

Installation and Upgrade

This Quick Start provides basic information for installing or upgrading to a NetWare® 6.5 server. For complete instructions, see the *NetWare 6.5 Overview and Installation Guide*.

MINIMUM SYSTEM REQUIREMENTS

- A server-class PC with a Pentium® II or AMD® K7 processor
- 512 MB of RAM
- A Super VGA display adapter
- A DOS partition of at least 200 MB and 200 MB available space
- 2 GB of available, unpartitioned disk space outside the DOS partition for volume sys:
- One network board
- A CD drive

RECOMMENDED SYSTEM REQUIREMENTS

- A server-class PC with two-way Pentium III 700 MHz or higher processors
- 512 MB of RAM
- A Super VGA or higher resolution display adapter
- A DOS partition with 1 GB of available space
- 4 GB of available disk space outside the DOS partition
- One or more network boards
- A bootable CD drive that supports the El Torito specification
- A USB, PS/2, or serial mouse

UPGRADE SYSTEM REQUIREMENTS

- The server to be upgraded must be running one of the following:

- ♦ NetWare 6 with Support Pack 3
- ♦ NetWare 5.1 with Support Pack 6
- ❑ A server-class PC with a Pentium II or AMD K7 processor
- ❑ 512 MB of RAM
- ❑ A Super VGA display adapter
- ❑ A DOS partition of at least 200 MB and 200 MB available space
- ❑ 2 GB of available disk space on volume SYS:
- ❑ One network board
- ❑ A CD drive
- ❑ A USB, PS/2, or serial mouse (recommended but not required)

SOFTWARE AND OTHER REQUIREMENTS

- ❑ *NetWare 6.5 CD 1 (Operating System)*
- ❑ *NetWare 6.5 CD 2 (Products)*
- ❑ *Novell® Clients Software CD (March 2003)*

If you do not have a copy of the *Novell Clients Software CD (March 2003)*, you can download it from the [NetWare 6.5 Beta Web site](http://beta.novell.com/public.jsp). (<http://beta.novell.com/public.jsp>)

- ❑ *Novell Nterprise™ Branch Office™ CD*
- ❑ *Novell DirXML® Starter Pack CD*
- ❑ Supervisor right at the [Root] of the eDirectory™ tree
- ❑ Supervisor right to the container where the server will be installed
- ❑ Read right to the Security container object for the eDirectory tree
- ❑ DOS and CD drivers (required if the computer does not boot from CD)

You can make a bootable floppy diskette using the `mkfloppy.bat` program located in the install directory of *NetWare 6.5 CD 1 (Operating System)*.

- ❑ Client connection utilities (optional, for installing from a network):
 - ♦ Novell Client™ for DOS and Windows* 3.1x (optional, for installing from a NetWare server running IPX™).
 - ♦ IP Server Connection Utility (optional, for installing from a NetWare server running IP only).

For instructions, see products\serverinst\ipconn.txt on the *Novell Clients Software CD (March 2003)*.

- ❑ IP address and domain names (required for connecting to the Internet):
 - ◆ An IP address
 - ◆ An IP address of a domain name server
 - ◆ The name of your domain
- ❑ Network board and storage device properties such as the interrupt and port address (required if not included in NetWare)

PREPARE THE NETWORK

- 1 Run NetWare Deployment Manager (nwdeploy.exe), located on *NetWare 6.5 CD 1 (Operating System)*.
- 2 Complete all relevant tasks in the Network Preparation section.

START THE INSTALLATION

- 1 Access *NetWare 6.5 CD 1 (Operating System)*.
 - ◆ Boot from CD
 - ◆ Boot from DOS partition, access the CD, and enter **INSTALL**

Make sure that the config.sys file contains the FILES=50 and BUFFERS=30 commands.

SELECT SETTINGS AND CONFIGURATION

- 1 Select language and regional settings.
- 2 Accept the license agreements.
- 3 Prepare the boot partition.
- 4 Select an Express or Custom installation.
 - ◆ Express Installation sets up a server using standard settings.
 - ◆ Custom Installation lets you specify settings for your environment.

SELECT THE TYPE OF INSTALLATION

- 1 Select one special purpose server to install.
 - ◆ Customized NetWare Server allows the selection of any optional products.
 - ◆ Basic NetWare File Server installs only basic NetWare with no additional products.
 - ◆ Pre-Migration Server creates a server that will be migrated to at a later time.

- ♦ DNS/DHCP Server sets up the eDirectory tree for DNS/DHCP services.
- ♦ exteNd™ J2EE Web Application Server installs an optimized configuration of the Novell exteNd Application server.
- ♦ LDAP Server installs Lightweight Directory Access Protocol (LDAP) Services for Novell eDirectory.
- ♦ NetWare AMP (Apache, MySQL, PHP, and Perl) Server allows the hosting of Web database applications on a NetWare server.
- ♦ NetWare Backup Server installs the infrastructure for backup and restore services on the NetWare platform.
- ♦ NetWare Web Search - Search Engine and indexing Server installs the products necessary for a Web Search server.
- ♦ Novell iPrint Server installs Novell's recommended print solution.
- ♦ NetWare Branch Office Central Office Server installs the basic NetWare server plus files necessary to run Rsync at the central office.
- ♦ Public Apache/Tomcat Server
- ♦ Network Attached Storage (NAS) and File Protocol Server installs multiple file protocol storage for your network.
- ♦ iManager Administration Server
- ♦ Novell iFolder® Server installs a dedicated iFolder server.
- ♦ Virtual Office Server provides a solution that addresses the need for users to be self sufficient with their IT needs.

2 When prompted, insert *NetWare 6.5 CD 2 (Products)*.

SET UP THE SERVER

- 1 Name the server.
- 2 Enable cryptography.
- 3 Install networking protocols.
- 4 Set up Domain Name Service (DNS).
- 5 Set the server time zone.
- 6 Set up Novell eDirectory.
- 7 License the NetWare server.
- 8 Select the NMAS Login method.

REBOOT THE SERVER

- 1 Complete the installation/upgrade by rebooting the server when prompted.
- 2 Start the server.
 - ♦ If you chose to load the server on reboot, it will load automatically.
 - ♦ To load the server manually, change to the startup directory containing the NetWare server files (c:\nwserver) and enter `SERVER`.

UPDATE NSS VOLUMES (UPGRADE ONLY)

If you upgraded from a NetWare 5.1 or NetWare 6.0 server with Novell Storage Services™ (NSS) volumes, you must complete the following procedure to update NSS volumes.

- 1 When prompted at the end of the upgrade, reboot the computer.
- 2 Make sure that all processes relating to the NetWare 6.5 upgrade have completed.
- 3 At the server console, enter

```
NSS /ZLSSVOLUMEUPGRADE=ALL
```

The NSS volumes can now be mounted on the NetWare 6.5 server.

WHAT'S NEXT

Although you have installed or upgraded to NetWare 6.5, you might need to configure products to work in the new environment. Additionally, some products such as Novell Cluster Services™ can be set up only after completing the server installation. You can install products using NetWare Deployment Manager or from the GUI server console screen. See the [NetWare 6.5 online documentation \(http://www.novell.com/documentation/lg/nw65\)](http://www.novell.com/documentation/lg/nw65) for complete information on each product and service included with NetWare 6.5.

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