

Xerox NDPS Solution Installation

Note: Installation of the Xerox NDPS Solution requires that Novell NetWare 6.5, 6.0, or 5.1 with Support Pack 3 or newer be installed.

Note: Installation of the Xerox NDPS Solution can be done from a CD-ROM mounted as a NetWare volume, as a server-to-server install, or from a workstation using Rconsole/RCONJ. Refer to Novell documentation for detailed instructions. The mode of the install determines the path to the source you provide during the install process.

To complete the installation of the Xerox NDPS Solution refer to the following sections: “Downloading the Xerox NDPS Solution”, “Installing the Xerox NDPS Solution in a Non-clustered Environment”, and “Installing the Xerox NDPS Solution in a Clustered Environment”.

Downloading the Xerox NDPS Solution

1. Go to www.xerox.com and search for NDPS.
2. From the results list click the “Novell Distributed Print Services (NDPS)” link.
3. At the Novell Distributed Print Services (NDPS) web page click on the “Free Download” link and follow the instructions.
4. To customize the Xerox NDPS Solution select the set of print drivers and operating systems specific to your network environment and the Xerox printers on your network.
5. Click the “Create” button and your customized solution will be configured.
6. At the Xerox NDPS Solution web page click “Download” to retrieve the solution.
7. Save the file called NDPS.exe, a self-extracting executable, to a convenient location where you have sufficient free space or preferably to a regular, non-clustered NetWare volume.

Note: The amount of space required after executing the self-extracting executable file, NDPS.exe, will depend on the set of drivers and operating systems selected during the customization process. Installation time will increase with the size of the drivers.

Installing the Xerox NDPS Solution in a NetWare Non-clustered Environment

1. If necessary, copy the NDPS.exe file to a non-clustered NetWare volume.
2. **[Double Click]** the file NDPS.exe. By default the files will unzip to <volume name>:\XRX-NDPS.
3. Check the properties of the XRX-NDPS directory to verify that this directory and all sub-directories are NOT marked as “Read Only”.
4. Go to the server console screen.
5. At the server console, type: **nwconfig** and press **[ENTER]**.
6. Select **Product Options** and press **[ENTER]**.
7. Select **Install a product not listed** and press **[ENTER]**.
You will see a screen for selecting a source path.
8. Press **[ESC]** then **[F3]** keys to type in source path, then press **[ENTER]**.
9. The NWCONFIG installer will acknowledge the presence of the upgrade file. Press **[ENTER]** to continue or **[ESC]** to abort.

This will initiate a file copy. The file copying will take several minutes.

Note: The NDPS Broker must be running to proceed with the installation. If it is not running you will get errors and must re-start the installation process.

10. When the file copy is complete, the NWCONFIG installer will turn control over to the Xerox Driver Installer. The message on the screen is “The XPRNDRV.NLM will install the Xerox Print Drivers into RMS”. Press **[ENTER]** to continue.”
11. At the prompt enter a fully qualified name for an “Admin” user. Then press **[ENTER]**.
12. At the prompt for a password type the password for the user entered in the previous step. Then press **[ENTER]**.
13. At the prompt for the tree name type the tree name. Then press **[ENTER]**.
14. When prompted, type the name of the Broker. Then press **[ENTER]**.
15. The XPRNDRV.NLM will now update the drivers contained in the Resource Management Service (RMS). This process will take several minutes, possibly several hours depending on the speed of the server and the driver requirements on the Xerox NDPS Solution.

Note: If the server reports errors while adding the drivers to the broker, continue installation procedure until done. Then, if

necessary, add select drivers to the Broker manually through NWAdmin.

16. When complete, a message indicating the success of the install process is displayed. Press [ENTER] to exit XPRNDRV.NLM.
17. At the server prompt type [CTRL][ESC] to get a list of available screens on the server. Type the number for the NWCONFIG screen and press [ENTER].
18. The install script is prompted to restart RMS. Press [ENTER]. This must be done so that the changes in RMS can be finalized.
19. As a check of the install, move to the “View/Configure/Remove Installed Products” option in NWCONFIG and press [ENTER]. Look for an entry Gateway X.X.X.X. This is the utility for the Xerox NDPS Solution.

Installing the Xerox NDPS Solution in a NetWare Clustered Environment

Note: Installation of the Xerox NDPS Solution in a NetWare clustered environment requires that the NDPS Solution be installed on each server in the cluster. To speed the install process you should install the complete NDPS Solution as customized for your environment on the first server following the instructions below. Installation of subsequent servers in the cluster should be made with the minimal Xerox NDPS Solution, that is the solution without any drivers. Both the customized and minimal solutions may be downloaded through the NDPS Web Page at Xerox.com. See the section “Downloading the Xerox NDPS Solution” above.

1. If necessary, copy the NDPS.exe file to a non-clustered NetWare volume.
2. **Double Click** the file NDPS.exe. By default the files will unzip to <volume name>:\XRX-NDPS.
3. Check the properties of the XRX-NDPS directory to verify that this directory and all sub-directories are NOT marked as “Read Only”.
4. Select the first server for the Xerox NDPS Solution installation. Verify that the cluster volume is attached to this server.
5. Verify that the Cluster Broker is loaded and that there are no errors.
6. Go to the server console screen of the first server.
7. At the server console, type: **nwconfig** and press [ENTER].
8. Select **Product Options** and press [ENTER].

9. Select **Install a product not listed** and press **[ENTER]**.
You will see a screen for selecting a source path.
10. Press **[ESC]** then **[F3]** keys to type in source path. Specify the path to where the NDPS.exe file was extracted. The default location is: <volume name>:\XRX-NDPS. Press **[ENTER]**.
11. The NWCONFIG installer will acknowledge the presence of the upgrade file. Press **[ENTER]** to continue or **[ESC]** to abort.
12. After pressing **[ENTER]**, a second screen will come up. This is an informational screen about Clustered Environments. When installing to a Clustered Environment, there are files that need to be copied to the Cluster Volume. Pressing **[F3]** will allow you to enter your Cluster Volume name.
13. When the file copy is complete, the NWCONFIG installer will turn control over to the Xerox Driver Installer. The message on the screen is “The XPRNDRV.NLM will install the Xerox Print Drivers into RMS”. Press **[ENTER]** to continue.”
14. Enter the fully qualified Admin user name, followed by password, and the other information asked for. Please note the object names are fully qualified.
15. When prompted for the Broker name, enter the Cluster Broker information.

Note: The amount of time it takes for the driver installation varies depending on the number of drivers being added to the Broker.

16. When the Xerox Driver installer is finished, a message is returned to the server console indicating success. If there are errors, review the error file located at “sys:\ndps\xerox\xprndv.err”.

Note: If the server reports errors while adding the drivers to the broker, continue installation procedure until done. Then, if necessary, add select drivers to the Broker manually through NWAdmin.

17. Press any key to close the screen of the Xerox Driver Installer.
18. At the server prompt type **[CTRL][ESC]** to get a list of available screens on the server. Type the number for the NWCONFIG screen and press **[ENTER]**.
19. At the NetWare Configuration window, you are informed, “The Resource Management Service of the NDPS Broker

will be restarted to complete the installation.” Press **[ENTER]** to continue.

20. Note: The File Copy Status will continue for a short time then return the “Other Installation Actions” screen.
21. As a check of the install, move to the “View/Configure/Remove Installed Products” option in NWCONFIG and press **[ENTER]**. Look for an entry Gateway X.X.X.X. This is the utility for the Xerox NDPS Solution.

Note: For each subsequent server in the cluster use NWCONFIG to install the solution on those servers. As noted previously it is optimal to use the minimal Xerox NDPS Solution for subsequent servers. When installing on each server, the Cluster Volume must be attached to that server. When migrating the Cluster Volume to the next server, verify that the Cluster Broker has loaded correctly on the desired server containing the Cluster Volume.

Note: During the installation process errors may be reported regarding the deletion of certain files. Disregard these errors and pay careful attention to errors regarding the successful copying of files onto the server.

When all servers in the Cluster have been upgraded in this fashion, the Solution Upgrade is complete.