# Checking the ZENworks Desktop Management Installation

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The purpose of this section of the Novell® ZENworks® 7 Desktop Management documentation is to help you understand the methods you can use to help you check for a successful installation of ZENworks components and to help you change the configuration of some of those components. The section contains the following information:

- Chapter 6, "Checking the Installation of Desktop Management Components on Servers," on page 107
- Appendix G, "Documentation Updates," on page 123

# Checking the Installation of Desktop Management Components on Servers

<div align="right">6</div>

This section of the *Novell® ZENworks® 7 Desktop Management Administration Guide* includes information that can help you check the installed Desktop Management components on Windows, NetWare®, or Linux servers. The following items are included in this section:

- Section 6.1, "Determining the Version of ZENworks Components Installed on a NetWare or Windows Server," on page 107
- Section 6.2, "Using Logging Methods to Check ZENworks on NetWare and Windows Servers," on page 118
- Section 6.3, "Identifying Processes Started by the Linux Installation," on page 119
- Section 6.4, "Determining the Version of ZENworks Components Installed on a Linux Server," on page 121

## 6.1 Determining the Version of ZENworks Components Installed on a NetWare or Windows Server

If you need to be certain about which version of ZENworks Desktop Management or its components is installed on a Windows or NetWare server, use the following information included this section:

- Section 6.1.1, "Using Zenver.exe," on page 107
- Section 6.1.2, "Registry Entries Containing Version Information," on page 107

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**NOTE:** The information in this section also applies to ZENworks 7 Desktop Management with Support Pack 1.

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### 6.1.1 Using Zenver.exe

The easiest way to determine the version of ZENworks Desktop Management that is running on the NetWare or Windows server is to run `zenver.exe` from the `\public` directory of the server where ZENworks has been installed. The major version and support pack version of ZENworks Desktop Management is displayed at the command line.

### 6.1.2 Registry Entries Containing Version Information

This section lists the registry entries (workstation and server) made by ZENworks 7 Desktop Management installation programs. These entries contain the product version information for this release. The Workstation Inventory scanner software uses these entries to determine and report the Desktop Management component and version that are installed. If you need to contact Novell

Support, you can convey this version information to support technicians who will use it to better understand and troubleshoot any problems you may be having.

The section contains the following information:

**NOTE:** The format for build dates in the registry is *ymmdd*.

## Version Information Available on Windows Workstations

Registry information in this section is organized according to the registry data available on Windows workstations for the following installed ZENworks agents:

### One or More of the ZENworks Desktop Management Agents Installed to the Workstation

The registry keys and values indicating that one or more of the ZENworks 7 Desktop Management Agents have been installed to the workstation are listed in the table below.

| Registry Key | Value |
|---|---|
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent \Version | 7.*build.revision* |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent \Support Pack | 0 |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent \Display Name | ZENworks Desktop Management Agent |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent \InstallPath | *Install Path - Install Root Directory*<br><br>Example:<br><br>C:\program files\novell\zenworks |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent \Langauge | *Language ID*<br><br>Example: 1033 (for English) |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent \ProductGUID | *MSI Product GUID* |

### Inventory Agent on a Windows Workstation

The registry keys and values indicating that the ZENworks 7 Desktop Management Inventory Agent has been installed are listed in the table below.

| Registry Key | Value |
| --- | --- |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Inventory\Version | 7.*build*.*revision* |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Inventory\Support Pack | 0 |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Inventory\Display Name | Desktop Management Inventory Agent |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Inventory\InstallPath | *Install Path* |

### Remote Management Agent on a Windows Workstation

The registry keys and values indicating that the ZENworks 7 Desktop Management Remote Management Agent has been installed are listed in the table below.

| Registry Key | Value |
| --- | --- |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Remote Management\Version | 7.*build*.*revision* |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Remote Management\Support Pack | 0 |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Remote Management\Display Name | ZENworks Desktop Management Remote Management Agent |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Remote Management\InstallPath | *Install Path* |

### Application Management Agent on a Windows Workstation

The registry keys and values indicating that the ZENworks 7 Desktop Management Application Management Agent has been installed are listed in the table below.

| Registry Key | Value |
| --- | --- |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Application Management\Version | 7.*build*.*revision* |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Application Management\Support Pack | 0 |

| Registry Key | Value |
| --- | --- |
| `HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Applicatio n Management\Display Name` | ZDM Application Management Agent |
| `HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Applicatio n Management\InstallPath` | *Install Path* |

### Imaging Agent on a Windows Workstation

The registry keys and values indicating that the ZENworks 7 Desktop Management Imaging Agent has been installed are listed in the table below.

| Registry Key | Value |
| --- | --- |
| `HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Imaging\Ve rsion` | 7.*build.revision* |
| `HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Imaging\Su pport Pack` | 0 |
| `HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfDAgent\Imaging\Dis play Name` | ZDM Imaging Agent |
| `HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Imaging\In stallPath` | *Install Path* |

### Workstation Manager Agent on a Windows Workstation

The registry keys and values indicating that the ZENworks 7 Desktop Management Workstation Manager Agent has been installed are listed in the table below.

| Registry Key | Value |
| --- | --- |
| `HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Workstatio n Manager\Version` | 7.*build.revision* |
| `HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Workstatio n Manager\Support Pack` | 0 |
| `HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Workstatio n Manager\Display Name` | ZDM Workstation Manager Agent |
| `HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Agent\Workstatio n Manager\InstallPath` | *Install Path* |

## Version Information Available on a Windows Server

Registry information in this section is organized according to the registry data available on a Windows server for the following installed ZENworks servers:

◆ "ZENworks Desktop Management Server Components Installed to the Windows Server" on page 111

### ZENworks Desktop Management Server Components Installed to the Windows Server

The registry keys and values used by all of the ZENworks 7 Desktop Management Server components when any of them have been installed on a Windows server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Langauge | *Language ID*<br><br>Example: 1033 (for English) |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Version | 7.*build*.*revision* |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Support Pack | 0 |

### Application Management Server Component on a Windows Server

The registry keys and values indicating that the ZENworks 7 Desktop Management Application Management Server component has been installed on a Windows server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\App Management Server\Version | 7.*build*.*revision* |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\App Management Server\Support Pack | 0 |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\App Management Server\Display Name | ZENworks Application Management Server |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\App Management Server\Install Path | *Install Path* |

### Remote Management Server Component on a Windows Server

The registry keys and values indicating that the ZENworks 7 Desktop Management Remote Management Server component has been installed on a Windows server are listed in the table below.

| Registry Key | Value |
|---|---|
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Remote Management Server\Version | *7.build.revision* |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Remote Management Server\Support Pack | 0 |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Remote Management Server\Display Name | ZENworks Desktop Management Remote Management Server |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\RMPath | *Install Path* |

NAL Database Server Component on a Windows Server

The registry keys and values indicating that the ZENworks 7 Desktop Management NAL Database Server component has been installed on a Windows server are listed in the table below.

| Registry Key | Value |
|---|---|
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\NAL Database Server\Version | *7.build.revision* |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\NAL Database Server\Support Pack | 0 |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\NAL Database Server\Display Name | ZDM NAL Database Server |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\NALDBPath | *Install Path* |

Inventory Database Server Component on a Windows Server

The registry keys and values that indicate that the ZENworks 7 Desktop Management Inventory Database Server component has been installed on a Windows server are listed in the table below.

| Registry Key | Value |
|---|---|
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Inventory Database Server\Version | *7.build.revision* |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Inventory Database Server\Support Pack | 0 |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Inventory Database Server\Display Name | ZDM Inventory Database Server |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\InvDBPath | *Install Path* |

### Inventory Server Component on a Windows Server

The registry keys and values indicating that the ZENworks 7 Desktop Management Inventory Server component has been installed on a Windows server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Inventory Server\Version | *7.build.revision* |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Inventory Server\Support Pack | 0 |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Inventory Server\Display Name | ZDM Inventory Server |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\InvSrvPath | *Install Path* |

### Inventory (XML) Proxy Server Component on a Windows Server

The registry keys and values indicating that the ZENworks 7 Desktop Management Inventory (XML) Proxy Server component has been installed on a Windows server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\XMLProxy Server\Version | *7.build.revision* |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\XMLProxy Server\Support Pack | 0 |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\XMLProxy Server\Display Name | ZDM XML Proxy Server |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZWSPath | *Install Path* |

### Imaging Server Component on a Windows Server

The registry keys and values indicating that the ZENworks 7 Desktop Management Imaging Server component has been installed on a Windows server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Imaging Server\Version | *7.build.revision* |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Imaging Server\Support Pack | 0 |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Imaging Server\Display Name | ZENworks Imaging Server |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Imaging Server\Install Path | *Install Path* |

### Preboot Services Server Component on a Windows Server

The registry keys and values indicating that the ZENworks 7 Desktop Management Preboot Services (PXE) Server component has been installed on a Windows server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\PXE Server\Version | 7.*build.revision* |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\PXE Server\Support Pack | 0 |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\PXE Server\Display Name | ZENworks PXE Server |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\PXE Server\Install Path | *Install Path* |

### Workstation Import/Removal Server Component on a Windows Server

The registry keys and values indicating that the ZENworks 7 Desktop Management Import/Removal Server component has been installed on a Windows server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Workstation Import Server\Version | 7.*build.revision* |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Workstation Import Server\Support Pack | 0 |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Workstation Import Server\Display Name | ZENworks Workstation Import Server |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Workstation Import Server\Install Path | *Install Path* |

### ZENworks Middle Tier Server on a Windows Server

The registry keys and values that indicate that the ZENworks 7 Middle Tier Server has been installed on a Windows server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Middle Tier Server\Version | 7.*build.revision* |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Middle Tier Server\Support Pack | 0 |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Middle Tier Server\Display Name | ZENworks Middle Tier Server |
| HKEY_LOCAL_MACHINE\Software\Novell\ZENworks\ZfD\Middle Tier Server\InstallPath | *Install Path* |

**Version Information Available on NetWare Servers**

Registry information in this section is organized according to the registry data available on NetWare® servers for the following installed ZENworks servers:

ZENworks Desktop Management Server Components Installed to a NetWare Server

The registry keys and values indicating that the ZENworks 7 Desktop Management Server has been installed on a NetWare server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| `Software\Novell\ZENworks\ZfD\Language` | *Language ID* <br><br> Example: 1033 (for English) |
| `Software\Novell\ZENworks\ZfD\Version` | 7.*build.revision* |
| `Software\Novell\ZENworks\ZfD\Support Pack` | 0 |

Application Management Server Component on NetWare

The registry keys and values indicating that the ZENworks 7 Desktop Management Application Management Server component has been installed on a NetWare server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| `Software\Novell\ZENworks\ZfD\App Management Server\Version` | 7.*build.revision* |
| `Software\Novell\ZENworks\ZfD\App Management Server\Support Pack` | 0 |
| `Software\Novell\ZENworks\ZfD\App Management Server\Display Name` | ZENworks Application Management Server |
| `Software\Novell\ZENworks\ZfD\App Management Server\InstallPath` | *Install Path* |

### Remote Management Server Component on NetWare

The registry keys and values indicating that the ZENworks 7 Desktop Management Remote Management Server component has been installed on a NetWare server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| `Software\Novell\ZENworks\ZfD\Remote Management Server\Version` | *7.build.revision* |
| `Software\Novell\ZENworks\ZfD\Remote Management Server\Support Pack` | 0 |
| `Software\Novell\ZENworks\ZfD\Remote Management Server\Display Name` | ZENworks Desktop Management Remote Management Server |
| `Software\Novell\ZENworks\ZfD\RMPath` | *Install Path* |

### NAL Database Server Component on NetWare

The registry keys and values indicating that the ZENworks 7 Desktop Management NAL Database Server component has been installed on a NetWare server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| `Software\Novell\ZENworks\ZfD\NAL Database Server\Version` | *7.build.revision* |
| `Software\Novell\ZENworks\ZfD\NAL Database Server\Support Pack` | 0 |
| `Software\Novell\ZENworks\ZfD\NAL Database Server\Display Name` | ZDM NAL Database Server |
| `Software\Novell\ZENworks\ZfD\NALDBPath` | *Install Path* |

### Inventory Database Server Component on NetWare

The registry keys and values that indicate that the ZENworks 7 Desktop Management Inventory Database Server component has been installed on a NetWare server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| `Software\Novell\ZENworks\ZfD\Inventory Database Server\Version` | *7.build.revision* |
| `Software\Novell\ZENworks\ZfD\Inventory Database Server\Support Pack` | 0 |
| `Software\Novell\ZENworks\ZfD\Inventory Database Server\Display Name` | ZDM Inventory Database Server |
| `Software\Novell\ZENworks\ZfD\InvDBPath` | *Install Path* |

## Inventory Server Component on NetWare

The registry keys and values that indicate that the ZENworks 7 Desktop Management Inventory Server component has been installed on a NetWare server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| `Software\Novell\ZENworks\ZfD\Inventory Server\Version` | 7.*build*.*revision* |
| `Software\Novell\ZENworks\ZfD\Inventory Server\Support Pack` | 0 |
| `Software\Novell\ZENworks\ZfD\Inventory Server\Display Name` | ZDM Inventory Server |
| `Software\Novell\ZENworks\ZfD\InvSrvPath` | *Install Path* |

## Inventory (XML) Proxy Server Component on NetWare

The registry keys and values that indicate that the ZENworks 7 Desktop Management Inventory Server component has been installed on a NetWare server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| `Software\Novell\ZENworks\ZfD\XMLProxy Server\Version` | 7.*build*.*revision* |
| `Software\Novell\ZENworks\ZfD\XMLProxy Server\Support Pack` | 0 |
| `Software\Novell\ZENworks\ZfD\XMLProxy Server\Display Name` | ZDM XML Proxy Server |
| `Software\Novell\ZENworks\ZfD\ZWSPath` | *Install Path* |

## Imaging Server Component on NetWare

The registry keys and values indicating that the ZENworks 7 Desktop Management Imaging Server component has been installed on a NetWare server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| `Software\Novell\ZENworks\ZfD\Imaging Server\Version` | 7.*build*.*revision* |
| `Software\Novell\ZENworks\ZfD\Imaging Server\Support Pack` | 0 |
| `Software\Novell\ZENworks\ZfD\Imaging Server\Display Name` | ZENworks Imaging Server |
| `Software\Novell\ZENworks\ZfD\Imaging Server\InstallPath` | *Install Path* |

## Preboot Services Server Component on NetWare

The registry keys and values indicating that the ZENworks 7 Desktop Management Preboot Services Server component has been installed on a NetWare server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| `Software\Novell\ZENworks\ZfD\PXE Server\Version` | 7.*build*.*revision* |

| Registry Key | Value |
| --- | --- |
| `Software\Novell\ZENworks\ZfD\PXE Server\Support Pack` | 0 |
| `Software\Novell\ZENworks\ZfD\PXE Server\Display Name` | ZENworks PXE Server |
| `Software\Novell\ZENworks\ZfD\PXE Server\InstallPath` | *Install Path* |

Workstation Import/Removal Server Component on NetWare

The registry keys and values indicating that the ZENworks 7 Desktop Management Workstation Import/Removal Server component has been installed on a NetWare server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| `Software\Novell\ZENworks\ZfD\Workstation Import Server\Version` | 7.*build*.*revision* |
| `Software\Novell\ZENworks\ZfD\Workstation Import Server\Support Pack` | 0 |
| `Software\Novell\ZENworks\ZfD\Workstation Import Server\Display Name` | ZENworks Workstation Import Server |
| `Software\Novell\ZENworks\ZfD\Workstation Import Server\InstallPath` | *Install Path* |

ZENworks Middle Tier Server on NetWare

The registry keys and values that indicate that the ZENworks 7 Middle Tier Server has been installed on a NetWare server are listed in the table below.

| Registry Key | Value |
| --- | --- |
| `Software\Novell\ZENworks\ZfD\Middle Tier Server\Version` | 7.*build*.*revision* |
| `Software\Novell\ZENworks\ZfD\Middle Tier Server\Support Pack` | 0 |
| `Software\Novell\ZENworks\ZfD\Middle Tier Server\Display Name` | ZENworks Middle Tier Server |
| `Software\Novell\ZENworks\ZfD\Middle Tier Server\InstallPath` | *Install Path* |

## 6.2  Using Logging Methods to Check ZENworks on NetWare and Windows Servers

Information about the location of installation and debug logs for all of the ZENworks Desktop Management components installed on a NetWare or Windows server is included in TID 10093312 (http://support.novell.com/cgi-bin/search/searchtid.cgi?/10093312.htm) in the Novell Knowledgebase. This information can be useful as you check and troubleshoot ZENworks components after they are installed.

# 6.3 Identifying Processes Started by the Linux Installation

The following processes—sometimes called "daemons" or "scripts"—are started by the ZENworks 7 Desktop Management installation on Linux servers, depending on what ZENworks components you have chosen to install. You can find these processes in the storage area for ZENworks scripts, which is the `/etc/init.d` directory.

Many of these processes also has a `.conf` file or a `.properties` file that you can use to configure its execution. The information included in the log file includes parameters you can use while running the process from the command line.

One such process is the creation of log files. Each `.conf` or `.properties` file includes information about the location of its log file and the logging levels you can set.The logging levels settings are explained in the list below:

The following table is a summary of some helpful information about the ZENworks processes.

***Table 6-1***  *Summary of ZENworks Processes on Linux*

| Name of Process Script | ZENworks Service or Daemon | Configuration File | Log File |
|---|---|---|---|
| novell-zdm-awsi | ZENworks Auto Workstation Import/ Removal | `/etc/opt/novell/ zenworks/zdm/novell-zdm- awsi.conf` | `/var/opt/novell/log/ zenworks/awsi.log` and `awsr.log`<br><br>(Logging levels 0-3 are available) |
| novell-proxydhcp | ZENworks Preboot Services | `/etc/opt/novell/novell- proxydhcp.conf` | `/var/opt/novell/log/ novell-proxydhcp.log`<br><br>(Logging levels 0-4 are available) |
| novell-tftp | ZENworks Preboot Services | `/etc/opt/novell/novell- tftp.conf` | `/var/opt/novell/log/ novell-tftp.log`<br><br>(Logging levels 0-4 are available) |
| novell- zmgprebootpolicy | ZENworks Preboot Services | `/etc/opt/novell/ zenworks/preboot/novell- zmgprebootpolicy.conf` | `/var/opt/novell/log/ zenworks/preboot/novell- zmgprebootpolicy.log`<br><br>(Logging levels 0-4 are available) |
| novell-zimgserv[1] | ZENworks Imaging Service | `/etc/opt/novell/ zenworks/preboot/novell- zimgserv.conf` | `/var/opt/novell/log/ zenworks/preboot/novell- zimgdbg.log` |
| novell-zdm-wol | ZENworks Remote Management | `/etc/opt/novell/ zenworks/rm/*.properties` | `/var/opt/novell/log/ zenworks/rm/novell-zdm- wol.log` |
| novell-tomcat4 | ZENworks Middle Tier Server | `/etc/opt/novell/novell- tomcat4.conf` | `/var/opt/novell/tomcat4/ catalina.out` |

| Name of Process Script | ZENworks Service or Daemon | Configuration File | Log File |
|---|---|---|---|
| apache2 | ZENworks Middle Tier Server | `/etc/apache2/httpd.conf` | `/var/log/apache2/error_log` |
| novell-xregd | ZENworks Middle Tier Server | no `.conf` file<br><br>other configuration utilities[3] | `/var/log/messages`[2] |
| novell-xsrvd | ZENworks Middle Tier Server | `/etc/opt/novell/xtier/xsrvd/xsrvd.conf`<br><br>other configuration utilities[3] | `/var/log/messages`<br>and<br>`/var/opt/novell/xtier/xterrornn.log`<br><br>(The *nn* variable in the log file name represents a number between 1-10) |
| novell-zdm-sybase | ZENworks Inventory Service | n/a | n/a |
| novell-zfs | ZENworks Inventory Service | `/etc/opt/novell/zenworks/zws.properties` | n/a |
| novell-zdm-inv | ZENworks Inventory Service | `/etc/opt/novell/zenworks/inv/*.properties` | `/var/opt/novell/log/zenworks/inv/novell-zdm-inv.log` |

[1]novell-zimgserv is not a daemon in ZENworks 7 Desktop Management Services on Linux. It is loaded by Novell eDirectory™ and is run as a subprocess of eDirectory.

[2]The messages log is a general log used by the novell-xregd and the novell-xsrvd daemons.

[3]You can launch novell-xregd and novell-xsrvd by invoking the regedit and xsrvcfg utilities from an SSH session. Among other things, these utilities can be used to configure authentication domains. You must have the appropriate rights to use the regedit utility (the registry service), which is found in `/opt/novell/xtier/bin/regedit`. For more information about the xrvcfg utility, see the Novell NetStorage (http://www.novell.com/documentation/oes/oes_readme/data/oes_readme.html#bu7fccs) section of the Novell Open Enterprise Server (Linux) readme.

## 6.3.1  Controlling Individual ZENworks Processes

You can use some command line parameters for each of these processes when you change the directory to the location of the process and type the following command:

`./process_script -parameter_name`

The following command line parameters are available for these processes. Their purpose is self-explanatory.

start
stop
status

restart

## 6.3.2  Starting and Stopping All ZENworks Processes

You can use `./ZDMstart` to start and `./ZDMstop` to stop all of the ZENworks processes at once. Both of these utilities are found in the `/opt/novell/zenworks/bin` directory. You can also use the `./ZDMstart -status` command to show status for all of the ZENworks processes.

# 6.4  Determining the Version of ZENworks Components Installed on a Linux Server

You can list the version of the ZENworks components installed on your Linux server by running the version utility located in the `/opt/novell/zenworks/bin` directory called novell-zdm-version. For a list of the available parameters you can use with this utility, enter one of the following commands:

```
./novell-zdm-version -h
./novell-zdm-version -help
```

The help for this utility lists the following:

```
Usage:  novell-zdm-version [options]Options:
-l[ist]: List component names with their display names
-c[omponent]  <c> : Show version information for component <c> only
-p[ackages]      : Show package versions for each specified component
-d[etails]       : Display all ZENworks-installable packages per
component
-s[howcommon]    : Show information about common components
-h[elp]          : Display this help messageNotes:
      1) Use the -l[ist] option to get a mapping from component names
to display names.  The component names are used with the -c[omponent]
option.
      2) The -d[etails] option shows additional package dependency
information for each component displayed.It implies the -p[ackages]
option.
      3) The -s[howcommon] option displays information about
components (or packages) that are not directly selectable from the
installer.
```

# Documentation Updates

<span style="float:right; font-size:3em;">G</span>

This section contains information on documentation content changes that have been made in this section of the *Administration* guide since the initial release of Novell® ZENworks® 7 (August 26, 2005). The information will help you to keep current on updates to the documentation.

All changes that are noted in this section were also made in the documentation. The documentation is provided on the Web in two formats: HTML and PDF. The HTML and PDF documentation are both kept up-to-date with the documentation changes listed in this section.

The documentation update information is grouped according to the date the changes were published. Within a dated section, the changes are alphabetically listed by the names of the main table of contents sections for ZENworks 7 Personality Migration.

If you need to know whether a copy of the PDF documentation you are using is the most recent, the PDF document contains the date it was published on the front title page.

The documentation was updated on the following dates:

## G.1  July 14, 2006 (Support Pack 1)

The following note was added to each section:

---

**NOTE:** The information in this section also applies to ZENworks 7 Desktop Management with Support Pack 1.

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## G.2  December 23, 2005

Updates were made to the following sections. The changes are explained below.

### G.2.1  Checking the Installation of Desktop Management Components on Servers

The following changes were made in this section:

| Location | Change |
| --- | --- |
| Section 6.4, "Determining the Version of ZENworks Components Installed on a Linux Server," on page 121 | Moved the information in this section into a more generically named chapter so that all methods for determining versioning, for all server platforms are in the same chapter. |

## G.3  December 9, 2005

The page design in the guide was reformatted to comply with revised Novell documentation standards.