Novell

ZENworks® for Servers

3.0.2

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QUICK START

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Before Installing ZENworks for Servers

This document provides a high-level overview of the information you need to install Novell ZENworks for Servers (ZfS) 3.0.2. It does not provide the detailed installation steps and issues that are contained in the Installation guide.

The following product documentation is available as menu options in the installation program:

- **Readme:** A must-read file containing product issues and last-minute information not yet in the documentation guides or in the context-sensitive installation help.

- **Installation guide:** A PDF file containing detailed procedures for installing, upgrading, and uninstalling the various ZfS components. If you are not experienced with installing ZfS, we recommend that you review this guide before installing.

- **Online documentation:** A browser link to the ZfS 3.0.2 documentation Web site containing this Quick Start, the product Readme, and the latest versions of the Installation, Administration, and Troubleshooting guides.

Context-sensitive help is also available in the installation program.

NEW INSTALLATION OR UPGRADE?

The installation program on the *ZENworks for Servers Program* CD or *ZENworks 6 Server Management Program* CD provides both installation and upgrade options for ZfS. Use the following tables to determine whether to install or upgrade. The ZfS 3 Support Pack 2 (SP2) download can also be used for upgrading. ZfS 3.0.2 and ZfS 3 SP2 provide the same upgrades.

MANAGEMENT and MONITORING SERVICES

Product Version	Install from CD	Upgrade from CD	Upgrade from SP2
No version installed	Yes	No	No
ZfS 2	Yes [1]	No	No
ZfS 3	No	Yes [2]	Yes
ZfS 3 SP1	No	Yes [2]	Yes

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POLICY and DISTRIBUTION SERVICES

Product Version	Install from CD	Upgrade from CD	Upgrade from SP2
No version installed	Yes	No	No
ZfS 2	No	Yes [3]	No
ZfS 3	No	Yes	Yes
ZfS 3 SP1	No	Yes	Yes

SERVER INVENTORY

Product Version	Install from CD	Upgrade from CD	Upgrade from SP2
No version installed	Yes	No	No
ZfS 2	Yes [4]	Yes	No
ZfS 3	No	Yes	Yes
ZfS 3 SP1	No	Yes	Yes

REMOTE MANAGEMENT

Product Version	Install from CD	Upgrade from CD	Upgrade from SP2
No version installed	Yes	No	No
ZfS 2	Yes [5]	Yes	No
ZfS 3	No	Yes	Yes
ZfS 3 SP1	No	Yes	Yes

[1] ZfS 2 Management and Monitoring Services cannot be upgraded with the Upgrade option. You must install ZfS 3.0.2 over ZfS 2. During the installation, the ZfS 2 files are overwritten by the 3.0.2 files.
[2] When you upgrade Management and Monitoring Services from ZfS 3 or ZfS 3 SP1, you will have the option to back up your database files. You can perform an alarms migration after completing the installation.
[3] If you want to concurrently run ZfS 2 and ZfS 3.0.2 on your network during an incremental upgrade, see Upgrading to ZENworks for Servers 3.0.2 in the *Installation* guide.
[4] The installation option overwrites the ZfS 2 Server Inventory files. However, the ZfS 2 Server Inventory database will not be migrated to ZfS 3.0.2.
[5] The installation option automatically uninstalls the ZfS 2 files and installs the ZfS 3.0.2 files.

SYSTEM REQUIREMENTS

If you select the Upgrade option for Policy and Distribution Services and intend to upgrade incrementally, the servers still running ZfS 2 do not need to meet the system requirements for ZfS 3.0.2 until they are upgraded.

Installation User

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

- Rights to extend the Novell eDirectory™ 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

Workstations

The following sections describe various workstation requirements.

Installation Workstation

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

- Windows NT or 2000 operating system with Novell Client™ 4.83 SP1

- Pentium* II with 128 MB RAM and display screen area set to 1024 x 768 or greater

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 NT, Windows 2000, or Windows XP operating system

- Novell Client 4.83 SP1 for Windows NT/2000/XP

- Service Pack 3 for Windows 2000, or Service Pack 6a for Windows NT 4.0

- ConsoleOne 1.3.5 (located on the *ZENworks for Servers Companion* CD or the *ZENworks 6 Companion 1* CD)

- The IP protocol stack must be loaded

Web Management Software

Novell iManager 1.5.1 is required for Web-based administration. It can be installed from the *ZENworks for Servers Companion* CD or *ZENworks 6 Companion 1* CD.

Target Servers

The following sections outline the minimum server requirements for each ZfS component.

To install all ZfS components, including service or support packs and other supporting software, you might need up to 700 MB of free disk space per NetWare server or 400 MB per Windows server.

Management and Monitoring Services

The following tables provide the minimum server requirements for Management and Monitoring Services components.

MANAGEMENT SERVERS

Minimum Requirements	NetWare 5.1	NetWare 6
NetWare Support Pack	5	2 (or 3 if using JVM* 1.4.1)
Novell eDirectory	8.0	8.0
CPU Type	Pentium III	Pentium III
CPU RAM	384 MB	512 MB
Free Disk Space for ZfS Software	170 MB + at least 2 GB for discovery/alarm data	170 MB + at least 2 GB for discovery/alarm data
Free Disk Space for ConsoleOne Snap-Ins	50 MB	50 MB
IP Address	Static	Static

SERVER MANAGEMENT AGENT and TRAFFIC ANALYSIS AGENT SERVERS

Minimum Requirements	NetWare 4.2	NetWare 5.1	NetWare 6
NetWare Support Pack	8a	3	N/A
CPU Type	Processor meeting the operating system's requirements	Processor meeting the operating system's requirements	Processor meeting the operating system's requirements
CPU RAM	128 MB	128 MB	256 MB
IP Address	Valid IP/IPX™ address	Valid IP/IPX address	Valid IP/IPX address
Long Name Space	Enabled	N/A	N/A

SERVER MANAGEMENT AGENT SERVERS

Minimum Requirements	Windows NT	Windows 2000
Windows Service Pack	6	2
CPU Type	250 MHz Pentium II	250 MHz Pentium II
CPU RAM	64 MB	128 MB
Free Disk Space for ZfS Software	2.5 MB + extra space for trending data	2.5 MB + extra space for trending data

TRAFFIC ANALYSIS AGENT SERVERS

Minimum Requirements	Windows NT	Windows 2000
Windows Service Pack	4	N/A
Internet Explorer	5.0	5.0
CPU Type	250 MHz Pentium II	250 MHz Pentium II
CPU RAM	128 MB	128 MB
IP Address	Valid IP/IPX address	Valid IP/IPX address
Free Disk Space for ZfS Software	2.5 MB + extra space for trending data	2.5 MB + extra space for trending data

Policy and Distribution Services

The following tables provide the minimum server requirements for Policy and Distribution Services.

POLICY and DISTRIBUTION SERVICES SERVERS for NETWARE

Minimum Requirements	NetWare 5.1	NetWare 6
NetWare Support Pack	5	2 (or 3 if using JVM 1.4.1)
Novell eDirectory	8.0	8.0
CPU Type	Pentium II To enhance Policy and Distribution Services efficiency, it is more important to increase CPU RAM than processor speed.	Pentium II To enhance Policy and Distribution Services efficiency, it is more important to increase CPU RAM than processor speed.
CPU RAM	384 MB (512 MB recommended)	512 MB
CPU Cache for Database	32 MB	32 MB
Database File Location	Not the SYS: volume	Not the SYS: volume
Free Disk Space for ZfS Software	35 MB	32 MB
Free Disk Space for ConsoleOne Snap-Ins	70 MB	70 MB

POLICY and DISTRIBUTION SERVICES SERVERS for WINDOWS

Minimum Requirements	Windows NT	Windows 2000
Windows Service Pack	6a	2
Novell eDirectory	8.0	8.0
CPU Type	Pentium II	Pentium II
CPU RAM	256 MB	256 MB
Free Disk Space for ZfS Software	35 MB	35 MB
Free Disk Space for ConsoleOne Snap-Ins	50 MB	50 MB

POLICY and DISTRIBUTION SERVICES SERVERS for LINUX and SOLARIS

Minimum Requirements	Linux	Solaris
Operating System Version	Red Hat* 7.1, 7.2, 7.3, or 8 Libstdcc++-6.21-2.9.0.0.i386.rpm or later Red Hat 7.3 requires creation of a symbolic link[1] (Red Hat 8 does not require a symbolic link)	8 (release level 5.8 as displayed by the uname -r command)
Machine Type	IBM* compatible PC	Sun* Microsystems
CPU Type	200 MHz Pentium II (Intel for Linux)	SPARC* for Solaris*
CPU RAM	128 MB (256 MB recommended)	256 MB
Free Disk Space for ZfS Software	150 MB	195 MB

[1] To enable a successful installation for Red Hat 7.3; after installing, enter the following at prompt/shell:

```
In -s /usr/lib/libstdc++-libc6.2-2.so.3 /usr/lib/libstds++-libc6.1-1.so.2
```

This will create a symbolic link to the current stdlibc++.

IMPORTANT: The hostname of the Linux* or Solaris server where you install Policy and Distribution Services must be the same as its DNS short name.

Server Inventory

The following tables provide the minimum server requirements for Server Inventory.

INVENTORY SERVERS for NETWARE

Minimum Requirements	NetWare 5.1	NetWare 6
NetWare Support Pack	5	2 (or 3 if using JVM 1.4.1)
Novell eDirectory	8.0	8.0
CPU Type	Pentium II	Pentium II
CPU RAM	256 MB (512 MB recommended)	512 MB
Free Disk Space for ZfS Software	25 MB without database; 50 MB with database	25 MB without database; 50 MB with database
Free Disk Space for ConsoleOne Snap-Ins	50 MB	50 MB
Inventory Data	Not on the SYS: volume	Not on the SYS: volume
IP Address	Valid IP address	Valid IP address

INVENTORY SERVERS for WINDOWS

Minimum Requirements	Windows NT	Windows 2000
NetWare Support Pack	6a	2
Novell eDirectory	8.0	8.0
CPU Type	200 MHz Pentium II	200 MHz Pentium II
CPU RAM	256 MB	256 MB
Subscriber	Object and software only (Server Inventory, Inventory Agent, Remote Management)	Object and software only (Server Inventory, Inventory Agent, Remote Management)
Free Disk Space for ZfS Software	25 MB without database; 50 MB with database	25 MB without database; 50 MB with database
Free Disk Space for ConsoleOne Snap-Ins	50 MB	50 MB

INVENTORIED SERVERS

Minimum Requirements	NetWare 5.1	NetWare 6
NetWare Support Pack	5	2 (or 3 if using JVM 1.4.1)
Novell eDirectory	8.0 LDAP must be installed on every inventory sever. To configure the Secure Socket Layer (SSL), Novell Certificate Server™ 2.03 must be installed on every server.	8.0 LDAP must be installed on every inventory sever. To configure the Secure Socket Layer (SSL), Novell Certificate Server 2.03 must be installed on every server.
CPU Type	Pentium II	Pentium II
CPU RAM	256 MB (512 MB recommended)	512 MB
Free Disk Space for ZfS Software	25 MB without database; 50 MB with database	25 MB without database; 50 MB with database
Free Disk Space for ConsoleOne Snap-Ins	50 MB	50 MB
Inventory Data	Not on the SYS: volume	Not on the SYS: volume
IP Address	Valid IP address	Valid IP address

INVENTORIED SERVERS for WINDOWS

Minimum Requirements	Windows NT	Windows 2000
NetWare Support Pack	6a	2
Novell eDirectory	8.0 LDAP must be installed on every inventory sever. To configure SSL, Novell Certificate Server 2.03 must be installed on every server.	8.0 LDAP must be installed on every inventory sever. To configure SSL, Novell Certificate Server 2.03 must be installed on every server.
CPU Type	200 MHz Pentium II	200 MHz Pentium II
CPU RAM	256 MB	256 MB
Subscriber	Object and software only (Server Inventory, Inventory Agent, Remote Management)	Object and software only (Server Inventory, Inventory Agent, Remote Management)
Free Disk Space for ZfS Software	25 MB without database; 50 MB with database	25 MB without database; 50 MB with database
Free Disk Space for ConsoleOne Snap-Ins	50 MB	50 MB

DATABASE SERVERS

Component	Hardware and Software Requirements
Database	Sybase* is installed automatically when you choose to install the Inventory Database. • Sybase ASA 7.0.2.1583 on NetWare 5.x or 6 (do not locate the database file on NFS-mounted volumes) • Sybase ASA 7.0.2.1540 on Windows NT/2000 • Sybase ASA 7.0.2.1540 on Linux or Solaris Oracle* can be used as an alternate to Sybase. • Oracle 8i on NetWare 5.x, Windows NT/2000, Linux, Solaris, or MS SQL 2002 servers
CPU RAM	256 MB with 32 MB cache 512 MB with 256 MB cahce recommended at Root Server level
Free Disk Space for Database Files	200 MB for lowest level server with 1,000 servers 2 GB for topmost level server

Remote Management

The following table provides the minimum server requirements for Remote Management.

COMPONENTS of REMOTE MANAGEMENT

Component	Hardware and Software Requirements
Management Server	Same requirements for Windows servers as listed under "Policy and Distribution Services" above. NetWare servers cannot be Management Servers.
Management Console	IP protocol stack Internet Explorer 5.x or later Same requirements for ConsoleOne workstations as listed under "ConsoleOne Management Workstations" above.
Managed Server	NetWare 4.2, 5.0, 5.1, or 6; or Windows NT or 2000 2 MB free space on the drive where Windows is installed Internet Explorer 5.x or later To install the policy enforcer, Policy and Distribution Services must be installed on the managed server (including JVM 1.3.1 installed with the NetWare Support Pack)

For the Remote Management Agent, you need to install Novell eDirectory on the managed server only 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 to be processed

- Identify the servers where the Inventory database must 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:

1 Insert the *ZENworks for Servers Program* CD into your installation workstation.

2 Use the Schema Extensions option for each tree where you want to manage ZfS objects.

3 Select the appropriate installation or upgrade option.

4 Follow the prompts.