

# Backup Exec 21 - 21.x Software Compatibility List (SCL)

Updated on November 29, 2022

[Click here for the HTML version of this document. <https://download.veritas.com/resources/content/live/OSVC/100046000/100046610/en\\_US/be\\_21\\_scl.html>](https://download.veritas.com/resources/content/live/OSVC/100046000/100046610/en_US/be_21_scl.html)

# Introduction

This document lists the available operating systems, platforms, and applications specifically supported by Veritas to be compatible with Backup Exec™ 21.

The following guidelines regarding this Software Compatibility List (SCL) should be understood:

- **Veritas support of 3rd party manufacturer products:**

Veritas will cooperate with 3rd party vendors and attempt to assist in the diagnosis of problems found between the 3rd party products and Veritas products. Veritas Technical Support, for the combination of Veritas and 3rd party products listed in this document, is conditional on the 3rd party product being supported by the original manufacturer or vendor. If the original vendor has ceased providing support for a version of their product, Veritas also will no longer be able to provide support on that product in combination with our products.

- **Minor update version support:**

The contents of this document including 3rd party applications, databases, operating systems, in combination with Veritas products represent what has been tested in Veritas labs, or in Veritas-supervised partner labs, but is not intended to be a complete list of supported products and versions. Manufacturers of these products may frequently release minor version updates to their products as maintenance during their product's normal life cycle. (e.g. version 1.x.x.x) that may not be explicitly listed in this document. In these situations where the base or major version of the product is listed as supported in this document but the minor maintenance update is not, Veritas will provide "reasonable effort" support on these versions until specific testing of them has completed.

- **Not every combination of software and hardware has been tested:**

Veritas provides reasonable effort to qualify Backup Exec with as many different operating systems, service packs, hardware platforms, database application service packs, and other applications as possible. However, due to the number of combinations, it is not possible to test all combinations for compatibility. If a particular service pack or version is not listed as specifically supported by Veritas, it may work fine but it has not been explicitly tested by Veritas with Backup Exec and may not be eligible for support.

- **Alternative Configurations:**

Our Licensed Software is designed to interoperate with many types of systems, applications, and hardware. Sometimes a customer may choose to use our Licensed Software in an "Alternative Configuration", namely, an environment that has not been validated, approved, or verified to operate with our Licensed Software or which does not support such Licensed Software or only supports limited functionality. Veritas does not support Alternative Configurations, and we have no obligation to provide Support Services to Licensed Software in an Alternative Configuration. Veritas makes no warranty with respect to use of Licensed Software in an Alternative Configuration and any such use is at your own risk. A "Supported Configuration" might be converted into an Alternative Configuration where a vendor modifies one of its components that is part of the original Supported Configuration. As a consequence, your Licensed Software would then be operating in an Alternative Configuration. If you experience a problem with the Licensed Software in an Alternative Configuration or if your issue deals with script that was not developed by Veritas or an authorized consulting partner, then we may ask you to reproduce the problem in a Supported Configuration environment. Please note we have no obligation to attempt to resolve problems that cannot be replicated in a Supported Configuration. However, if the problem can be replicated in a Supported Configuration, we will investigate the problem in that Supported Configuration and attempt to resolve it. If the problem cannot be replicated in a Supported Configuration, then Veritas has no obligation to investigate or attempt to resolve the problem.

- **What's New**

This document reflects updates for Backup Exec 21.4

For details about Backup Exec 21.4, see: <[https://www.veritas.com/content/support/en\\_US/doc/125172030-152268048-1](https://www.veritas.com/content/support/en_US/doc/125172030-152268048-1)>

## Contents

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<u>Software Compatibility List Updates</u>	<u>Getting Started</u>	<u>Backup Exec Server Operating System Compatibility</u>
<u>Agent Operating System Compatibility</u>	<u>Agent for Applications and Databases Compatibility</u>	<u>Agent for VMware and Hyper-V Compatibility</u>
<u>Cloud File Share Compatibility</u>	<u>Backup Exec Upgrade Compatibility</u>	<u>Backup Exec Feature Specific Compatibility</u>
<u>3rd Party Software Compatibility</u>	<u>End-of-Life information</u>	

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# Software Compatibility List Updates

**Notes:**

- For more details about the platform, please refer to the respective section of the platform.

Description of change	Date	Backup Exec version start of support
Backup Exec GA 21.2	03/01/2021	Backup Exec 21.2
Added support for Exchange 2016 CU19	03/31/2021	Backup Exec 21.2
Added support for Oracle 18.13	04/16/2021	Backup Exec 21.2
Backup Exec GA 21.2 R2	05/03/2021	Backup Exec 21.2 R2
Agent support for Oracle Linux 7.8	05/06/2021	Backup Exec 21.2 R2
Agent support for Oracle Linux 7.9	05/06/2021	Backup Exec 21.2 R2
Added support for Exchange 2019 CU9	05/20/2021	Backup Exec 21.2 R2
Agent support for SUSE 12 SP5	05/20/2021	Backup Exec 21.2 R2
Added support for Exchange 2016 CU20	05/28/2021	Backup Exec 21.2 R2
Added support for Exchange 2019 CU10	08/09/2021	Backup Exec 21.2 R2
Backup Exec GA 21.3	09/06/2021	Backup Exec 21.3
Support for Microsoft Windows 2008, Windows Server 2008 R2, Windows SBS Server 2011 and Windows 7 phased out in Backup Exec 21.3	09/06/2021	-
Support for Microsoft Windows Server 2008 / Windows Server 2008 R2 for Hyper-V phased out in Backup Exec 21.3	09/06/2021	-
Support for Exchange 2010 phased out in Backup Exec 21.3	09/06/2021	-
Added support for Exchange 2016 CU21	09/21/2021	Backup Exec 21.3
Agent for VMware Compatibility - vSphere 7.0 update 3	10/18/2021	Backup Exec 21.3
Support for Windows 11	11/03/2021	Backup Exec 21.3
Added support for Exchange 2016 CU22	11/16/2021	Backup Exec 21.3
Added support for Exchange 2019 CU11	11/16/2021	Backup Exec 21.3
Agent support for Redhat Linux 8.4 without AOFO	11/26/2021	Backup Exec 21.3
Agent support for Oracle Linux 8.4	11/26/2021	Backup Exec 21.3
Remote Media Agent for Redhat Linux 8.4	11/26/2021	Backup Exec 21.3
Backup Exec GA 21.4	12/06/2021	Backup Exec 21.4
Agent support for CentOS 8.4	12/17/2021	Backup Exec 21.4
Agent support for Debian 11	12/17/2021	Backup Exec 21.4

# Getting Started

## Backup Exec Documentation

Item	Location
Backup Exec 21 Administrator's Guide	< <a href="https://www.veritas.com/content/support/en_US/doc/59226269-151786294-0/index">https://www.veritas.com/content/support/en_US/doc/59226269-151786294-0/index</a> >
Backup Exec 21 Command Line Interface Help Download	-
Backup Exec 21 Tuning and Performance Guide	< <a href="https://www.veritas.com/support/en_US/doc/40056030-152268074-1">https://www.veritas.com/support/en_US/doc/40056030-152268074-1</a> >
Backup Exec 21 Readme	< <a href="https://www.veritas.com/content/support/en_US/doc/59226813-151838355-0/index">https://www.veritas.com/content/support/en_US/doc/59226813-151838355-0/index</a> >
Backup Exec Subscription Licensing Guide	-
Hardware and Cloud Storage Compatibility List (HCL)	< <a href="https://www.veritas.com/content/support/en_US/doc/BE_21_HCL">https://www.veritas.com/content/support/en_US/doc/BE_21_HCL</a> >

### Supported languages for the Backup Exec

- Backup Exec supports only the following languages. No other combination of Backup Exec and operating system language configurations are tested or qualified.

Languages
Chinese (Simplified), Chinese (Traditional), English, French, German, Italian, Japanese, Korean, Brazilian Portuguese, Russian, Spanish

### Minimum System Requirements

Items	Requirements
<b>Operating System</b>	<p>The Backup Exec Server can only be installed on 64 bit OS platforms.</p> <p>You cannot install a Backup Exec server on a computer that runs the Windows Server Core installation option of Windows Server. You can only install the Backup Exec Agent for Windows on Server Core computers.</p> <p>You cannot install SQL Express or SQL Server on a Windows Server 2012 computer that is configured in a Read Only Domain Controller (RODC) role. The Read Only Domain Controller role does not let you use the local accounts that are required for SQL Express and SQL Server. When you install Backup Exec on an RODC computer you must select a remote SQL instance for the Backup Exec Database.</p> <p>For Windows Server 2012 and later computers, you cannot install Backup Exec or the Agent for Windows on a volume that is enabled for deduplication in Windows or a ReFS volume.</p>
<b>Additional application support</b>	
<b>Internet Browser</b>	Internet Explorer 9 or later, or enable Internet Explorer mode on Microsoft Edge Web Browser
<b>Processor</b>	Intel 64, Xeon (64bit), AMD64, or compatible

Items	Requirements
<b>Screen resolution</b>	1024 x 768
<b>Default instance database repository</b>	SQL Express 2014 SP3
<b>Memory</b>	<p>Required: 1GB RAM above the operating system's requirements for the exclusive use by Backup Exec.</p> <p>Recommended: 2 GB RAM (or more for better performance)</p> <p>Note: RAM requirements may vary depending on the operations performed, the options installed, and the specific computer configuration.</p> <p>For the Central Admin Server Option: 1 GB RAM is required; 2 GB RAM is recommended.</p> <p>System Recovery Disk: 1 GB minimum (dedicated) for the multi-lingual version.</p> <p>Virtual Memory Recommendations: 20 MB above the Windows recommended size for total paging file size (total for all disk volumes). Refer to your Microsoft Windows documentation for instructions on how to view or set the paging file size.</p> <p>For memory requirements for the Deduplication Option, you should review the topic 'Requirements for the Deduplication Option' in the Backup Exec Administrator's Guide.</p>
<b>Installation disk space</b>	<p>1.26 GB (Typical installation)</p> <p>1.91 GB (Includes all options)</p> <p>Note: Disk space requirements may vary depending on the operations performed, the options installed, and the specific system configuration. The Backup Exec Database and catalogs require additional space. An additional 525 MB is required for SQL Express. Any disk storage that you use also requires additional space.</p>
<b>Other Hardware</b>	<p>The following hardware is recommended:</p> <ul style="list-style-type: none"> <li>• Network interface card or a virtual network adapter card</li> <li>• CD/DVD drive</li> <li>• A mouse</li> </ul>
<b>Storage Hardware</b>	<p>You can use storage media drives, robotic libraries, removable storage devices, and non-removable hard drives.</p> <p>You can find a list of compatible types of storage at the following URL:</p> <p><a href="http://www.veritas.com/docs/000024527">http://www.veritas.com/docs/000024527</a></p> <p>Support is available for the first drive in each robotic library when you purchase Backup Exec. To enable support for each additional robotic library drive, you must purchase the Backup Exec Library Expansion Option.</p>

## Certifications

Name	Source
Certified for Windows Server 2016	Click to view a list of Backup Exec Windows Logo certifications: <a href="http://windowsservercatalog.com/results.aspx?&amp;bCatID=1372&amp;cpID=2038">http://windowsservercatalog.com/results.aspx?&amp;bCatID=1372&amp;cpID=2038</a>
FIPS 140-2	Click to view the validation certificate: <a href="http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/140crt/FIPS140ConsolidatedCertList0018.pdf">http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/140crt/FIPS140ConsolidatedCertList0018.pdf</a>

# Backup Exec Server Operating System Compatibility

## Windows Operating System Compatibility

Microsoft

### Microsoft - Windows Server 2012

Name	Version	Service Pack	CPU Architecture
Windows Server 2012	Datacenter		x86-64
Windows Server 2012	Essentials		x86-64
Windows Server 2012	Foundation		x86-64
Windows Server 2012	Standard		x86-64
Windows Server 2012	Storage Server		x86-64

### Microsoft - Windows Server 2012 R2

Name	Version	Service Pack	CPU Architecture
Windows Server 2012 R2	Datacenter		x86-64
Windows Server 2012 R2	Essentials		x86-64
Windows Server 2012 R2	Foundation		x86-64
Windows Server 2012 R2	Standard		x86-64
Windows Server 2012 R2	Storage Server		x86-64

## Microsoft - Windows Server 2016

Name	Version	Service Pack	CPU Architecture
Windows Server 2016	Datacenter		x86-64
Windows Server 2016	Essentials		x86-64
Windows Server 2016	Standard		x86-64
Windows Server 2016	Storage Server		x86-64

## Microsoft - Windows Server 2019

Name	Version	Service Pack	CPU Architecture
Windows Server 2019	Datacenter		x86-64
Windows Server 2019	Essentials		x86-64
Windows Server 2019	Standard		x86-64

## Microsoft - Windows Server 2022

Name	Version	Service Pack	CPU Architecture
Windows Server 2022 [1] [2]	Datacenter		x86-64
Windows Server 2022 [1] [2]	Standard		x86-64

1. For VMWare Agent, the version of the VMware VDDK library used in this Backup Exec version does not support Windows Server 2022 as a backup host. However, our tests show that VMWare Agent backup/restore works fine in the majority of the cases.

2. Refer to the Tech note <[https://www.veritas.com/support/en\\_US/article.100051947](https://www.veritas.com/support/en_US/article.100051947)> for installing the Backup Exec on Windows 2022

# Agent Operating System Compatibility

## Agent for Windows Compatibility

### Notes:

- Backup Exec 16 and 20 Agents are backwards compatible with Backup Exec 21 servers for the purpose of upgrades only. This configuration is not recommended or supported for extended periods. Every effort should be made to get all Backup Exec components to the same version as soon as possible.
- The Windows Operating Systems listed below are supported using both the Full version and Server Core version, where applicable.

### Microsoft

#### Microsoft - Windows 8

Name	Version	Service Pack	CPU Architecture
Windows 8	Enterprise		x86-32, x86-64
Windows 8	Pro		x86-32, x86-64

#### Microsoft - Windows 8.1

Name	Version	Service Pack	CPU Architecture
Windows 8.1	Enterprise		x86-32, x86-64
Windows 8.1	Pro		x86-32, x86-64

#### Microsoft - Windows 10

Name	Version	Service Pack	CPU Architecture
Windows 10	Enterprise		x86-32, x86-64
Windows 10	Enterprise	20H2	x86-32, x86-64
Windows 10	Enterprise	1709	x86-32, x86-64
Windows 10	Enterprise	1803	x86-32, x86-64
Windows 10	Enterprise	1809	x86-32, x86-64
Windows 10	Enterprise	1903	x86-32, x86-64



## Microsoft - Windows 10

Name	Version	Service Pack	CPU Architecture
Windows 10	Enterprise	1909	x86-32, x86-64
Windows 10	Enterprise	2004	x86-32, x86-64
Windows 10	Enterprise	2009	x86-32, x86-64
Windows 10	Pro		x86-32, x86-64
Windows 10	Pro	20H2	x86-32, x86-64
Windows 10	Pro	1709	x86-32, x86-64
Windows 10	Pro	1803	x86-32, x86-64
Windows 10	Pro	1809	x86-32, x86-64
Windows 10	Pro	1903	x86-32, x86-64
Windows 10	Pro	1909	x86-32, x86-64
Windows 10	Pro	2004	x86-32, x86-64
Windows 10	Pro	2009	x86-32, x86-64

## Microsoft - Windows 10 LTSB 2016

Name	Version	Service Pack	CPU Architecture
Windows 10 LTSB 2016	Enterprise	1607	x86-32, x86-64
Windows 10 LTSB 2016	Pro	1607	x86-32, x86-64

## Microsoft - Windows 10 LTSC 2019

Name	Version	Service Pack	CPU Architecture
Windows 10 LTSC 2019	Enterprise	1809	x86-32, x86-64
Windows 10 LTSC 2019	Pro	1809	x86-32, x86-64

## Microsoft - Windows 11

Name	Version	Service Pack	CPU Architecture
Windows 11	Enterprise		x86-64
Windows 11	Pro		x86-64

## Microsoft - Windows Server 2012

Name	Version	Service Pack	CPU Architecture
Windows Server 2012	Datacenter		x86-64
Windows Server 2012	Essentials		x86-64
Windows Server 2012	Foundation		x86-64
Windows Server 2012	Standard		x86-64
Windows Server 2012	Storage Server		x86-64

## Microsoft - Windows Server 2012 R2

Name	Version	Service Pack	CPU Architecture
Windows Server 2012 R2	Datacenter		x86-64
Windows Server 2012 R2	Essentials		x86-64
Windows Server 2012 R2	Foundation		x86-64
Windows Server 2012 R2	Standard		x86-64
Windows Server 2012 R2	Storage Server		x86-64

## Microsoft - Windows Server 2016

Name	Version	Service Pack	CPU Architecture
Windows Server 2016	Datacenter		x86-64
Windows Server 2016	Essentials		x86-64
Windows Server 2016	Standard		x86-64
Windows Server 2016	Storage Server		x86-64

## Microsoft - Windows Server 2019

Name	Version	Service Pack	CPU Architecture
Windows Server 2019	Datacenter		x86-64
Windows Server 2019	Essentials		x86-64
Windows Server 2019	Standard		x86-64

## Microsoft - Windows Server 2022

Name	Version	Service Pack	CPU Architecture
Windows Server 2022	Datacenter		x86-64
Windows Server 2022	Standard		x86-64

## Microsoft - Windows Server Semi-Annual Channel

Name	Version	Service Pack	CPU Architecture
Windows Server Semi-Annual Channel	Windows Server 20H2		x86-64
Windows Server Semi-Annual Channel	Windows Server 1709		x86-64
Windows Server Semi-Annual Channel	Windows Server 1803		x86-64
Windows Server Semi-Annual Channel	Windows Server 1903		x86-64
Windows Server Semi-Annual Channel	Windows Server 1909		x86-64
Windows Server Semi-Annual Channel	Windows Server 2004		x86-64

# Agent for Linux Compatibility

**Notes:**

- File system support includes ext2, ext3, ext4, VxFS, REISER and JFS.
- The Remote Agent for Linux Servers (RALUS) does not support Linux servers that have been installed using the 'minimal' installation option.
- The Advanced Open File feature for Agent for Linux is supported only on select Red Hat Enterprise Linux (RHEL) and SUSE Enterprise Linux Server (SLES) platforms. Please refer to the RHEL and SLES footnotes to identify the supported versions.
- Some versions of Linux may require that you install the libstdc++.so.5 package. <<http://www.veritas.com/docs/TECH52256>>
- The Agent for Linux requires that the Linux server have Perl 5.8.8 or later installed.
- Backup Exec supports only the Remote Agent based protection of virtual machines configured on XenServer Hypervisor.

## Canonical

Name	Version	Service Pack	CPU Architecture
Ubuntu	14.04		x86-64
Ubuntu	16.04		x86-64
Ubuntu	18.04		x86-64
Ubuntu	19.04		x86-64
Ubuntu	19.10		x86-64
Ubuntu	20.04		x86-64

## Citrix

Name	Version	Service Pack	CPU Architecture
XenServer	7.2		x86-64
XenServer	7.6		x86-64
XenServer Express	8.0		x86-64
XenServer Express	8.1		x86-64
XenServer Express	8.2		x86-64

## Debian

Name	Version	Service Pack	CPU Architecture
GNU/Linux	9.0		x86-64
GNU/Linux	9.0	Update 4	x86-64
GNU/Linux	9.0	Update 8	x86-64
GNU/Linux	9.0	Update 9	x86-64
GNU/Linux	9.0	Update 10	x86-64
GNU/Linux	9.0	Update 11	x86-64
GNU/Linux	9.0	Update 12	x86-64
GNU/Linux	9.0	Update 13	x86-64
GNU/Linux	10		x86-64
GNU/Linux	10	Update 2	x86-64
GNU/Linux	10	Update 3	x86-64
GNU/Linux	10	Update 4	x86-64
GNU/Linux	10	Update 5	x86-64
GNU/Linux	10	Update 6	x86-64
GNU/Linux	10	Update 7	x86-64
GNU/Linux	11		x86-64

## Oracle

Name	Version	Service Pack	CPU Architecture
Linux	6		x86-64
Linux	6	Update 1	x86-64
Linux	6	Update 2	x86-64
Linux	6	Update 3	x86-64
Linux	6	Update 4	x86-64
Linux	6	Update 5	x86-64
Linux	6	Update 7	x86-64
Linux	6	Update 9	x86-64
Linux	6	Update 10	x86-64
Linux	7		x86-64

## Oracle

Name	Version	Service Pack	CPU Architecture
Linux	7	Update 1	x86-64
Linux	7	Update 2	x86-64
Linux	7	Update 3	x86-64
Linux	7	Update 4	x86-64
Linux	7	Update 5	x86-64
Linux	7	Update 6	x86-64
Linux	7	Update 7	x86-64
Linux	7	Update 8	x86-64
Linux	7	Update 9	x86-64
Linux [1] [2]	8		x86-64
Linux [1] [2]	8	Update 1	x86-64
Linux [1] [2]	8	Update 2	x86-64
Linux [1] [2]	8	Update 3	x86-64
Linux [1] [2]	8	Update 4	x86-64

1. Refer to the following Tech note for installing the Backup Exec Remote Agent for Linux (RALUS) on Oracle Linux 8.x [https://www.veritas.com/content/support/en\\_US/article.100046985.html](https://www.veritas.com/content/support/en_US/article.100046985.html)
2. Refer to the following Tech note for Push installation of Linux Agent on Oracle Linux 8.x [https://www.veritas.com/content/support/en\\_US/article.100047387.html](https://www.veritas.com/content/support/en_US/article.100047387.html)

## Red Hat

Name	Version	Service Pack	CPU Architecture
Enterprise Linux [1] [2]	6.0	Update 1	x86-64
Enterprise Linux [1] [2]	6.0	Update 2	x86-64
Enterprise Linux [1] [2]	6.0	Update 3	x86-64
Enterprise Linux [1] [2]	6.0	Update 4	x86-64
Enterprise Linux [1] [2]	6.0	Update 5	x86-64
Enterprise Linux [1] [2]	6.0	Update 6	x86-64
Enterprise Linux [1] [2]	6.0	Update 7	x86-64
Enterprise Linux [1] [2]	6.0	Update 8	x86-64
Enterprise Linux [1] [2]	6.0	Update 9	x86-64
Enterprise Linux [2]	6.0	Update 10	x86-64

## Red Hat

Name	Version	Service Pack	CPU Architecture
Enterprise Linux <a href="#">[1]</a> <a href="#">[2]</a> <a href="#">[3]</a>	7.0		x86-64
Enterprise Linux <a href="#">[1]</a> <a href="#">[2]</a> <a href="#">[3]</a>	7.0	Update 1	x86-64
Enterprise Linux <a href="#">[1]</a> <a href="#">[2]</a> <a href="#">[3]</a>	7.0	Update 2	x86-64
Enterprise Linux <a href="#">[1]</a> <a href="#">[2]</a> <a href="#">[3]</a>	7.0	Update 3	x86-64
Enterprise Linux <a href="#">[1]</a> <a href="#">[2]</a> <a href="#">[3]</a>	7.0	Update 4	x86-64
Enterprise Linux <a href="#">[1]</a> <a href="#">[2]</a> <a href="#">[3]</a>	7.0	Update 5	x86-64
Enterprise Linux <a href="#">[1]</a> <a href="#">[2]</a> <a href="#">[3]</a>	7.0	Update 6	x86-64
Enterprise Linux <a href="#">[1]</a> <a href="#">[2]</a> <a href="#">[3]</a>	7.0	Update 7	x86-64
Enterprise Linux <a href="#">[1]</a> <a href="#">[2]</a> <a href="#">[3]</a>	7.0	Update 8	x86-64
Enterprise Linux <a href="#">[2]</a> <a href="#">[3]</a>	7.0	Update 9	x86-64
Enterprise Linux <a href="#">[1]</a> <a href="#">[2]</a> <a href="#">[3]</a> <a href="#">[4]</a> <a href="#">[5]</a>	8.0		x86-64
Enterprise Linux <a href="#">[1]</a> <a href="#">[2]</a> <a href="#">[3]</a> <a href="#">[4]</a> <a href="#">[5]</a>	8.0	Update 1	x86-64
Enterprise Linux <a href="#">[1]</a> <a href="#">[2]</a> <a href="#">[3]</a> <a href="#">[4]</a> <a href="#">[5]</a>	8.0	Update 2	x86-64
Enterprise Linux <a href="#">[2]</a> <a href="#">[3]</a> <a href="#">[4]</a> <a href="#">[5]</a>	8.0	Update 3	x86-64
Enterprise Linux <a href="#">[2]</a> <a href="#">[3]</a> <a href="#">[4]</a> <a href="#">[5]</a>	8.0	Update 4	x86-64

1. Advanced Open File Option for Linux file system support includes XFS,ext2, ext3 and ext4.
2. Backup Exec client-side deduplication is supported for 64-bit Linux systems.
3. File system support includes XFS.
4. Refer to the following Tech note for installing the Backup Exec Remote Agent for Linux (RALUS) on Redhat 8.x [https://www.veritas.com/content/support/en\\_US/article.100046985.html](https://www.veritas.com/content/support/en_US/article.100046985.html)
5. Refer to the following Tech note for Push installation of Linux Agent on Redhat 8.x [https://www.veritas.com/content/support/en\\_US/article.100047387.html](https://www.veritas.com/content/support/en_US/article.100047387.html)

## SUSE

Name	Version	Service Pack	CPU Architecture
SUSE Linux Enterprise Server <a href="#">[1]</a> <a href="#">[2]</a>	11	SP1	x86-64
SUSE Linux Enterprise Server <a href="#">[1]</a> <a href="#">[2]</a>	11	SP2	x86-64
SUSE Linux Enterprise Server <a href="#">[1]</a> <a href="#">[2]</a>	11	SP3	x86-64
SUSE Linux Enterprise Server <a href="#">[1]</a> <a href="#">[2]</a>	11	SP4	x86-64
SUSE Linux Enterprise Server <a href="#">[1]</a> <a href="#">[2]</a> <a href="#">[3]</a> <a href="#">[4]</a>	12		x86-64
SUSE Linux Enterprise Server <a href="#">[1]</a> <a href="#">[2]</a> <a href="#">[3]</a> <a href="#">[4]</a>	12	SP1	x86-64

# SUSE

Name	Version	Service Pack	CPU Architecture
SUSE Linux Enterprise Server <a href="#">[1]</a> <a href="#">[2]</a> <a href="#">[3]</a> <a href="#">[4]</a>	12	SP2	x86-64
SUSE Linux Enterprise Server <a href="#">[1]</a> <a href="#">[2]</a> <a href="#">[3]</a> <a href="#">[4]</a>	12	SP3	x86-64
SUSE Linux Enterprise Server <a href="#">[1]</a> <a href="#">[2]</a> <a href="#">[3]</a> <a href="#">[4]</a>	12	SP4	x86-64
SUSE Linux Enterprise Server <a href="#">[2]</a> <a href="#">[4]</a> <a href="#">[5]</a>	12	SP5	x86-64
SUSE Linux Enterprise Server <a href="#">[2]</a> <a href="#">[5]</a>	15		x86-64
SUSE Linux Enterprise Server <a href="#">[2]</a> <a href="#">[5]</a>	15	SP1	x86-64
SUSE Linux Enterprise Server <a href="#">[2]</a> <a href="#">[5]</a>	15	SP2	x86-64

1. Advanced Open File Option for Linux file system support includes XFS,ext2, ext3 and ext4.
2. Backup Exec client-side deduplication is supported for 64-bit Linux systems.
3. Advanced Open File Option is not supported for BTRFS.
4. File system support includes Btrfs.( Backup jobs will complete with exception )
5. Advanced Open File Option is not supported.

# The CentOS Project

Name	Version	Service Pack	CPU Architecture
CentOS	6.7		x86-64
CentOS	6.10		x86-64
CentOS	7.0		x86-64
CentOS	7.1		x86-64
CentOS	7.3		x86-64
CentOS	7.5		x86-64
CentOS	7.6		x86-64
CentOS	7.7		x86-64
CentOS	7.8		x86-64
CentOS	7.9		x86-64
CentOS	8		x86-64
CentOS	8.1		x86-64
CentOS	8.2		x86-64
CentOS	8.3		x86-64



## The CentOS Project

Name	Version	Service Pack	CPU Architecture
CentOS	8.4		x86-64

## Agent for Unix Compatibility

### IBM

Name	Version	Service Pack	CPU Architecture
AIX	6.1		POWER
AIX	7.1		POWER
AIX	7.2		POWER

### Sun

Name	Version	Service Pack	CPU Architecture
Solaris	10		SPARC
Solaris	11	.1	SPARC
Solaris	11	.3	SPARC
Solaris	11	.4	SPARC

## Remote Media Agent for Linux Compatibility

- The Advanced Open File feature for Remote Media Agent for Linux is supported only on select Red Hat Enterprise Linux (RHEL) and Novell SUSE Enterprise Linux Server (SLES) platforms. Please refer to the RHEL and SLES footnotes to identify the supported versions.
- The Remote Media Agent for Linux requires that the Linux server have Perl 5.8.8 or later installed.

# Red Hat

Name	Version	Service Pack	CPU Architecture
Enterprise Linux [1]	6.0	Update 1	x86-32, x86-64
Enterprise Linux [1]	6.0	Update 2	x86-32, x86-64
Enterprise Linux [1]	6.0	Update 3	x86-32, x86-64
Enterprise Linux [1]	6.0	Update 4	x86-32, x86-64
Enterprise Linux [1] [2]	6.0	Update 5	x86-32, x86-64
Enterprise Linux [1] [2]	6.0	Update 6	x86-32, x86-64
Enterprise Linux [1] [2]	6.0	Update 7	x86-32, x86-64
Enterprise Linux [1]	6.0	Update 8	x86-32, x86-64
Enterprise Linux [1]	6.0	Update 9	x86-32, x86-64
Enterprise Linux [1] [2]	6.0	Update 10	x86-64
Enterprise Linux [1] [2] [3]	7.0		x86-64
Enterprise Linux [1] [2] [3]	7.0	Update 1	x86-64
Enterprise Linux [1] [2] [3]	7.0	Update 2	x86-64
Enterprise Linux [1] [2] [3]	7.0	Update 3	x86-64
Enterprise Linux [1] [2] [3]	7.0	Update 4	x86-64
Enterprise Linux [1] [2] [3]	7.0	Update 5	x86-64
Enterprise Linux [1] [2] [3]	7.0	Update 6	x86-64
Enterprise Linux [1] [2] [3]	7.0	Update 7	x86-64
Enterprise Linux [1] [2] [3]	7.0	Update 8	x86-64
Enterprise Linux [1] [3]	7.0	Update 9	x86-64
Enterprise Linux [1] [2] [3] [4] [5]	8.0		x86-64
Enterprise Linux [1] [2] [3] [4] [5]	8.0	Update 1	x86-64
Enterprise Linux [1] [2] [3] [4] [5]	8.0	Update 2	x86-64
Enterprise Linux [1] [2] [3] [4] [5]	8.0	Update 3	x86-64
Enterprise Linux [1] [2] [3] [4] [5] [6]	8.0	Update 4	x86-64

1. Backup Exec client-side deduplication is supported for 64-bit Linux systems.
2. File system support includes ext2, ext3, and ext4.
3. File system support includes XFS.
4. Refer to the following Tech note for installing the Backup Exec Remote Agent for Linux (RALUS) on Redhat 8.x [https://www.veritas.com/content/support/en\\_US/article.100046985.html](https://www.veritas.com/content/support/en_US/article.100046985.html)
5. Refer to the following Tech note for Push installation of Linux Agent on Redhat 8.x [https://www.veritas.com/content/support/en\\_US/article.100047387.html](https://www.veritas.com/content/support/en_US/article.100047387.html)
6. libncurses5 is required to run mktls utility. [https://www.veritas.com/content/support/en\\_US/article.100045544](https://www.veritas.com/content/support/en_US/article.100045544)

# SUSE

Name	Version	Service Pack	CPU Architecture
SUSE Linux Enterprise Server [1]	11	SP1	x86-32, x86-64
SUSE Linux Enterprise Server [1]	11	SP2	x86-32, x86-64
SUSE Linux Enterprise Server [1]	11	SP3	x86-32, x86-64
SUSE Linux Enterprise Server [1]	11	SP4	x86-32, x86-64
SUSE Linux Enterprise Server [1] [2] [3]	12		x86-64
SUSE Linux Enterprise Server [1] [2] [3]	12	SP1	x86-64
SUSE Linux Enterprise Server [1] [2] [3]	12	SP2	x86-64
SUSE Linux Enterprise Server [1] [2] [3]	12	SP3	x86-64
SUSE Linux Enterprise Server [1] [2] [3]	12	SP4	x86-64
SUSE Linux Enterprise Server [1] [2] [3] [4]	12	SP5	x86-64
SUSE Linux Enterprise Server [1] [3] [4]	15		x86-64
SUSE Linux Enterprise Server [1] [3] [4]	15	SP1	x86-64
SUSE Linux Enterprise Server [1] [4]	15	SP2	x86-64

1. Backup Exec client-side deduplication is supported for 64-bit Linux systems.
2. File system support includes Btrfs.( Backup jobs will complete with exception )
3. libncurses5 is required to run mktls utility.
4. Advanced Open File Option is not supported.

# Agent for Applications and Databases Compatibility

## Notes:

- The Backup Exec Agent for Oracle on Windows or Linux Servers does not support multiple Oracle database versions that are installed on the same computer.
- Advanced Disk-based Option off-host backups of clustered Exchange databases in Exchange 2013 Clustering solutions are not supported.
- Legacy mailbox backups are no longer supported with any version of Exchange. This functionality has been replaced by the Granular Recovery Technology (GRT) feature.
- Backup Exec does not support protecting SharePoint Server which has its Databases configured on SQL Always On Availability Groups.
- Backup Exec Agent for SharePoint Server does not support Granular Recovery Technology (GRT) for the configuration where SharePoint Server databases are part of Clustered SQL Server instance hosted on Cluster Shared Volume (CSV).

## Microsoft

### Microsoft - Exchange

Name	Version	Service Pack	CPU Architecture	OS
Exchange [1]	2013	CU3	x86-64	Windows
Exchange [1]	2013	CU5	x86-64	Windows
Exchange [1]	2013	CU6	x86-64	Windows
Exchange [1]	2013	CU7	x86-64	Windows
Exchange [1]	2013	CU8	x86-64	Windows
Exchange [1]	2013	CU9	x86-64	Windows
Exchange [1]	2013	CU10	x86-64	Windows
Exchange [1]	2013	CU11	x86-64	Windows
Exchange [1]	2013	CU12	x86-64	Windows
Exchange [1]	2013	CU13	x86-64	Windows
Exchange [1]	2013	CU14	x86-64	Windows
Exchange [1]	2013	CU15	x86-64	Windows
Exchange [1]	2013	CU16	x86-64	Windows
Exchange [1]	2013	CU17	x86-64	Windows
Exchange [1]	2013	CU18	x86-64	Windows
Exchange [1]	2013	CU19	x86-64	Windows
Exchange [1]	2013	CU20	x86-64	Windows
Exchange [1]	2013	CU21	x86-64	Windows
Exchange [1]	2013	CU22	x86-64	Windows
Exchange [1]	2013	CU23	x86-64	Windows
Exchange [1]	2013	SP1	x86-64	Windows

# Microsoft - Exchange

Name	Version	Service Pack	CPU Architecture	OS
Exchange [2]	2016		x86-64	Windows
Exchange [2]	2016	CU1	x86-64	Windows
Exchange [2]	2016	CU2	x86-64	Windows
Exchange [2]	2016	CU3	x86-64	Windows
Exchange [2]	2016	CU4	x86-64	Windows
Exchange [2]	2016	CU5	x86-64	Windows
Exchange [2]	2016	CU6	x86-64	Windows
Exchange [2]	2016	CU7	x86-64	Windows
Exchange [2]	2016	CU8	x86-64	Windows
Exchange [2]	2016	CU9	x86-64	Windows
Exchange [2]	2016	CU10	x86-64	Windows
Exchange [2]	2016	CU11	x86-64	Windows
Exchange [2]	2016	CU12	x86-64	Windows
Exchange [2]	2016	CU13	x86-64	Windows
Exchange [2]	2016	CU14	x86-64	Windows
Exchange [2]	2016	CU15	x86-64	Windows
Exchange [2]	2016	CU16	x86-64	Windows
Exchange [2]	2016	CU17	x86-64	Windows
Exchange [2]	2016	CU18	x86-64	Windows
Exchange [2]	2016	CU19	x86-64	Windows
Exchange [2]	2016	CU20	x86-64	Windows
Exchange [2]	2016	CU21	x86-64	Windows
Exchange [2]	2016	CU22	x86-64	Windows
Exchange [2]	2016	CU23	x86-64	Windows
Exchange [3]	2019		x86-64	Windows
Exchange [3]	2019	CU1	x86-64	Windows
Exchange [3]	2019	CU2	x86-64	Windows
Exchange [3]	2019	CU3	x86-64	Windows
Exchange [3]	2019	CU4	x86-64	Windows
Exchange [3]	2019	CU5	x86-64	Windows
Exchange [3]	2019	CU6	x86-64	Windows
Exchange [3]	2019	CU7	x86-64	Windows

## Microsoft - Exchange

Name	Version	Service Pack	CPU Architecture	OS
Exchange [3]	2019	CU8	x86-64	Windows
Exchange [3]	2019	CU9	x86-64	Windows
Exchange [3]	2019	CU10	x86-64	Windows
Exchange [3]	2019	CU11	x86-64	Windows

1. Backup Exec does not support Microsoft Exchange Management role scopes.
2. To back up Microsoft Exchange Server 2016, you must install Backup Exec on a Microsoft Windows 2012 64-bit server or newer.
3. To back up Microsoft Exchange Server 2019, you must install Backup Exec on a Microsoft Windows 2012 64-bit server or newer.

## Microsoft - SharePoint Foundation

Name	Version	Service Pack	CPU Architecture	OS
SharePoint Foundation	2010	SP1	x86-64	Windows
SharePoint Foundation	2010	SP2	x86-64	Windows
SharePoint Foundation	2013		x86-64	Windows
SharePoint Foundation	2013	SP1	x86-64	Windows

## Microsoft - SharePoint Server

Name	Version	Service Pack	CPU Architecture	OS
SharePoint Server	2010		x86-64	Windows
SharePoint Server	2010	SP1	x86-32, x86-64	Windows
SharePoint Server	2010	SP2	x86-32, x86-64	Windows
SharePoint Server [1]	2013		x86-64	Windows
SharePoint Server [1]	2013	SP1	x86-64	Windows
SharePoint Server [1]	2016		x86-64	Windows
SharePoint Server [1]	2019		x86-64	Windows

1. Although this version of SharePoint Server supports databases on SQL Always On Availability Group, the Backup Exec Agent for SharePoint Server does not support this configuration.

## Microsoft - SQL Express

Name	Version	Service Pack	CPU Architecture	OS
SQL Express	2008	SP3	x86-32, x86-64	Windows
SQL Express	2008	SP4	x86-32, x86-64	Windows
SQL Express	2008 R2		x86-64	Windows
SQL Express	2008 R2	SP1	x86-32, x86-64	Windows
SQL Express	2008 R2	SP2	x86-32, x86-64	Windows
SQL Express	2008 R2	SP3	x86-32, x86-64	Windows
SQL Express	2012		x86-32, x86-64	Windows
SQL Express	2012	SP1	x86-64	Windows
SQL Express	2012	SP2	x86-32, x86-64	Windows
SQL Express	2012	SP3	x86-32, x86-64	Windows
SQL Express	2014		x86-32, x86-64	Windows
SQL Express	2014	SP1	x86-64	Windows
SQL Express	2014	SP2	x86-64	Windows
SQL Express	2014	SP3	x86-32, x86-64	Windows
SQL Express	2016	SP1	x86-64	Windows
SQL Express	2016	SP2	x86-64	Windows
SQL Express	2017		x86-64	Windows
SQL Express	2019		x86-64	Windows

## Microsoft - SQL Server

Name	Version	Service Pack	CPU Architecture	OS
SQL Server [1]	2008	SP3	x86-32, x86-64	Windows
SQL Server [1]	2008	SP4	x86-32, x86-64	Windows
SQL Server [1]	2008 R2		x86-32, x86-64	Windows
SQL Server [1]	2008 R2	SP1	x86-32, x86-64	Windows
SQL Server [1]	2008 R2	SP2	x86-32, x86-64	Windows
SQL Server [1]	2008 R2	SP3	x86-32, x86-64	Windows
SQL Server [1] [2] [3]	2012		x86-32, x86-64	Windows
SQL Server [1] [2] [3]	2012	SP1	x86-32, x86-64	Windows

## Microsoft - SQL Server

Name	Version	Service Pack	CPU Architecture	OS
SQL Server [1] [2] [3]	2012	SP2	x86-32, x86-64	Windows
SQL Server [1] [2] [3]	2012	SP3	x86-32, x86-64	Windows
SQL Server [1] [2] [3]	2012	SP4	x86-32, x86-64	Windows
SQL Server [1] [2] [3] [4]	2014		x86-32, x86-64	Windows
SQL Server [1] [2] [3] [4]	2014	SP1	x86-32, x86-64	Windows
SQL Server [1] [2] [3] [4]	2014	SP2	x86-32, x86-64	Windows
SQL Server [1] [2] [3] [4]	2014	SP3	x86-32, x86-64	Windows
SQL Server [1] [2] [3] [4]	2016		x86-64	Windows
SQL Server [1] [2] [3] [4]	2016	SP1	x86-64	Windows
SQL Server [1] [2] [3] [4]	2016	SP2	x86-64	Windows
SQL Server [1] [2] [3] [4]	2017		x86-64	Windows
SQL Server [1] [2] [3] [4]	2019		x86-64	Windows

1. For mirroring and log shipping, only Full/Copy backups on the primary nodes are supported.
2. Backup Exec version 21.1 onwards SQL Availability Groups are supported.
3. Backup Exec version 22 onwards Microsoft SQL Cluster with Availability Group supported
4. Backup Exec version 21.2 onwards In-Memory optimized tables are supported.

## Microsoft - Windows Active Directory

Name	Version	Service Pack	CPU Architecture	OS
Windows Active Directory	2012		x86-64	Windows
Windows Active Directory [1]	2012 R2		x86-64	Windows
Windows Active Directory [1]	2016		x86-64	Windows
Windows Active Directory [1]	2019		x86-64	Windows

1. To perform a GRT-enabled backup of an Active Directory Application Server on Windows 2012 R2 or later, the Backup Exec server must be the same version or a later version of Microsoft Windows. Please see the following TechNote for further details <<http://www.veritas.com/docs/000087447>>



## Oracle

Name	Version	Service Pack	CPU Architecture	OS
Database [1] [2] [3] [4] [5] [6]	10g		x86-32, x86-64	Linux, Windows
Database [1] [2] [3] [4] [5] [6]	10g	R1	x86-32, x86-64	Linux, Windows
Database [1] [2] [3] [4] [5] [6]	10g	R2	x86-32, x86-64	Linux, Windows
Database [1] [2] [3] [4] [5] [6]	11g		x86-32, x86-64	Linux, Windows
Database [1] [2] [3] [4] [5] [6]	11g	R1	x86-32, x86-64	Linux, Windows
Database [1] [2] [3] [4] [5] [6]	11g	R2	x86-32, x86-64	Linux, Windows
Database [1] [2] [3] [4] [5] [6]	12c		x86-64	Linux, Windows
Database [1] [2] [3] [4] [5] [6] [7]	12c	R1	x86-64	Linux, Windows
Database [2] [3] [4] [5] [6] [7] [8]	12c	R2	x86-64	Linux, Windows
Database [2] [3] [4] [5] [6] [7] [8] [9]	18c		x86-64	Linux, Windows

1. Oracle Fail-safe is supported only on Windows.
2. Oracle Real Application Cluster (RAC) support for Windows and Linux.
3. Oracle versions Enterprise, Standard, Standard One, Lite, and Personal supported.
4. Supported on all supported Windows and Linux versions.
5. Supported with ASM, OCFS and all supported file systems by operating systems.
6. The Oracle Agent does not run on 32-bit versions of Oracle installed on a 64-bit system.
7. Oracle Standard Edition 2 (SE2) is supported.
8. Oracle Fail-safe is not supported.
9. Supported Oracle Database Version 18.10 and 18.13

## Veritas

Name	Version	Service Pack	CPU Architecture	OS
Enterprise Vault [1]	11.0		x86-64	Windows
Enterprise Vault [1]	11.0	SP1	x86-64	Windows
Enterprise Vault [1] [2]	12.0		x86-64	Windows
Enterprise Vault [1] [2]	12.1		x86-64	Windows
Enterprise Vault [1] [2]	12.2		x86-64	Windows
Enterprise Vault [1] [2]	12.3		x86-64	Windows
Enterprise Vault [1] [2]	12.4		x86-64	Windows

# Veritas

Name	Version	Service Pack	CPU Architecture	OS
Enterprise Vault [1] [2]	12.5		x86-64	Windows
Enterprise Vault [1] [2]	14.0		x86-64	Windows

1. Backup Exec Migrator for Enterprise Vault is available for this version.
2. Although this version of Enterprise Vault supports databases on SQL Always On Availability Group, the Backup Exec Agent for Enterprise Vault does not support this configuration.

# Agent for VMware and Hyper-V Compatibility

## Agent for Hyper-V Compatibility

### Microsoft

Name	Version	Service Pack	CPU Architecture
Hyper-V Server	2012		x86-64
Hyper-V Server	2012 R2		x86-64
Hyper-V Server	2016		x86-64
Hyper-V Server	2019		x86-64
Hyper-V Server	2022		x86-64
Windows Server 2012	Datacenter		x86-64
Windows Server 2012	Standard		x86-64
Windows Server 2012 R2	Datacenter		x86-64
Windows Server 2012 R2	Standard		x86-64
Windows Server 2016	Datacenter		x86-64
Windows Server 2016	Essentials		x86-64
Windows Server 2016	Standard		x86-64
Windows Server 2016	Storage Server		x86-64
Windows Server 2019	Datacenter		x86-64
Windows Server 2019	Essentials		x86-64
Windows Server 2019	Standard		x86-64
Windows Server 2022	Datacenter		x86-64
Windows Server 2022	Standard		x86-64

## Hyper-V: Partition / Volume Structure

Configuration	Support
MBR – basic disks	Both application-level Granular Recovery Technology (GRT) and file/folder-level GRT are supported.
MBR – dynamic disks	GRT is not supported.
GPT – basic disks	Both application-level GRT and file/folder-level GRT are supported.
GPT – dynamic disks	GRT is not supported.
Windows Storage Spaces	GRT is not supported.

## Hyper-V: File System Support

Configuration	Support
NTFS	Both application-level GRT and file/folder-level GRT are supported.
FAT	Both application-level GRT and file/folder-level GRT are supported.
ReFS	Both application-level GRT and file/folder-level GRT are supported, if the Backup Exec server uses the same version or a later version of the operating system that the guest uses.
Windows Data Deduplication Role/Feature	Both application-level GRT and file/folder-level GRT are supported, if the Backup Exec server and HyperV Host uses the same version or a later version of the operating system that the guest uses, and if the Windows Deduplication Role/Feature is enabled on the Backup Exec server.

## Hyper-V: VM Disk Structure

Configuration	Support
Pass-Through Disk	The data on the pass-through disk is not backed up. File/folder-level GRT is attempted. Application-level GRT is not attempted.
Fibre Channel Adapter	The data on the Fibre Channel Adapter is not backed up. File/folder-level GRT is attempted. Application-level GRT is not attempted.
Shared vhd/vhdx files	The data on the shared vhdx file, and its associated vhds file, is not backed up. File/folder-level GRT is attempted. Application-level GRT is not attempted.
The virtual machine is protected with an offline backup	The data is protected, but it is not application-consistent. File/folder-level GRT is attempted. Application-level GRT is not attempted.
SMB (Server Message Block) network protocol	The data on the SMB is not backed up. File/folder-level GRT is attempted. Application-level GRT is not attempted.

## Hyper-V: Advanced Configuration

Configuration
Shielded Virtual Machines are Supported for Hyper-V 2016
Storage Space Direct Cluster Configuration are Supported for Hyper-V 2016 and 2019

## Hyper Converged Infrastructure

Configuration
Microsoft Azure Stack HCI - 20H2 and 21H2
Hyper-V on Nutanix: Windows Server 2016 and 2019

## Agent for VMware Compatibility

### Notes:

For VMWare Agent, the version of the VMware VDDK library used in this Backup Exec version does not support Windows Server 2022 as a backup host. However, our tests show that VMWare Agent backup/restore works fine in the majority of the cases.

## VMware

Name	Version	Service Pack	CPU Architecture
ESXi	6.5		x86-64
ESXi	6.5	Update 1	x86-64
ESXi	6.5	Update 2	x86-64
ESXi	6.5	Update 3	x86-64
ESXi	6.7		x86-64
ESXi	6.7	Update 1	x86-64
ESXi	6.7	Update 2	x86-64
ESXi	6.7	Update 3	x86-64
ESXi	7.0		x86-64
ESXi	7.0	Update 1	x86-64
ESXi	7.0	Update 2	x86-64
ESXi	7.0	Update 3	x86-64

## VMware: vCenter Compatibility

Name	Version	Service Pack
vCenter Server	6.5	
vCenter Server	6.5	Update 1
vCenter Server	6.5	Update 2
vCenter Server	6.5	Update 3
vCenter Server	6.7	
vCenter Server	6.7	Update 1
vCenter Server	6.7	Update 2
vCenter Server	6.7	Update 3
vCenter Server	6.7	Update 3
vCenter Server Appliance	6.5	
vCenter Server Appliance	6.5	Update 1
vCenter Server Appliance	6.5	Update 2
vCenter Server Appliance	6.5	Update 3
vCenter Server Appliance	6.7	
vCenter Server Appliance	6.7	Update 1
vCenter Server Appliance	6.7	Update 2
vCenter Server Appliance	6.7	Update 3
vCenter Server Appliance	7.0	
vCenter Server Appliance	7.0	Update 1
vCenter Server Appliance	7.0	Update 2
vCenter Server Appliance	7.0	Update 3

## VMware Cloud Solutions

Name	Version
Microsoft Azure VMware Solutions (AVS) [1] [2]	2.0
VMware Cloud on AWS [1] [2] [3]	1.12, 1.14 and 1.16
VMware Cloud on Dell EMC [1] [2] [3]	1.12, 1.14 and 1.16

1. The nbd, nbdssl, and san transport modes are not supported in VMware Cloud environment.
2. Backup Exec's Instant Recovery and Recovery Ready features are not supported in VMware Cloud environment.
3. For more information on pre-requisites and configuration of Backup Exec in VMC please refer, <<https://kb.vmware.com/s/article/80963>>

## VMware: Partition / Volume Structure

Configuration	Support
MBR – basic disks	Both application-level Granular Recovery Technology (GRT) and file/folder-level GRT are supported.
MBR – dynamic disks	Supports GRT of all dynamic volume types, except RAID 5.
GPT – basic disks	Both application-level GRT and file/folder-level GRT are supported.
GPT – dynamic disks	GRT is not supported.
Windows Storage Spaces	GRT is not supported.

## VMware: File System Support

Configuration	Support
NTFS	Both application-level GRT and file/folder-level GRT are supported.
FAT	Both application-level GRT and file/folder-level GRT are supported.
ReFS	Both application-level GRT and file/folder-level GRT are supported, if the Backup Exec server uses the same version or a later version of the operating system that the guest uses. GRT is unsupported if Backup Exec is installed on Windows Server 2019/2022. Note : For Backup Exec 21.1 or prior versions please refer to the Tech note: <a href="https://www.veritas.com/support/en_US/article.100044076">https://www.veritas.com/support/en_US/article.100044076</a>
Windows Data Deduplication Role/Feature	Both application-level GRT and file/folder-level GRT are supported, if the Backup Exec server uses the same version or a later version of the operating system that the guest uses, and if the Windows Deduplication Role/Feature is enabled on the Backup Exec server.

## VMware: VM Disk Structure

Configuration	Support
RDM disks - physical and virtual compatibility mode or independent disks	The Data from RDM disk is not backed up. All other disks are backed up. GRT is not attempted.
Virtual SAN - software-defined shared storage	Versions of Virtual SAN delivered with vSphere 6.5,6.5 U1/U2/U3 and 6.7 U1/U2/U3 and 7 U2 are supported.



# Cloud File Share Compatibility

**Notes:**

- Backup Exec can be deployed on-premises or in the cloud, to protect Azure file and Amazon FSx for Windows File Server.
- Backup throughput rate depends on the Internet bandwidth available between the on-premises network and the Amazon or Azure infrastructure.
- Ensure Amazon FSx for Windows File Server or Azure Files accessible and you can access them as SMB shares from the Backup Exec server. You must have full rights for Amazon FSx for Windows File Server and Azure Files.

Supported Cloud File Share
Azure Files
Amazon FSx for Windows File Server

# Backup Exec Upgrade Compatibility

## Upgrade and Rolling Upgrade Compatibility

### Notes:

- Features or requirements that are no longer supported by Backup Exec may affect your ability to restore backed-up resources. Please review the section titled 'Features or requirements no longer supported by Backup Exec' in this document.

### Direct upgrade to Backup Exec 21

Name	Version
Backup Exec	15
Backup Exec	16
Backup Exec	20

### Agent versions that can be temporarily used with Backup Exec 21

Name	Version	Service Pack
Backup Exec [1]	15	latest Feature Pack
Backup Exec [1]	16	latest Feature Pack
Backup Exec [1]	20	latest Feature Pack

1. You can use previous versions of an Agent with Backup Exec during a rolling upgrade. A warning message is displayed in the job log when previous versions of an Agent are used, but backups and restores can continue normally. New features are disabled until you upgrade the Agent to the same version as the Backup Exec server.

### Temporarily Manage Backup Exec Servers with Backup Exec 21

Name	Version	Service Pack
Backup Exec [1]	20	

1. You can perform rolling upgrades in the Backup Exec 20 Central Admin Server Option (CASO) environment, which is included in the Enterprise Server Option. A rolling upgrade lets you upgrade the central administration server from the previous version to the current version first, and then upgrade the managed Backup Exec servers from the previous version to the current version over a period of time. A warning message is displayed in the job log when previous versions of a server are used, but backups and restores can continue normally. New features are disabled until you upgrade the version of all of the Backup Exec servers.

# Backup Exec Feature Specific Compatibility

## Instant Recovery (IR)

### Minimum requirements to use the Instant Recovery feature:

#### Microsoft Hyper-V:

- Backup Server on Windows Server 2012 or later

#### VMware vSphere:

- Backup Server on Windows Server 2012 or later
- Server for NFS (Windows Role) installed on Backup Exec Server

## Simplified Disaster Recovery (SDR)

### Notes:

- The Create Disaster Recovery Disk Wizard is not supported on 32 bit systems, only use on 64 bit systems.
- SDR Disk creation using Microsoft Assessment and Deployment Kit (ADK) v10 is supported on all Windows OS versions from Windows 2012 to Windows Server 2016.
- The Agent for Linux and the Remote Media Agent for Linux do not support the Simplified Disaster Recovery feature.
- If the Backup Exec server on which you want to create the Simplified Disaster Recovery disk image does not have an internet connection, and does not have ADK installed, instructions are provided on how to install the ADK. You can then use the Create Simplified Disaster Recovery Disk Wizard to create the recovery disk.
- SDR Disk creation using Microsoft Assessment and Deployment Kit (ADK) 1809 is supported on Windows Server 2019.
- SDR Disk creation using Microsoft Assessment and Deployment Kit (ADK) 2022 is supported on Windows Server 2022.

## Backup Exec Servers recoverable by SDR

Microsoft

### Microsoft - Windows Server 2012

Name	Version	Service Pack	CPU Architecture
Windows Server 2012	Datacenter		x86-64
Windows Server 2012	Essentials		x86-64
Windows Server 2012	Foundation		x86-64
Windows Server 2012	Standard		x86-64
Windows Server 2012	Storage Server		x86-64

## Microsoft - Windows Server 2012 R2

Name	Version	Service Pack	CPU Architecture
Windows Server 2012 R2	Datacenter		x86-64
Windows Server 2012 R2	Essentials		x86-64
Windows Server 2012 R2	Foundation		x86-64
Windows Server 2012 R2	Standard		x86-64
Windows Server 2012 R2	Storage Server		x86-64

## Microsoft - Windows Server 2016

Name	Version	Service Pack	CPU Architecture
Windows Server 2016	Datacenter		x86-64
Windows Server 2016	Essentials		x86-64
Windows Server 2016	Standard		x86-64
Windows Server 2016	Storage Server		x86-64

## Microsoft - Windows Server 2019

Name	Version	Service Pack	CPU Architecture
Windows Server 2019	Datacenter		x86-64
Windows Server 2019	Essentials		x86-64
Windows Server 2019	Standard		x86-64

## Microsoft - Windows Server 2022

Name	Version	Service Pack	CPU Architecture
Windows Server 2022	Datacenter		x86-64
Windows Server 2022	Standard		x86-64

## Agent for Windows recoverable by SDR

Microsoft

## Microsoft - Windows 8

Name	Version	Service Pack	CPU Architecture
Windows 8	Enterprise		x86-32, x86-64
Windows 8	Pro		x86-32, x86-64

## Microsoft - Windows 8.1

Name	Version	Service Pack	CPU Architecture
Windows 8.1	Enterprise		x86-32, x86-64
Windows 8.1	Pro		x86-32, x86-64

## Microsoft - Windows 10

Name	Version	Service Pack	CPU Architecture
Windows 10	Enterprise		x86-32, x86-64
Windows 10	Enterprise	20H2	x86-32, x86-64
Windows 10	Enterprise	1709	x86-32, x86-64
Windows 10	Enterprise	1803	x86-32, x86-64
Windows 10	Enterprise	1809	x86-32, x86-64
Windows 10	Enterprise	1903	x86-32, x86-64

## Microsoft - Windows 10

Name	Version	Service Pack	CPU Architecture
Windows 10	Enterprise	1909	x86-32, x86-64
Windows 10	Enterprise	2004	x86-32, x86-64
Windows 10	Enterprise	2009	x86-32, x86-64
Windows 10	Pro		x86-32, x86-64
Windows 10	Pro	20H2	x86-32, x86-64
Windows 10	Pro	1709	x86-32, x86-64
Windows 10	Pro	1803	x86-32, x86-64
Windows 10	Pro	1809	x86-32, x86-64
Windows 10	Pro	1903	x86-32, x86-64
Windows 10	Pro	1909	x86-32, x86-64
Windows 10	Pro	2004	x86-32, x86-64
Windows 10	Pro	2009	x86-32, x86-64

## Microsoft - Windows 10 LTSB 2016

Name	Version	Service Pack	CPU Architecture
Windows 10 LTSB 2016	Enterprise	1607	x86-32, x86-64
Windows 10 LTSB 2016	Pro	1607	x86-32, x86-64

## Microsoft - Windows 10 LTSC 2019

Name	Version	Service Pack	CPU Architecture
Windows 10 LTSC 2019	Enterprise	1809	x86-32, x86-64
Windows 10 LTSC 2019	Pro	1809	x86-32, x86-64

## Microsoft - Windows 11

Name	Version	Service Pack	CPU Architecture
Windows 11	Enterprise		x86-64
Windows 11	Pro		x86-64

## Microsoft - Windows Server 2012

Name	Version	Service Pack	CPU Architecture
Windows Server 2012	Datacenter		x86-64
Windows Server 2012	Essentials		x86-64
Windows Server 2012	Foundation		x86-64
Windows Server 2012	Standard		x86-64
Windows Server 2012	Storage Server		x86-64

## Microsoft - Windows Server 2012 R2

Name	Version	Service Pack	CPU Architecture
Windows Server 2012 R2	Datacenter		x86-64
Windows Server 2012 R2	Essentials		x86-64
Windows Server 2012 R2	Foundation		x86-64
Windows Server 2012 R2	Standard		x86-64
Windows Server 2012 R2	Storage Server		x86-64

## Microsoft - Windows Server 2016

Name	Version	Service Pack	CPU Architecture
Windows Server 2016	Datacenter		x86-64
Windows Server 2016	Essentials		x86-64
Windows Server 2016	Standard		x86-64
Windows Server 2016	Storage Server		x86-64

## Microsoft - Windows Server 2019

Name	Version	Service Pack	CPU Architecture
Windows Server 2019	Datacenter		x86-64
Windows Server 2019	Essentials		x86-64
Windows Server 2019	Standard		x86-64

## Microsoft - Windows Server 2022

Name	Version	Service Pack	CPU Architecture
Windows Server 2022	Datacenter		x86-64
Windows Server 2022	Standard		x86-64

## Microsoft - Windows Server Semi-Annual Channel

Name	Version	Service Pack	CPU Architecture
Windows Server Semi-Annual Channel	Windows Server 20H2		x86-64
Windows Server Semi-Annual Channel	Windows Server 1709		x86-64
Windows Server Semi-Annual Channel	Windows Server 1803		x86-64
Windows Server Semi-Annual Channel	Windows Server 1903		x86-64
Windows Server Semi-Annual Channel	Windows Server 1909		x86-64
Windows Server Semi-Annual Channel	Windows Server 2004		x86-64



# ISO Creation Supported by SDR

Microsoft

## Microsoft - Windows 8

Name	Version	Service Pack	CPU Architecture
Windows 8	Enterprise		x86-64
Windows 8	Pro		x86-64

## Microsoft - Windows 8.1

Name	Version	Service Pack	CPU Architecture
Windows 8.1	Enterprise		x86-64
Windows 8.1	Pro		x86-64

## Microsoft - Windows 10

Name	Version	Service Pack	CPU Architecture
Windows 10	Enterprise		x86-64
Windows 10	Enterprise	20H2	x86-64
Windows 10	Enterprise	1709	x86-64
Windows 10	Enterprise	1803	x86-64
Windows 10	Enterprise	1809	x86-64
Windows 10	Enterprise	1903	x86-64
Windows 10	Enterprise	1909	x86-64
Windows 10	Enterprise	2004	x86-64
Windows 10	Enterprise	2009	x86-64
Windows 10	Pro		x86-64
Windows 10	Pro	20H2	x86-64
Windows 10	Pro	1709	x86-64

## Microsoft - Windows 10

Name	Version	Service Pack	CPU Architecture
Windows 10	Pro	1803	x86-64
Windows 10	Pro	1809	x86-64
Windows 10	Pro	1903	x86-64
Windows 10	Pro	1909	x86-64
Windows 10	Pro	2004	x86-64
Windows 10	Pro	2009	x86-64

## Microsoft - Windows 10 LTSB 2016

Name	Version	Service Pack	CPU Architecture
Windows 10 LTSB 2016	Enterprise	1607	x86-64
Windows 10 LTSB 2016	Pro	1607	x86-64

## Microsoft - Windows 10 LTSC 2019

Name	Version	Service Pack	CPU Architecture
Windows 10 LTSC 2019	Enterprise	1809	x86-64
Windows 10 LTSC 2019	Pro	1809	x86-64

## Microsoft - Windows 11

Name	Version	Service Pack	CPU Architecture
Windows 11	Enterprise		x86-64
Windows 11	Pro		x86-64

## Microsoft - Windows Server 2012

Name	Version	Service Pack	CPU Architecture
Windows Server 2012	Datacenter		x86-64
Windows Server 2012	Essentials		x86-64
Windows Server 2012	Foundation		x86-64
Windows Server 2012	Standard		x86-64
Windows Server 2012	Storage Server		x86-64

## Microsoft - Windows Server 2012 R2

Name	Version	Service Pack	CPU Architecture
Windows Server 2012 R2	Datacenter		x86-64
Windows Server 2012 R2	Essentials		x86-64
Windows Server 2012 R2	Foundation		x86-64
Windows Server 2012 R2	Standard		x86-64
Windows Server 2012 R2	Storage Server		x86-64

## Microsoft - Windows Server 2016

Name	Version	Service Pack	CPU Architecture
Windows Server 2016	Datacenter		x86-64
Windows Server 2016	Essentials		x86-64
Windows Server 2016	Standard		x86-64
Windows Server 2016	Storage Server		x86-64

## Microsoft - Windows Server 2019

Name	Version	Service Pack	CPU Architecture
Windows Server 2019	Datacenter		x86-64
Windows Server 2019	Essentials		x86-64
Windows Server 2019	Standard		x86-64

## Microsoft - Windows Server 2022

Name	Version	Service Pack	CPU Architecture
Windows Server 2022	Datacenter		x86-64
Windows Server 2022	Standard		x86-64

## Convert to Virtual

### Notes:

- The Convert to Virtual feature supports both Hyper-V and VMware ESX environments.
- For the Convert to Virtual feature, conversion of Fibre Channel disk devices (not used as Windows volumes), USB devices, Removable disks, and ISCSI disks are not supported. Both Hyper-V and VMware have these limitations.
- VMware Converter does not convert GPT disks.
- Physical-to-virtual and one-time conversions of 32-bit servers to VMware are no longer supported. However, Backup-to-Virtual and conversion from Point-In-Time are supported for 32-bit servers to VMware.

## Supported Operating Systems

Version	x32bit	x64bit
Windows Server 2012	N/A	Supported
Windows Server 2012 R2	N/A	Supported
Windows 2016	N/A	Supported
Windows 2019	N/A	Supported

## Supported Applications

Name	x32bit	x64bit
Exchange 2013	N/A	Supported
Exchange 2016	N/A	Supported
Exchange 2019	N/A	Supported
SQL 2008	Supported	Supported
SQL 2008 R2	Supported	Supported
SQL 2012	Supported	Supported
Active Directory 2012	N/A	Supported
Active Directory 2012 R2	N/A	Supported
Active Directory 2016	N/A	Supported

## Remote Admin Console (RAC)

**Notes:**

The Remote Administrator Console can be installed on any operating system listed in the "Backup Exec 21.x Server - Operating System Compatibility" section and on any operating systems listed in the following table.

## Additional Operating System Compatibility

Name	Version	Service Pack	CPU Architecture
Windows 8.1	Pro		x86-64bit
Windows 8.1	Enterprise		x86-64bit
Windows 10	Enterprise		x86-64bit
Windows 10	Pro		x86-64bit
Windows 10	Enterprise	1709	x86-64bit
Windows 10	Pro	1709	x86-64bit
Windows 10	Enterprise	1803	x86-64bit
Windows 10	Pro	1803	x86-64bit
Windows 10	Enterprise	1809	x86-64bit
Windows 10	Pro	1809	x86-64bit
Windows 10	Enterprise	1903	x86-64bit
Windows 10	Pro	1903	x86-64bit
Windows 10	Enterprise	1909	x86-64bit

## Additional Operating System Compatibility

Name	Version	Service Pack	CPU Architecture
Windows 10	Pro	1909	x86-64bit
Windows 10	Enterprise	2009	x86-64bit
Windows 10	Pro	2009	x86-64bit
Windows 11	Enterprise		x86-64bit
Windows 11	Pro		x86-64bit

## Backup Exec Server Compatibility

Remote Admin Console (RAC)	Backup Exec Server
Backup Exec 21	Backup Exec 21

## Backup Exec Database Repository Compatibility

The following data management systems can be used for the Backup Exec Database (BEDB) when installing Backup Exec.

Name	Version	Service Pack
Microsoft SQL Server and Express	2008 R2	SP2
Microsoft SQL Server and Express	2008 R2	SP3
Microsoft SQL Server and Express	2012	
Microsoft SQL Server and Express	2012	SP1
Microsoft SQL Server and Express	2012	SP2
Microsoft SQL Server and Express	2012	SP3
Microsoft SQL Server and Express	2012	SP4
Microsoft SQL Server and Express	2014	
Microsoft SQL Server and Express	2014	SP1
Microsoft SQL Server and Express	2014	SP2
Microsoft SQL Server and Express	2014	SP3
Microsoft SQL Server and Express	2016	
Microsoft SQL Server and Express	2016	SP1
Microsoft SQL Server and Express	2016	SP2

Name	Version	Service Pack
Microsoft SQL Server and Express	2017	
Microsoft SQL Server and Express	2019	

## Backup Exec Management Command Line Interface

**Note:**

- BEMCLI is installed with Backup Exec and replaces BEMCMD.

**Minimum requirements to run BEMCLI:**

- Windows PowerShell V2 or V3
- .NET 3.5 SP1 or higher versions
- PowerShell's execution policy must set to a value that is less restrictive than Restricted (e.g. AllSigned). For more information, see Get-Help Set-ExecutionPolicy.

## Exchange GRT restore to PST file

This feature allows a user to restore directly to a PST file from a GRT enabled backup of a Exchange database. The PST file must use Outlook friendly mailbox folder structure of being beneath the 'Top of Information Store' only. Sub-folder below this level are not supported.

**Outlook versions required on the target server:**

- Only 32-bit outlook versions are supported. Note: 64-bit outlook versions are not supported.

**File naming convention:**

- Restore creates PST file name which matches mailbox display name in UI
- File name collisions handled with '(n)' suffix. IE: John Smith [John Smith].pst and John Smith [John Smith](1).pst

**File size limits:**

- The maximum size of the .PST file is 20 GB. If the restore exceeds the size limit, the data is spanned across multiple .PST files which are numbered consecutively.
- When you restore multiple mailboxes in the same job, each mailbox that you restore has a PST file.

Microsoft articles on how to change PST file size limits:

- <<http://support.microsoft.com/kb/832925>>

Microsoft Outlook Versions	Exchange 2013 64-bit	Exchange 2016 64-bit	Exchange 2019 64-bit
Outlook 2010 32-bit	Supported	Supported	Not Supported
Outlook 2013 32-bit	Supported	Supported	Supported
Outlook 2016 32-bit	Supported	Supported	Supported
Outlook 2019 32-bit	Supported	Supported	Supported

# 3rd Party Software Compatibility

## 32-bit and 64-bit Interoperability

### Notes:

- The 64-bit Backup Exec server table illustrates interoperability between a 64-bit Backup Exec server and various remote systems and applications.
- If an agent or option is not listed in the tables below, it is supported on both 32-bit and 64-bit (64-bit) platforms.

### 64-bit Backup Exec server

Agent	32-bit Windows OS	64-bit Windows OS	Linux
Active Directory 2012	N/A	Supported	N/A
Active Directory 2012 R2	N/A	Supported	N/A
Active Directory 2016	N/A	Supported	N/A
Active Directory 2019	N/A	Supported	N/A
Microsoft Exchange 2013	N/A	Supported	N/A
Microsoft SharePoint 2010 [1]	N/A	Supported	N/A
Microsoft SharePoint 2013 [1]	N/A	Supported	N/A
Microsoft SQL 2008	Supported	Supported	N/A
Microsoft SQL 2008 R2	Supported	Supported	N/A
Microsoft SQL 2012	N/A	Supported	N/A
Microsoft SQL 2014	N/A	Supported	N/A
Oracle	Supported	Supported	Supported
Enterprise Vault	N/A	Supported	N/A

1. SQL Server/Express 2008 32-bit and 64-bit versions are supported as database backend servers.

## Microsoft/Windows Server Failover Cluster (WSFC) Support

For Windows operating systems, Backup Exec supports file share clusters for all supported versions and variations of Windows that feature Microsoft Server Failover Cluster.

### Note:

- Microsoft Server Failover Cluster with Availability Group is not supported.

Name	Notes
Microsoft SQL Server 2008	Microsoft Server Failover Cluster
Microsoft SQL Server 2008 R2	Microsoft Server Failover Cluster



Name	Notes
Microsoft SQL Server 2012	Microsoft Server Failover Cluster
Microsoft SQL Server 2014	Microsoft Server Failover Cluster
Microsoft SQL Server 2016	Microsoft Server Failover Cluster
Microsoft SQL Server 2017	Microsoft Server Failover Cluster
Microsoft SQL Server 2019	Microsoft Server Failover Cluster
Microsoft Exchange 2013	DAG [1]
Microsoft Exchange 2016	DAG [1]
Microsoft Exchange 2019	DAG [1]
Oracle	Supported with RAC, Microsoft Server Failover Cluster and FailSafe.

1. Window Enterprise Edition is still required since a DAG (Database Availability Group) still uses pieces of Windows Failover Clustering.

# End-of-Life information

## Features and requirements no longer supported by Backup Exec

EOL Notice: These operating systems, backward compatibility for restores, rolling upgrades, third-party software applications, and Veritas products are no longer supported for use with this version of Backup Exec for Windows.

- The Version EOL Started identifies the version of Backup Exec that no longer provides the support and includes all subsequent releases.

### Backup Exec Feature

Feature Name	Notes
Agent for Applications and Databases Compatibility	Microsoft SQL express and SQL Server 2005,All Service Packs
Backup Exec support for Microsoft Cluster	Microsoft Cluster support for Backup Exec Media Server

### Retiring Soon: Items planned for end-of-life

The Backup Exec Agents, Options, and functionality that are listed in this section may not be listed as supported in a future Software Compatibility List. This list of items may change up until a Feature Pack or new Backup Exec version is released. To help customers plan accordingly, Veritas will provide advance notice of the items that will be unavailable.

Current supportability of these items is not affected. Normal Technical Support lifecycle policies for Veritas enterprise products still apply to these items. To provide Veritas with direct feedback, please use the Veritas Connect Ideas forum located here: <http://www.veritas.com/community/backup-and-recovery/ideas>

### Backup Exec Feature

Feature Name	Operating System Name	Version	CPU Architecture	Notes
-		-	-	
Agent for Linux and Remote Media Agent for Linux Compatibility	Red Hat Enterprise Linux	6.0	x86-64	All Versions and updates are phased out in Backup Exec 22
Agent for Linux and Remote Media Agent for Linux Compatibility	SUSE Linux Enterprise Server	11	x86-64	All Versions and updates are phased out in Backup Exec 22
Agent for Linux Compatibility	Oracle Enterprise Linux	6.0	x86-64	All Versions and updates are phased out in Backup Exec 22
Agent for Linux Compatibility	CentOS	6.7 and 6.10	x86-64	All Versions and updates are phased out in Backup Exec 22
Agent for Unix Compatibility	IBM AIX	6.1	-	Phased out in Backup Exec 22