Before Installing ZENworks for Servers

This card provides a high-level overview of the information you need to install Novell®
ZENworks® for Servers (ZfS) 3. For detailed instructions, the following product documentation is
available as installation menu options:

- **Readme:** A text file with last-minute information not yet in the documentation guides or
context-sensitive installation help.

- **Installation guide:** Provides detailed procedures for installing, upgrading, and uninstalling
the various ZfS components.

- **Administration guide:** Provides information to help you understand, configure, and
administer ZfS.

- **JavaHelp:** Context-sensitive help available during installation procedures.

INSTALLING OR UPGRADING?

If you have ZfS 2 Policy and Distribution Services installed on your network, you must use the
Upgrade option to install ZfS 3 Policy and Distribution Services.

Server Inventory and Management and Monitoring Services are automatically upgraded when you
install those components. However, the ZfS 2 Server Inventory database will not be migrated to
ZfS 3. For Management and Monitoring Services, you will have the option to back up database
files. You can perform alarms migration after completing the installation.

You can upgrade Policy and Distribution Services incrementally, so you can run ZfS 2 and ZfS 3
concurrently on your network. For more information, see "Upgrading to ZENworks for Servers 3"
in the *Installation* guide.

SYSTEM REQUIREMENTS

For Linux* or Solaris* server requirements, see "Installing Policy and Distribution Services on
UNIX Servers" in the *Installation* guide.

WARNING: If you select the Upgrade option for Policy and Distribution Services and intend to
upgrade incrementally, be aware that some system requirements for ZfS 3 should not be applied
to servers where you will continue to use ZfS 2. Therefore, meet the following server
requirements only for the servers you will be upgrading to ZfS 3.

Novell

Installation Workstation

The workstation used to install ZfS must meet the following minimum requirements:

- ❑ Windows* NT* or 2000 operating system with Novell Client^{TM} 4.81
- ❑ Pentium* II with 128 MB RAM and display screen area set to 1024 × 768 or higher

ConsoleOne Management Workstations

Any workstation used to run ConsoleOne® must meet the following minimum requirements:

- ❑ Pentium II with 128 MB RAM and virtual memory enabled
- ❑ Windows 95/98, Windows NT, Windows 2000, or Windows XP operating system
- ❑ Novell Client 3.31 for Windows 95/98, or Novell Client 4.81 for Windows NT/2000/XP
- ❑ Service Pack 2 for Windows 2000, or Service Pack 6a for Windows NT 4.0
- ❑ ConsoleOne 1.3.3 (located on the *ZENworks for Servers Companion* CD)
- ❑ The IP protocol stack must be loaded

Installation User

The user performing the installation of ZfS must have the following rights:

- ❑ Rights to extend the Novell eDirectory^{TM} schema on the target trees
- ❑ Create and Modify rights to the root of the tree and to containers where ZfS objects will be created
- ❑ Administrator rights to the Windows workstations where ZfS snap-ins to ConsoleOne will be installed
- ❑ File rights to all NetWare® servers and Administrator rights to all Windows NT/2000 servers where ZfS software will be installed

Target Servers

To install all ZfS components, service or support packs, and other supporting software, you may need up to 700 MB of free disk space per NetWare server or 400 MB per Windows server. For Alarm or Discovery data in Management and Monitoring Services, the management servers each require 2 GB free disk space.

If the database option is selected, Sybase* is automatically installed (ASA 7.0.2.1583 on NetWare 5.1/6 and ASA 7.0.2.1540 on Windows NT/2000). However, for Server Inventory, you can use Oracle* 8i on NetWare 5.1 and Windows NT/2000 servers.

IMPORTANT: All target servers should have fully qualified DNS names. For more information, see "Ensuring Successful DNS Name Resolution" in the *Installing Supporting Software to Meet ZfS System Requirements* section in the *Installation* guide.

NetWare servers where ZfS software is being installed must meet the following minimum requirements:

M	A	P	S	IA	R	Requirement	NetWare 5.1	NetWare 6
Y	Y	Y	Y	Y	Y	Server CPU Speed	Pentium II (PIII for "M")	Pentium III
Y	Y	Y	Y	Y	Y	Server RAM	256 MB ("A" & "S") or 384 MB ("M," "P" & "R"); 512 MB is recommended	512 MB
Y	–	Y	Y	–	–	Database Cache	32 MB; 256 MB for Inventory server having role of the Root Server	32 MB; 256 MB for Inventory server having role of the Root Server
Y	–	Y	Y	–	–	Location for Database Files	A volume other than SYS:	A volume other than SYS:
Y	Y	Y	Y	Y	Y	Support Pack Ver.	3	1 ("R" only)
Y	–	Y	Y	Y	Y	Java* Virtual Machine (JVM) Version	1.3.1 dated 02/07/2002 (located on the ZfS *Companion* CD)	1.3.1 dated 02/07/2002 (located on the ZfS *Companion* CD)
Y	–	Y	Y	–	–	Novell eDirectory	8.0	8.0
–	–	–	–	Y	–	Subscriber	Object and software only	Object and software only

M = Management and Monitoring Services management servers; A = Management and Monitoring Services agent servers; P = Policy and Distribution Services; S = Server Inventory; IA = Inventory Agent; R = Remote Management Agent.

The Remote Management Agent (column "R") can also be installed on NetWare 4.2 and 5.0. For NetWare 4.2 requirements, see the NetWare 4.2 documentation. The requirements for NetWare 5.0 are the same as for NetWare 5.1.

Component	NetWare Requirement
ZENworks for Servers	Long name space must be enabled on all servers.
Management and Monitoring Services	Management servers must have static IP addresses.
Server Management Agent and Traffic Analysis Agent	NetWare 4.2 is available with similar server requirements as listed above for NetWare 5.1.
Server Management Agent	Valid IP or IPX[TM] addresses.
Traffic Analysis Agent	Valid IP or IPX addresses for NetWare 5.1/6 servers.
Server Inventory	If you are using SSL, Novell Certificate Server[TM] and LDAP installed on the inventory servers.
Server Inventory	Do not locate the database on NFS-mounted volumes.

Windows servers where ZfS software is being installed must meet the following minimum requirements (note that the M column is excluded):

A	P	S	IA	R	Requirement	Windows NT	Windows 2000
Y	–	–	Y	–	Server CPU Speed	250 Mhz Pentium	Pentium II (250 Mhz Pentium for Traffic Analysis)
–	Y	Y	–	Y	Server CPU Speed	Pentium II	Pentium III
Y	Y	Y	Y	Y	Server RAM	256 MB	256 MB
Y	Y	Y	Y	Y	Service Pack Version	6a	2
–	–	Y	–	Y	Novell eDirectory	8.0	8.0
Y	–	–	–	–	Internet Explorer	5.0	5.0
–	–	Y	Y	Y	Subscriber	Object and software only	Object and software only

For the Remote Management Agent (column "R"), you only need to install Novell eDirectory on the managed server if you want to configure the Server Remote Management policy. However, configuring this policy is not mandatory for initiating Remote Management sessions.

INSTALLATION PREREQUISITES

Meet the system requirements as outlined above and perform the following tasks before running the ZfS installation program:

- Identify all of the site servers for Management and Monitoring Services
- Identify your Distributor server (only one is needed for a first-time installation)
- Identify all of your Subscriber servers for Policy and Distribution Services
- Identify the servers that you want to inventory
- Identify the servers where the inventory is processed
- Identify the servers where the Inventory database has to be mounted for storing the processed inventory information
- Unload Java on all NetWare target servers (it cannot be running during installation)

RUNNING THE INSTALLATION PROGRAM

To install or upgrade ZfS, insert the *ZENworks for Servers Product* CD into your installation workstation, use the Schema Extensions option for each tree where you want to manage ZfS objects, then select the appropriate installation or upgrade option and follow the prompts.