: mm.docdiv.lund.axis on \\NDPS02	<u>C</u> lose
Installed Printers:	Configuration
5600 AG. docdiv. lund. axis on \\NDPS03	Remove
mm.docdiv.lund.axis on \\NDPS02	
X	<u>H</u> elp
S <u>e</u> t As Default Printer	
Available Printers:	
5600_AG abb mm	Install <u>F</u> ilter <u>B</u> rowse
Context: .5600_AG.docdiv.lund.axis	
Protocol: IPX, IPv4 <u>Printer Information</u>	

10. Click Close.

<i>Ş</i> Novell Printer Manager	_ 🗆 🗵
<u>P</u> rinter <u>V</u> iew <u>H</u> elp	
<table-cell-columns> 🕹 📰 🇮 💡</table-cell-columns>	
5600 AG.docdiv.lund.axis	
mm.docdiv.lund.axis	
Press F1 for Help	

11. The printer is now installed on the workstation and you are ready to start using the printers.

-	Novell Job Manager - 5600_AG.docdiv.lund.axis			
<u>n</u> x				
	Job Name	Status		
🖹 1	A:/DRAGONFL.PS	Job Being Processed		
✓ Press F1 for Help				

Note:

Make sure the following configuration parameters are set on the print server:

- The firmware on the print server must support Axis Gateway 6.00.1 or above.
- The HP JetAdmin Support parameter must be set to YES
- The transport protocol has to be DUAL_STACK (if you want to use Gateway protocol IPX and IP).

Make sure the following configuration parameters are set on the workstation:

- The workstation must have IPX installed as well as an IP NetWare Client
- The NetWare file server has to be dual stack if you intend to use IPX and IP protocols on the gateway.