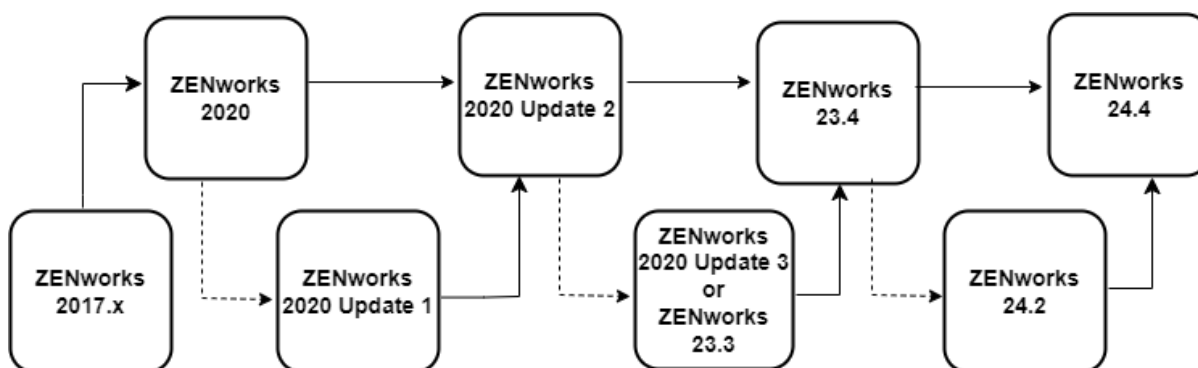


# Upgrading ZENworks 2017.x

- ♦ “Upgrade Path Chart” on page 1
- ♦ “Software and Licenses Download (SLD)” on page 2
- ♦ “System Requirements Considerations” on page 7
- ♦ “Upgrade from ZENworks 2017.x to ZENworks 2020” on page 18
- ♦ “Upgrade from ZENworks 2020 to ZENworks 2020 Update 2” on page 19
- ♦ “Upgrade from ZENworks 2020 Update 2 | Update 3 | 23.3 to ZENworks 23.4” on page 19
- ♦ “Upgrade from ZENworks 23.4 | 24.2 to ZENworks 24.4” on page 20
- ♦ “Additional Information” on page 20

## Upgrade Path Chart

The following chart represents the upgrade path from ZENworks 2017 version to the most current ZENworks 24.4 version.



The process requires four separate upgrades:

**ZENworks 2017.x to 2020:** The first upgrade is from your version of ZENworks 2017 (2017, Update 1, Update 2, Update 3, or Update 4) to ZENworks 2020. This upgrade includes your ZENworks Primary Servers, database, and Satellites. It does not need to include your managed devices; they can remain on their current ZENworks agent version until the second upgrade.

**ZENworks 2020 | 2020.1 to 2020.2:** The second upgrade is from ZENworks 2020 or ZENworks 2020 Update 1 to ZENworks 2020 Update 2. Both versions (2020 and 2020.1) can upgrade directly to ZENworks 2020 Update 2. This upgrade includes your Primary Servers, database, and Satellites. You can also upgrade your managed devices at this point or wait until you have upgraded to ZENworks 24.2.

**ZENworks 2020.2 | 2020.3 | 23.3 to ZENworks 23.4:** The third upgrade is from ZENworks 2020 Update 2 or ZENworks 2020 Update 3 or ZENworks 23.3 to ZENworks 23.4. This upgrade includes your Primary Servers, database, Satellites, and managed devices.

**ZENworks 23.4 | 24.2|to ZENworks 24.4:** The fourth upgrade is from ZENworks 23.4, 24.2 to ZENworks 24.4. This upgrade includes your Primary Servers, database, Satellites, and managed devices.

## Software and Licenses Download (SLD)

Log in to the [Customer Portal](#) or [Software Licenses and Download](#) site to download the files for upgrade. From the **Downloads** screen, select the **Product**, **Product Name** (entitlement) and **Version** to view the files. Click the **Media Version** column to sort the files.

### Downloading ZENworks 2020 Files

The following image displays the files that are available for download for ZENworks 2020.

The screenshot shows the 'Software Downloads' page. At the top, there is a search bar for 'Account Name' with the value 'XXXXXXXX@microfocus.com'. Below this are three dropdown menus for 'Product' (ZENworks Configuration Management (ZCM)), 'Product Name' (ZENworks Configuration Management per User/Device Sub SW E-LTU), and 'Version' (2020). There are 'Export Media Report' and 'Reset' buttons. A 'Download Selected' button is present, along with a 'Show Superseded Patches' checkbox and filter buttons for '2020', 'Software', and 'Clear'. A 'Get Licenses' button is also visible. A blue banner contains a disclaimer: 'By downloading the software below, you agree, on behalf of or as the licensee of such software, that you have read and hereby accept that, unless otherwise agreed in writing by Micro Focus, the End User License Agreement and any associated Additional License Authorizations located here, for such software shall apply and supersede different license terms that may be embedded within such software.' Below the banner is a table with columns: Description, Category, Platform, Language, File Type, Media Version, Created Date, and Action. The table lists five files, all of which are software files from 2020.

<input type="checkbox"/>	Description	Category	Platform	Language	File Type	Media Version	Created Date	Action
<input type="checkbox"/>	AdminStudio2020NovellZENworks.exe <a href="#">Reference Material</a>		...	...	Software	2020		More Details <a href="#">Download</a>
<input type="checkbox"/>	LiquiSetupCommander-3.3.4.msi <a href="#">Reference Material</a>		...	...	Software	2020		More Details <a href="#">Download</a>
<input type="checkbox"/>	ZENworks2020.iso <a href="#">Reference Material</a>		...	...	Software	2020		More Details <a href="#">Download</a>
<input type="checkbox"/>	ZENworks2020_Appliance-x86_64.ova <a href="#">Reference Material</a>		...	...	Software	2020		More Details <a href="#">Download</a>
<input type="checkbox"/>	ZENworks2020_Appliance-x86_64.vhd.zip <a href="#">Reference Material</a>		...	...	Software	2020		More Details <a href="#">Download</a>

Based on the configuration of ZENworks, select any of the following files and click **Download Selected**.

The following table lists the files that are available for download for ZENworks 2020.

File Type	File Name
ISO file	ZENworks2020.iso

File Type	File Name
Appliance files	<ul style="list-style-type: none"> <li>◆ VMware ESXi: Download the ZENworks2020_Appliance-x86_64.ova file</li> <li>◆ Microsoft Hyper-V: Download the ZENworks2020_Appliance-x86_64.vhd.zip file.</li> <li>◆ Xen Server: Download the ZENworks2020_Appliancecx86_64.xen.tar.gz file.</li> <li>◆ Citrix Hypervisor (formerly XenServer): Download the ZENworks2020_Appliancecx86_64.xva.tar.gz file.</li> </ul>
Database migration tool	<p>For ZENworks 2017.x: Download the db-migration-tool-3.1.zip file</p> <p>For ZENworks 2020 and 2020.1: Download the db-migration-tool-20.1.zip file</p> <p>For ZENworks 2020 Update 2: Download the db-migration-tool-20.2.zip file</p>

## Downloading ZENworks 2020 Update 2 Files

The following image displays the files that are available for download for Update 2.

**Software Downloads**

Account Name:

Product:  ▼

Product Name:  ▼

Version:  ▼

2020.02  Clear

**Download Selected**

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<input type="checkbox"/>	Description	Category	Platform	Language	File Type	Media Version	Created Date	Action
<input type="checkbox"/>	ZENworks2020_Update2.iso	ZCM2020U2	...	...	Software	2020.02	2021-08-09	More Details <input type="button" value="Q"/> Download <input type="button" value="D"/>
<input type="checkbox"/>	ZENworks2020_Update2_Appliance-x86_64.ova	ZCM2020U2	...	...	Software	2020.02	2021-08-09	More Details <input type="button" value="Q"/> Download <input type="button" value="D"/>
<input type="checkbox"/>	ZENworks2020_Update2_Appliance-x86_64.zip.001	ZCM2020U2	...	...	Software	2020.02	2021-08-09	More Details <input type="button" value="Q"/> Download <input type="button" value="D"/>

Based on the configuration of ZENworks, select any of the following files and click **Download Selected**.

The following table lists the files that are available for download for Update 2.

File Type	File Name
ISO file	ZENworks2020_Update2.iso
Appliance files	<ul style="list-style-type: none"> <li>◆ VMware ESXi: Download the ZENworks2020_Update2_Appliance-x86_64.ova file</li> <li>◆ Microsoft Hyper-V: Download the ZENworks2020_Update2_Appliance-x86_64.vhd.zip file.</li> <li>◆ Xen Server: Download the ZENworks2020_Update2_Appliancex86_64.xen.tar.gz file.</li> <li>◆ Citrix Hypervisor (formerly XenServer): Download the ZENworks2020_Update2_Appliancex86_64.xva.tar.gz file.</li> </ul>
Database migration tool	<p>For ZENworks 2017.x: Download the db-migration-tool-3.1.zip file</p> <p>For ZENworks 2020 and 2020.1: Download the db-migration-tool-20.1.zip file</p> <p>For ZENworks 2020.2: Download the db-migration-tool-20.2.zip file</p>

## Downloading ZENworks 23.4 Files

The following image displays the files that are available for download for ZENworks 23.4.

## Software Downloads

Account Name:

Product:

Product Name:

Version:

Show Superseded Patches

By downloading the software below, you agree, on behalf of or as the licensee of such software, that you have read and hereby accept that, unless otherwise agreed in writing by OpenText, the End User License Agreement and any associated Additional License Authorizations located [here](#), for such software shall apply and supersede different license terms that may be embedded within such software.

<input type="checkbox"/>	Description	Category	Platform	Language	File Type	Media Version	Created Date	Action
<input type="checkbox"/>	ZENworksDiagnosticCenter_23.4.zip	ZENworks 23.4	All	English	Software	23.4	2023-11-07	More Details <a href="#">Download</a>
<input type="checkbox"/>	ZENworks_23.4_Update.zip	ZENworks 23.4			Software	23.4	2023-11-07	More Details <a href="#">Download</a>
<input type="checkbox"/>	ZENworks2020_Update2.iso	ZENworks 23.4	...	...	Software	23.4	2023-11-07	More Details <a href="#">Download</a>
<input type="checkbox"/>	ZENworks2020_Update2_Appliance-x86_64.vhdx.zip	ZENworks 23.4	...	...	Software	23.4	2023-11-07	More Details <a href="#">Download</a>

Based on the configuration of ZENworks, select any of the following files and click **Download Selected**.

The following table lists the files that are available for download for ZENworks 23.4.

File Type	File Name
System update ZIP file	ZENworks_23.4_Update.zip
ZENworks Diagnostic Center for validity	ZENworksDiagnosticCenter23.4.zip

## Downloading ZENworks 24.4 Files

The following image displays the files that are available for download for ZENworks 24.4

Based on the configuration of ZENworks, select any of the following files and click **Download Selected**.

The following table lists the files that are available for download for ZENworks 24.4.

## Software Downloads

Account Name: viktorem.gayval@micronolocus.com 🔍

**Product:**

**Product Name:**

**Version:**

Export Media Report 🔍
Reset 🔍

Download Selected 🔍
 Show Superseded Patches
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	Description	Category	Platform	Language	File Type	Media Version	Created Date	Action
<input type="checkbox"/>	ZENworks_24.4_Update.zip <a href="#">Reference Material</a>	ZENworks 24.4	All	...	Software	24.4	2024-10-25	More Details 🔍 <a href="#">Download</a>
<input type="checkbox"/>	ZENworksDiagnosticCenter_24.4.zip <a href="#">Reference Material</a>	ZENworks 24.4	All	...	Software	24.4	2024-10-25	More Details 🔍 <a href="#">Download</a>
<input type="checkbox"/>	ZENworksCleanupToolPkg_ZENworks_Update24.4.exe <a href="#">Reference Material</a>	ZENworks 24.4	All	...	Software	24.4	2024-10-25	More Details 🔍 <a href="#">Download</a>

File Type	File Name
System update ZIP file	ZENworks_24.4_Update.zip
ZENworks Diagnostic Center for validity	zenworks-diagnostic-center-24.4.0.zip

## ZENworks 2020.x Licensing

License keys from ZENworks 2017 do not carry over to ZENworks 2020. Retrieve your ZENworks 2020 license keys from the [Customer Care Portal](#) to activate the environment during the install/upgrade.

During the upgrade the licensing option allows input of the ZENworks Suite license OR individual component licenses. Refer to documentation about [Suite components when activating ZENworks Licenses and Product License states](#).

**NOTE:** You can enter the license keys during installation or upgrade only for ZENworks 2020. For ZENworks 2020.x and later versions, you will need to enter licenses in ZENworks Control Center after installation or upgrade. For more information, see [Activating ZENworks Suite or Individual Product License](#).

# System Requirements Considerations

One of the primary tasks required to perform a successful ZENworks upgrade is identifying what requirements have changed between your installed ZENworks version and the target current version so that you know what steps you will need to take to account for those changes.

The following sections identify the major ZENworks components whose requirements you need to consider and plan for. Once you know these requirements, the upgrade instructions will help you meet them in the appropriate order.

- ◆ [“Primary Server Operating System” on page 7](#)
- ◆ [“ZENworks Virtual Appliance” on page 10](#)
- ◆ [“Database” on page 12](#)
- ◆ [“Satellites” on page 14](#)
- ◆ [“Managed Devices” on page 14](#)
- ◆ [“User Sources and Certificates” on page 17](#)
- ◆ [“Reporting Server” on page 18](#)

## Primary Server Operating System

The supported operating systems, resources, and hypervisors required to run the ZENworks Primary Server have changed from ZENworks 2017.x versions to the current ZENworks 24.4 release. You need to understand the requirements for the ZENworks 2020.x versions and the ZENworks 24.4 version so that you can correctly determine how to meet them and at which point in the ZENworks upgrade process you will need to implement the required changes.

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**NOTE:** If you are using the ZENworks Virtual Appliance for your Primary Servers, refer to [“ZENworks Virtual Appliance” on page 10](#) for the requirements you need to consider before upgrading.

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For a detailed listing of Primary Server requirements for ZENworks 24.4, see [Primary Server Requirements](#).

## Operating System

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**NOTE:** ZENworks no longer supports Windows Server as a Primary Server from version 24.2 onwards. For more information, see [End of Windows Primary Server Support](#).

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The following table provides the list of supported operating systems for ZENworks versions:

Windows Operating System	ZENworks 2017.x	ZENworks 2020	ZENworks 2020.2	ZENworks 2020.3	ZENworks 23.3	ZENworks 23.4	ZENworks 24.2	ZENworks 24.4
Windows Server 2008	Yes	No	No	No	No	No	No	No
Windows Server 2008 R2	Yes	No	No	No	No	No	No	No

<b>Windows Operating System</b>	<b>ZENworks 2017.x</b>	<b>ZENworks 2020</b>	<b>ZENworks 2020.2</b>	<b>ZENworks 2020.3</b>	<b>ZENworks 23.3</b>	<b>ZENworks 23.4</b>	<b>ZENworks 24.2</b>	<b>ZENworks 24.4</b>
Windows Server 2012	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Windows Server 2012 R2	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Windows Server 2016	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Windows Server 2019	No	Yes	Yes	Yes	Yes	Yes	No	No
Windows Server 2022	No	No	Yes	Yes	Yes	Yes	No	No

<b>SUSE Operating System</b>	<b>ZENworks 2017.x</b>	<b>ZENworks 2020</b>	<b>ZENworks 2020.2</b>	<b>ZENworks 2020.3</b>	<b>ZENworks 23.3</b>	<b>ZENworks 23.4</b>	<b>ZENworks 24.2</b>	<b>ZENworks 24.4</b>
SLES 11 SP3	Yes	No	No	No	No	No	No	No
SLES 11 SP4	Yes	Yes	No	No	No	No	No	No
SLES 12 SP1	Yes	No	No	No	No	No	No	No
SLES 12 SP2	Yes	No	No	No	No	No	No	No
SLES 12 SP3	Yes	Yes	No	No	No	No	No	No
SLES 12 SP4	Yes	Yes	Yes	No	No	No	No	No
SLES 12 SP5	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SLES 15	No	Yes	Yes	Yes	No	No	No	No
SLES 15 SP1	No	Yes	Yes	No	No	No	No	No
SLES 15 SP2	No	No	Yes	Yes	No	No	No	No
SLES 15 SP3	No	No	Yes	Yes	Yes	Yes	Yes	Yes
SLES 15 SP4	No	No	No	Yes	Yes	Yes	Yes	Yes
SLES 15 SP5	No	No	No	No	Yes	Yes	Yes	Yes
SLES 15 SP6	No	No	No	No	No	No	No	Yes

If you find that you need to upgrade a Primary Server’s operating system, consider the following:

- ◆ In-place upgrades between major operating system versions are not supported. For example, you cannot upgrade from Windows Server 2016 to Windows Server 2019 with the Primary Server on the system as it will most likely result in issues with the Primary Server. Likewise, on SLES, you cannot upgrade from SLES 12 SP5 to SLES 15.



- ◆ If the Primary Server is on SLES, you can perform in-place upgrades of minor operating system versions. For example, you can upgrade from SLES 15 to SLES 15 SP4.
- ◆ If you are interested in moving to the ZENworks Virtual Appliance for your Primary Servers, once you are on ZENworks 2020 Update 2 or Update 3 you can move a Windows or Linux Primary Server to the Appliance. For information, see [Moving from a Windows or Linux Primary to Appliance](#).

## System Resources

RAM	ZENworks 2017.x	ZENworks 2020	ZENworks 2020.2	ZENworks 2020.3	ZENworks 23.3	ZENworks 23.4	ZENworks 24.2	ZENworks 24.4
Minimum	8 GB	16 GB	16 GB	16 GB	16 GB	16 GB	16 GB	16 GB
Recommended	12 GB	16 GB	16 GB	16 GB	16 GB	16 GB	16 GB	16 GB
Additional per every 3000 devices	1 GB	1 GB	1 GB	1 GB	1 GB	1 GB	1 GB	1 GB

CPU	ZENworks 2017.x	ZENworks 2020	ZENworks 2020.2	ZENworks 2020.3	ZENworks 23.3	ZENworks 23.4	ZENworks 24.2	ZENworks 24.4
Processor	2 GHz +	2 GHz +	2 GHz+	2 GHz+	2 GHz+	2 GHz+	2 GHz+	2 GHz+
Cores	2 GHz +	2 GHz +	Quad+	Quad+	Quad+	Quad+	Quad+	Quad+

Disk Space	ZENworks 2017.x	ZENworks 2020	ZENworks 2020.2	ZENworks 2020.3	ZENworks 23.3	ZENworks 23.4	ZENworks 24.2	ZENworks 24.4
Installation	20 GB	40 GB	2 GHz+	2 GHz+	40 GB	40 GB	40 GB	40 GB
Every 1000 devices	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB
Temp directory	500 MB	500 MB	500 MB	500 MB	500 MB	500 MB	500 MB	500 MB
ZENworks Database per every 1000 devices	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB
ZENworks Audit Database per every 5000 devices	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB

## Virtual Hypervisors

If you are hosting any Primary Servers in a virtual hypervisor, ensure that you can meet the supported hypervisor requirements at each stage of the upgrade.

Hypervisor	ZENworks 2017.x	ZENworks 2020	ZENworks 2020.2	ZENworks 2020.3	ZENworks 23.3	ZENworks 23.4	ZENworks 24.2	ZENworks 24.4
VMware Workstation	Yes (until 2017.2)	No	No	No	No	No	No	No
VMware ESXi 5.x	Yes (until 2017.2)	No	No	No	No	No	No	No
VMware ESXi 6.x	Yes	Yes	Yes	Yes	Yes	No	No	No
VMware ESXi 6.5.x	No	No	No	No	No	Yes	Yes	Yes
VMware ESXi 6.7.x	No	No	No	No	No	Yes	Yes	Yes
VMware ESXi 7.x	No	No	Yes	Yes	Yes	Yes	Yes	Yes
VMware ESXi 8.x	No	No	No	No	No	No	Yes	Yes
XEN on SLES 11	Yes (SP4)	Yes (SP4)	Yes (SP4)	Yes (SP4)	No	No	No	No
XEN on SLES 12	Yes (12, SP1, SP2, SP3)	Yes (SP3, SP4, SP5)	Yes (SP4, SP5)	Yes (SP4, SP5)	Yes (SP4, SP5)	Yes (SP3, SP4, SP5)	Yes (SP3, SP4, SP5)	Yes (SP3, SP4, SP5)
XEN on SLES 15	No	Yes (15, SP1)	Yes (15, SP1, SP2)	Yes (15, SP1, SP2, SP3, SP4)	Yes ( SP3, SP4, SP5)	Yes (SP3, SP4, SP5)	Yes (15, SP1, SP2, SP3, SP4, SP5)	Yes (15, SP1, SP2, SP3, SP4, SP5, SP6)
Microsoft Hyper-V Server	Yes (2012, 2012R2, 2016)	Yes (2012, 2012R2, 2016, 2019)	Yes (2012, 2012R2, 2016, 2019)	Yes (2012, 2012 R2, 2016, 2019)	Yes (2012, 2012 R2, 2016, 2019)	Yes (2012, 2012 R2, 2016, 2019)	Yes (2012, 2012 R2, 2016, 2019)	Yes (2012, 2012 R2, 2016, 2019)
Citrix XenServer/ Hypervisor	No	Yes (7.x, 8.x)	Yes (7.x, 8.x)	Yes (7.x, 8.x)	Yes (7.x, 8.x)	Yes (7.x, 8.x)	Yes (8.x)	Yes (8.x)
ProxMox	No	No	No	No	No	No	Yes	Yes

## ZENworks Virtual Appliance

The following table lists the requirements you need to consider if you are using the ZENworks Virtual Appliance for any Primary Servers. For a detailed listing of ZENworks Virtual Appliance for ZENworks 23.4, see [Virtual Appliance Requirements](#).

Requirement	ZENworks 2017.x	ZENworks 2020	ZENworks 2020.2	ZENworks 2020.3	ZENworks 23.3	ZENworks 23.4	ZENworks 24.2	ZENworks 24.4
Virtual Appliance Update Required	NA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Appliance OS	SLES 12 SP1	SLES 12 SP4	SLES 12 SP5	SLES 12 SP5	SLES 12 SP5	SLES 12 SP5	SLES 12 SP5	SLES 12 SP5
Supported Hypervisors	VMware ESXi 6.x  Microsoft Hyper-V Server Windows 2012, 2012 R2, and 2016  XEN on SLES 12 and the support packs	VMware ESXi 6.x  Microsoft Hyper-V Server Windows 2012, 2012 R2, 2016 and 2019  XEN on SLES 12, SLES 15 and the support packs  Citrix XenServer 7.x and Citrix Hypervisor 8.x	VMware ESXi 6.x  Microsoft Hyper-V Server Windows 2012, 2012 R2, 2016 and 2019  XEN on SLES 12, SLES 15 and the support packs  Citrix XenServer 7.x and Citrix Hypervisor 8.x	VMware ESXi 6.x  Microsoft Hyper-V Server Windows 2012, 2012 R2, 2016 and 2019  XEN on SLES 12, SLES 15 and the support packs  Citrix XenServer 7.x and Citrix Hypervisor 8.x	VMware ESXi 6.x, 7.x  Microsoft Hyper-V Server Windows 2012, 2012 R2, 2016 and 2019  XEN on SLES 12, SLES 15 and the support packs  Citrix XenServer 7.x and Citrix Hypervisor 8.x	VMware ESXi 7.x, 8.x  Microsoft Hyper-V Server Windows 2012, 2012 R2, 2016 and 2019  XEN on SLES 12 SP3, SP4, SP5, and SLES 15 SP1, SP2, SP3, SP4, SP5  Citrix XenServer 7.x and Citrix Hypervisor 8.x	VMware ESXi 7.x, 8.x  Microsoft Hyper-V Server Windows 2012, 2012 R2, 2016 and 2019  XEN on SLES 12 SP3, SP4, SP5, and SLES 15 SP1, SP2, SP3, SP4, SP5  Citrix XenServer 8.x  Yes (8.x)  Proxmox (8.x)	VMware ESXi 7.x, 8.x  Microsoft Hyper-V Server Windows 2012, 2012 R2, 2016 and 2019  XEN on SLES 12 SP3, SP4, SP5, and SLES 15 SP1, SP2, SP3, SP4, SP5, SP6  Citrix XenServer 8.x  Yes (8.x)  Proxmox (8.x)
RAM (Minimum)	8 GB	16 GB	16 GB	16 GB	16 GB	16 GB	16 GB	16 GB
Additional RAM per every 3000 devices	1 GB	1 GB	1 GB	1 GB	1 GB	1 GB	1 GB	1 GB
Processor	2 GHz +	2 GHz +	2 GHz+	2 GHz+	2 GHz+	2 GHz+	2 GHz+	2 GHz+
Cores	2 GHz +	2 GHz +	Quad+	Quad+	Quad+	Quad+	Quad+	Quad+
Disk Space per every 1000 devices	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB

Requirement	ZENworks 2017.x	ZENworks 2020	ZENworks 2020.2	ZENworks 2020.3	ZENworks 23.3	ZENworks 23.4	ZENworks 24.2	ZENworks 24.4
Disk Space - Temp directory	500 MB	500 MB	500 MB	500 MB	500 MB	500 MB	500 MB	500 MB
Disk Space - ZENworks Database per every 1000 devices	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB
Disk Space - ZENworks Audit Database per every 5000 devices	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB	10 GB

## Database

The following tables list the supported database types and versions. For a detailed listing of the database requirements for ZENworks 24.4, see [Database Requirements \(https://www.novell.com/documentation/zenworks-24.2/zen\\_system\\_requirements/data/zen\\_system\\_requirements.html#database\\_requirements\)](https://www.novell.com/documentation/zenworks-24.2/zen_system_requirements/data/zen_system_requirements.html#database_requirements).

**NOTE:** Support for Sybase has been discontinued from ZENworks 2020 onwards. You will not be able to upgrade a ZENworks 2017 zone with Sybase to ZENworks 2020 before migrating the database to PostgreSQL.

Sybase/ PostgreSQL	ZENworks 2017.x	ZENworks 2020	ZENworks 2020.2	ZENworks 2020.3	ZENworks 23.3	ZENworks 23.4	ZENworks 24.2	ZENworks 24.4
Embedded Sybase	Yes	No	No	No	No	No	No	No
Sybase Anywhere 17	Yes	No	No	No	No	No	No	No
Embedded PostgreSQL(max 5000 devices)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes, requires migration to version 16.x prior to update
External PostgreSQL(max 20000 devices)	Yes	Yes (v11.x & 12.x except for v11.2)	Yes (v11.x & 12.x except for v11.2)	Yes 11.x (Except for 11.2), 12.x, 13.x, 14.x	Yes 11.x (Except for 11.2), 12.x, 13.x, 14.x, 15x	Yes 12.x, 13.x, 14.x, 15x, 16x	Yes 12.x, 13.x, 14.x, 15x, 16x	Yes 12.x, 13.x, 14.x, 15x, 16x

<b>MSSQL</b>	<b>ZENworks 2017.x</b>	<b>ZENworks 2020</b>	<b>ZENworks 2020.2</b>	<b>ZENworks 2020.3</b>	<b>ZENworks 23.3</b>	<b>ZENworks 23.4</b>	<b>ZENworks 24.2</b>	<b>ZENworks 24.4</b>
MSSQL 2008 SP3+ including Cluster	Yes	No	No	No	No	No	No	No
MSSQL 2008 R2 including Cluster	Yes	No	No	No	No	No	No	No
MSSQL 2012 SP3+ including Cluster	Yes	Yes	Yes	Yes	No	No	No	No
MSSQL 2014 including Cluster	Yes	Yes (SP2 and later)	Yes (SP2 and later)	Yes (SP2 and later)	Yes (SP2 and later)	Yes (SP2 and later)	Yes (SP2 and later)	Yes (SP2 and later)
MSSQL 2016 including Cluster	Yes (2016)	Yes (2016, SP0, & SP1)	Yes (2016, SP0, & SP1)	Yes (2016, SP0, & SP1)	Yes (2016, SP1 and later)	Yes (2016, 2016 SP1)	Yes (2016, 2016 SP1)	Yes (2016, 2016 SP1)
MSSQL 2017 including Cluster	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MSSQL 2019	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MSSQL 2022	No	No	No	No	Yes	Yes	Yes	Yes

<b>Oracle</b>	<b>ZENworks 2017.x</b>	<b>ZENworks 2020</b>	<b>ZENworks 2020.2</b>	<b>ZENworks 2020.3</b>	<b>ZENworks 23.3</b>	<b>ZENworks 23.4</b>	<b>ZENworks 24.2</b>	<b>ZENworks 24.4</b>
Oracle 11g R2 (v11.2.0.4)	Yes	No	No	No	No	No	No	No
Oracle 12c R1 (v12.1.0.2)	Yes	Yes	Yes	Yes	No	No	No	No
Oracle 12c R2 (v12.2.0.1)	Yes	Yes	Yes	Yes	No	No	No	No
Oracle 18c R1 including Cluster and RAC	No	Yes	Yes	Yes	No	No	No	No
Oracle 19c including Cluster and RAC	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Oracle	ZENworks 2017.x	ZENworks 2020	ZENworks 2020.2	ZENworks 2020.3	ZENworks 23.3	ZENworks 23.4	ZENworks 24.2	ZENworks 24.4
Oracle 20c including Cluster and RAC	No	No	Yes	Yes	No	No	No	No
Oracle 21c including Cluster and RAC	No	No	No	No	Yes	Yes	Yes	Yes
Oracle 23 ai	No	No	No	No	No	No	No	Yes

If you find that you need to upgrade the database, consider the following:

- ♦ If you are using the Sybase database, migrate to the PostgreSQL database first. For information, see [Database Migration from Sybase to PostgreSQL](#).
- ♦ If you are using an external database, you need to upgrade or migrate the external database to the supported latest version before upgrading the Primary Server.

## Satellites

A Satellite must meet the minimum requirements for a managed device. Refer to the [Managed Devices](#) section for those requirements.

## Managed Devices

The following sections show the operating systems supported as Windows, Linux, and Mac managed devices. For a detailed listing of managed device requirements, see [Managed Devices](#) section in [System Requirements](#).

### Windows Managed Devices

Windows Servers	ZENworks 2017.x	ZENworks 2020.1	ZENworks 2020.2	ZENworks 2020.3	ZENworks 23.3	ZENworks 23.4	ZENworks 24.2	ZENworks 24.4
Windows Server 2008 R2 SP1	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Windows Server 2008 R2	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Windows Server 2008 SP2	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Windows Server 2012	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

<b>Windows Servers</b>	<b>ZENworks 2017.x</b>	<b>ZENworks 2020.1</b>	<b>ZENworks 2020.2</b>	<b>ZENworks 2020.3</b>	<b>ZENworks 23.3</b>	<b>ZENworks 23.4</b>	<b>ZENworks 24.2</b>	<b>ZENworks 24.4</b>
Windows Server 2012 R2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Windows Server 2016	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Windows Server 2019	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Windows Server 2022	No	No	No	Yes	Yes	Yes	Yes	Yes

<b>Windows Workstations</b>	<b>ZENworks 2017.x</b>	<b>ZENworks 2020</b>	<b>ZENworks 2020.2</b>	<b>ZENworks 2020.3</b>	<b>ZENworks 23.3</b>	<b>ZENworks 23.4</b>	<b>ZENworks 24.2</b>	<b>ZENworks 24.4</b>
Windows 7 SP1	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Windows Embedded 7 SP1	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Windows 8	Yes	Yes	Yes	No	No	No	No	No
Windows Embedded 8	Yes	Yes	Yes	No	No	No	No	No
Windows 8.1 Enterprise and Professional	Yes	Yes	Yes	No	No	No	No	No
Windows Embedded 8.1	Yes	No	Yes	No	No	No	No	No
Windows 10	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Windows 10 IoT	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Windows 10 upto 22 H2	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Windows 11 22H2	No	No	No	Yes	Yes	Yes	Yes	Yes
Windows 11 23H2	No	No	No	No	No	Yes	Yes	Yes
Windows 11 24H2	No	No	No	No	No	No	No	Yes
Windows 2019 Server	No	No	No	Yes	Yes	Yes	Yes	Yes

<b>Windows Workstations</b>	<b>ZENworks 2017.x</b>	<b>ZENworks 2020</b>	<b>ZENworks 2020.2</b>	<b>ZENworks 2020.3</b>	<b>ZENworks 23.3</b>	<b>ZENworks 23.4</b>	<b>ZENworks 24.2</b>	<b>ZENworks 24.4</b>
Windows 2022 Server	No	No	No	No	No	Yes	Yes	Yes
Windows Embedded 10	Yes	No	No	No	No	No	No	No
Windows XP SP3	Yes	Yes	Yes	Yes	Yes	Yes	No	No

## Linux Managed Devices

<b>SUSE Operating System</b>	<b>ZENworks 2017.x</b>	<b>ZENworks 2020</b>	<b>ZENworks 2020.2</b>	<b>ZENworks 2020.3</b>	<b>ZENworks 23.3</b>	<b>ZENworks 23.4</b>	<b>ZENworks 24.2</b>	<b>ZENworks 24.4</b>
SLES 11 SP3	Yes	No	No	No	No	No	No	No
SLES 11 SP4	Yes	Yes	No	Yes	No	No	No	No
SLES 12 SP1	Yes	No	No	No	No	No	No	No
SLES 12 SP2	Yes	No	No	No	No	No	No	No
SLES 12 SP3	Yes	Yes	No	No	No	No	No	No
SLES 12 SP4	Yes	Yes	Yes	Yes	No	No	No	No
SLES 12 SP5	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SLES 15	No	Yes	Yes	Yes	No	No	No	No
SLES 15 SP1	No	Yes	Yes	Yes	No	No	No	No
SLES 15 SP2	No	No	Yes	Yes	No	No	No	No
SLES 15 SP3	No	No	Yes	Yes	Yes	Yes	Yes	Yes
SLES 15 SP4	No	No	No	Yes	Yes	Yes	Yes	Yes
SLES 15 SP5	No	No	No	No	Yes	Yes	Yes	Yes
SLES 15 SP6	No	No	No	No	No	No	No	Yes

## Mac Managed Devices

<b>Macintosh Operating System</b>	<b>ZENworks 2017.x</b>	<b>ZENworks 2020</b>	<b>ZENworks 2020.2</b>	<b>ZENworks 2020.3</b>	<b>ZENworks 23.3</b>	<b>ZENworks 23.4</b>	<b>ZENworks 24.2</b>	<b>ZENworks 24.4</b>
Macintosh 10.8.3 (Mountain Lion)	Yes	Yes	Yes	Yes	Yes	No	No	No



Macintosh Operating System	ZENworks 2017.x	ZENworks 2020	ZENworks 2020.2	ZENworks 2020.3	ZENworks 23.3	ZENworks 23.4	ZENworks 24.2	ZENworks 24.4
Macintosh 10.9.x (Mavericks)	Yes	Yes	Yes	Yes	Yes	No	No	No
Macintosh 10.10.x (Yosemite)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Macintosh 10.11.x (El Capitan)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Macintosh 10.12.x (Sierra)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Macintosh 10.13.x (High Sierra)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Macintosh 10.14.x (Mojave)	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Macintosh 10.15.x (Catalina)	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Macintosh 11.x (Big Sur)	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Macintosh 12.x (Monterey)	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Macintosh 13.x (Ventura)	No	No	No	No	Yes	Yes	Yes	Yes
Macintosh 14.x (Sonoma)	No	No	No	No	No	No	Yes	Yes

## User Sources and Certificates

In general, you should not encounter any requirements issues related to user sources and certificates as you move through the upgrade. The following table summarizes key requirements. For a detailed listing of user source requirements, see [User Source Requirements](#).

Requirement	ZENworks 2017.x	ZENworks 2020	ZENworks 2020.2	ZENworks 2020.3	ZENworks 23.3	ZENworks 23.4	ZENworks 24.2	ZENworks 24.4
LDAP Version	LDAP v3	LDAP v3	LDAP v3	LDAP v3	LDAP v3	LDAP v3	LDAP v3	LDAP v3
LDAP Authentication	Simple Bind	Simple Bind	Simple Bind	Simple Bind	Simple Bind	Simple Bind	Simple Bind	Simple Bind

Requirement	ZENworks 2017.x	ZENworks 2020	ZENworks 2020.2	ZENworks 2020.3	ZENworks 23.3	ZENworks 23.4	ZENworks 24.2	ZENworks 24.4
eDirectory User Source	v8.7.3, 8.8, 9.0	v8.7.3, 8.8, 9.0	v8.7.3, 8.8, 9.0	v8.7.3, 8.8, 9.0	v8.7.3, 8.8, 9.0	v8.7.3, 8.8, 9.0	v8.7.3, 8.8, 9.0	v8.7.3, 8.8, 9.0
Microsoft ActiveDirectory User Source	Shipped with Win2000SP 4 or later	Shipped with Win2000SP 4 or later	Shipped with Win2000SP 4 or later	Shipped with Win2000S P4 or later	Shipped with Win2000S P4 or later	Shipped with Win2000S P4 or later	Shipped with Win2000S P4 or later	Shipped with Win2000S P4 or later
Domain Services for Windows User Source	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CA Certificate	SHA1digest 1-10 yrs	SHA1digest 1-10 yrs	SHA1digest 1-10 yrs	SHA1 digest 1-10 yrs	SHA1 digest 1-10 yrs	SHA1 digest 1-10 yrs	SHA1 digest 1-10 yrs	SHA1 digest 1-10 yrs
Primary Server Certificates	SHA1digest 1-10 yrs	SHA1digest 1-10 yrs	SHA1digest 1-10 yrs	SHA1 digest 1-10 yrs	SHA1 digest 1-10 yrs	SHA1 digest 1-10 yrs	SHA1 digest 1-10 yrs	SHA1 digest 1-10 yrs
MDM Server Certificates	NA	SHA-2 Signature 1-2 yrs	SHA-2 Signature 1-2 yrs	SHA-2 Signature 1-2 yrs	SHA-2 Signature 1-2 yrs	SHA-2 Signature 1-2 yrs	SHA-2 Signature 1-2 yrs	SHA-2 Signature 1-2 yrs
Azure Active Directory	No	No	No	No	Yes	Yes	Yes	Yes

## Reporting Server

The following table shows the Reporting Server versions provided in each release and the ZENworks versions supported by each Reporting Server.

Reporting Server	ZENworks 2017.x	ZENworks 2020	ZENworks 2020.2	ZENworks 2020.3	ZENworks 23.3	ZENworks 23.4	ZENworks 24.2	ZENworks 24.4
Version	v6.2, 6.3.2, 6.4.3, 6.4.4	v7.2	v7.5	v7.8	v8.1.1	v8.1.1	v8.1.1	v8.1.1
Backward Compatibility	NA	2017.x	2020.x, 2017.x	2020.x, 2017.x	2020.x	2020.x	2020.x	2020.x

As you plan your upgrade, note that ZENworks Reporting does not support the PostgreSQL database until ZENworks 2020.

## Upgrade from ZENworks 2017.x to ZENworks 2020

The first step in upgrading your ZENworks 2017.x system is to upgrade to ZENworks 2020. To do so, complete the following tasks:

- Make sure you have downloaded the ZENworks 2020 software and licenses. For instructions, refer to [“Software and Licenses Download \(SLD\)” on page 2](#).

- ❑ Perform any hardware, operating system, database, or software upgrades that are required before this step of the ZENworks upgrade. Refer to [“System Requirements Considerations” on page 7](#) to help make this determination and [Understanding the Upgrade Order](#) for additional instructions.
- ❑ Upgrade your Primary Servers. For instructions, see [Upgrading the Primary Servers to ZENworks 2020](#).  
Or
- ❑ If you are using the ZENworks Virtual Appliance, migrate our appliances. For instructions, see [Appliance Migration](#).
- ❑ Upgrade your Satellites. For instructions, see [Updating Satellites and Managed Devices to ZENworks 2020](#).

## Upgrade from ZENworks 2020 to ZENworks 2020 Update 2

The second step in upgrading your ZENworks 2017.x system is to upgrade to ZENworks 2020 Update 2. To do so, complete the following tasks:

- ❑ Make sure you have downloaded the ZENworks 2020 Update 2 software. For instructions, refer to [“Software and Licenses Download \(SLD\)” on page 2](#).
- ❑ Perform any hardware, operating system, database, or software upgrades that are required before this step of the ZENworks upgrade. Refer to [“System Requirements Considerations” on page 7](#) to help make this determination and [Understanding the Upgrade Order](#) for additional instructions.
- ❑ Upgrade your Primary Servers. For instructions, see [Upgrading or Migrating the Primary Servers](#) and [Upgrading Linux and Windows Primary Servers to ZENworks 2020 Update 2](#) [Upgrading Linux and Windows Primary Servers to ZENworks 2020 Update 2](#).
- ❑ If you are using the ZENworks Virtual Appliance, migrate our appliances. For instructions, see [Appliance Migration](#).
- ❑ Upgrade your Satellites. For instructions, see [Updating Satellites and Managed Devices to ZENworks 2020 Update 2](#).

## Upgrade from ZENworks 2020 Update 2 | Update 3 | 23.3 to ZENworks 23.4

To upgrade ZENworks 2020 Update 2 or ZENworks 2020 Update 3 or ZENworks 23.3 to ZENworks 23.4, complete the following tasks:

- ❑ Make sure you have downloaded the ZENworks 23.4 software. For instructions, refer to [“Software and Licenses Download \(SLD\)” on page 2](#).
- ❑ Perform any hardware, operating system, database, or software upgrades that are required before this step of the ZENworks upgrade. Refer to [“System Requirements Considerations” on page 7](#) to help make this determination.
- ❑ To initiate the upgrade process, import the system update from the .zip file or directory into the Zone using the system update entitlement. For instructions, see [From Software and Licenses Download \(SLD\)](#)
- ❑ Upgrade your Primary Servers. For instructions, see [ZENworks System Updates Reference](#).
- ❑ Upgrade your Satellites. For instructions, see [Updating Satellites and Managed Devices to ZENworks 23.4](#).
- ❑ Upgrade your managed devices. For instructions, see [Updating Satellites and Managed Devices to ZENworks 23.4](#).

# Upgrade from ZENworks 23.4 | 24.2 to ZENworks 24.4

To upgrade ZENworks 23.4 or 24.2 to ZENworks 24.4, complete the following tasks:

- Make sure to migrate all Windows Primary Servers to the ZENworks Appliance before upgrading to ZENworks 24.4. For more information, see [End of Windows Primary Server Support](#).  
  
To migrate the Windows Primary server to the ZENworks appliance, use the [Windows to Appliance Migration](#) tool.
- Make sure you have downloaded the ZENworks 24.4 software. For instructions, refer to “[Software and Licenses Download \(SLD\)](#)” on page 2.
- Make sure you upgrade to PostgreSQL 16.x if using Embedded PostgreSQL as the database before performing the system update. You can use the PostgreSQL Upgrade tool to upgrade to PostgreSQL 16.x. For more information, see [Upgrading Embedded PostgreSQL Database](#).
- Perform any hardware, operating system, database, or software upgrades that are required before this step of the ZENworks upgrade. Refer to “[System Requirements Considerations](#)” on page 7 to help make this determination.
- To initiate the upgrade process, import the system update from the .zip file or directory into the Zone using the system update entitlement. For instructions, see [From Software and Licenses Download \(SLD\)](#).
- Upgrade your Primary Servers. For instructions, see [ZENworks System Updates Reference](#).
- Upgrade your Satellites. For instructions, see [Updating Satellites and Managed Devices to ZENworks 24.4](#).
- Upgrade your managed devices. For instructions, see [Updating Satellites and Managed Devices to ZENworks 24.4](#).

## Additional Information

### ZENworks Documentation References

- ◆ [ZENworks 24.4 Documentation](#)
- ◆ [ZENworks 24.2 Documentation](#)
- ◆ [ZENworks 23.4 Documentation](#)
- ◆ [ZENworks 23.3 Documentation](#)
- ◆ [ZENworks 2020 Update 3 Documentation](#)
- ◆ [ZENworks 2020 Update 2 Documentation](#)
- ◆ [ZENworks 2020 Update 1 Documentation](#)
- ◆ [ZENworks 2020 Documentation](#)
- ◆ [ZENworks 2017 Documentation](#)
- ◆ [Micro Focus Knowledge Base](#)

### ZENworks Video References

- ◆ [On-Demand Webinars](#)
- ◆ [Micro Focus ZENworks Highlights Series](#)
- ◆ [ZENworks Appliance Administration Console Tour](#)

- ◆ [ZENworks Database Migration Options - Details and Logging](#)
- ◆ [ZENworks Database Migration Tool - Demo Migrating 2017 \(or ZENworks 2020\) external MSSQL \(or Oracle\) to internal PostgreSQL using the DB Migration Tool](#)
- ◆ [ZENworks 2020 Primary Server upgrade from ZENworks 2017](#)
- ◆ [ZENworks 2020 Appliance upgrade from ZENworks 2017](#)
- ◆ [More Video References in the ZENworks 2020 Documentation](#)

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