Using NDPS (NetWare 5)

This document covers using the IOPRINT+ Print Server with NDPS (Novell Distributed Printing Services) under Novell NetWare V5.

Overview

- The IOPRINT+ Print Server must be configured as a valid device on your TCP/IP network.
- To use DNPS (Novell Distributed Printing Services), the Novell server must be running Novell NetWare 5, and the PCs (clients) must be running IntranetWare Client V2.2 or later.

The following procedure is designed to enable Public Access Printing under DNPS. Public Access Printing allows anybody on the network to access the printer.

The procedure has 3 parts:
1. Create a NDPS Manager Object on the server.
2. Create a NDPS Printer Agent on the server.
3. Configure each workstations requiring access to the NDPS printers.

Creating an NDPS Manager Object

1. Login to NetWare 5.0 Server as Admin and start the NetWare Administrator program Nwadm32.exe
2. Select the container on NetWare Administrator where you want the NDPS Manager object to reside. (e.g. TeSupp)
3. Select Create - Object from the menu bar to view the New Object dialog.
4. Select NDPS Manager as the object to create. The Create NDPS Manager Object window shown below will appear.

   ![Figure 1: Create DNPS Manager Object](image)

5. Type a name in the NDPS Manager Name. (e.g. SerMGR in Figure 1 above)
6. Browse the Resident Server and select where you want the DNPS Manager object to be assigned. (e.g. TECH_50.TeSupp in figure 1 above)

7. Browse the Database Volume and select where you want the NDPS Manager database to be assigned. (e.g. TECH_50_SYS.TeSupp in figure 1 above)

8. Click **Create**. The new NDPS Manager will appear in the main browser window.
   - To start the NDPS Manager in future, enter the following command at the console:
     
     LOAD NDPSM
     then select the NDPS Manager object.
   - To start the NDPS Manager whenever you bring up the server, add a command like the following to your server’s AUTOEXEC.NCF file:
     
     LOAD NDPSM  SerMGR.TeSupp
     The last item is the name of the NDPS Manager object you wish to load.

9. After creating an NDPS Manager, you can create NDPS printers by using NetWare Administrator, as explained below

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**Creating an NDPS Printer Agent**

To create Public Access Printers using the NDPS Manager Object in NetWare Administrator, follow this procedure:

1. Start the NDPS Manager object you will be using to control the Printer Agent.
2. At the **Identification** page, click the **Printer Agent List**
3. Click **New** to see the **Create Printer Agent** window, as shown below.

   ![Figure 2: Create Printer Agent](image_url)

4. Enter the desired name for the **Printer Agent (PA) Name**
5. Normally, the **DNPS Manager** will be the NDPS Manager object you are using.
6. Select **Novell Printer Gateway** in the **Gateway Type** (see figure2 above)
7. Click **OK** and then select the available printer.
8. Select **Remote (LPR on IP)** in the **Connection Type**.
9. Click **Next** to see the following **Configure Port Handler** screen.
10. In the *Host address IP* field, enter the IP Address previously assigned to the IOPRINT+ Print Server device.

11. In the *Printer Name* field, enter the Logical Port name on the IOPRINT+ Print Server. (e.g.: L1)

   **Note:** For IOPRINT+ Print Servers with one parallel port, the logical ports are named L1, L2 and L3. For devices with three parallel ports, the logical ports are named L1 to L8.


13. The new Printer Agent will now appear in the Printer Agent List window.

Repeat this procedure for any other ports on the IOPRINT+ Print Server, or for any other logical printers you wish to use.
Workstation Configuration

Before attempting to install and configure Public Access Printers on your workstation, ensure that:

- Novell IntranetWare Client v2.2 (or later) is installed on your PC
- You have access to the Novell Printer Manager utility (e.g. Nwpmw32.exe)

Procedure

1. Start the Novell Printer Manager utility.
2. Select **Printer - New** from the menu, then click **Add**.
3. Select the required printer and click **Install**, then **Close**.

4. The printer (e.g.: SerPrinter in the example above) appears in the main Printer Manager window in the **Name** list, and is available for print jobs. Printer drivers are automatically downloaded from the server as required.

5. The printer will appear in your Windows printer list, and may be used from by any Windows application.

*Figure 4: NDPS Manager - Client*