

Backup Exec 20 - 20.x Software Compatibility List (SCL)

Updated on October 23, 2018

Introduction

This document lists the available operating systems, platforms, and applications specifically supported by Veritas to be compatible with Backup Exec™ 20.

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

This release supports both Subscription and Perpetual licensing models.

- **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 20.3. For details about Backup Exec 20.3, see: <https://www.veritas.com/support/en_US/article.100041943>

Support for Windows Server 2019

• **NOTE: Veritas™ Backup Exec™ 20.3 has been validated with Windows Server® 2019 GA build number #17763.1.180914, released on October 2, 2018. Microsoft® has temporarily paused the distribution of Windows Server® 2019. Backup Exec™ will be certified with the next release of Windows Server®**

2019 as soon as it becomes available.

Agent for Applications and Databases

- Microsoft Exchange 2016 CU10
- Microsoft Exchange 2019
- Oracle 12c R2

Agent for Linux:

- CentOS 7.5
- Oracle Linux 7.5

AOFO Driver support for Linux

- RHEL 5.11, 6.7, 6.9, 7.4
- SUSE 11 SP4, 12 SP1, 12 SP3

Agent for VMware

- vSphere 6.7 Update 1

• Refer to **Retiring Soon** section for items planned for end-of-life

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Getting Started

Backup Exec Documentation

Item	Location
Backup Exec 20 Administrator's Guide	https://www.veritas.com/support/en_US/doc/59226269-133519926-0/index
Backup Exec 20 Command Line Interface Help Download	https://www.veritas.com/support/en_US/article.100044302
Backup Exec 20 Tuning and Performance Guide	https://www.veritas.com/content/support/en_US/doc/40056030-133620529-1
Backup Exec 20 Readme	https://www.veritas.com/support/en_US/doc/59226813-133519999-0/index
Backup Exec Subscription Licensing Guide	-
Hardware and Cloud Storage Compatibility List (HCL)	https://www.veritas.com/content/support/en_US/doc/BE_20_HCL

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
Operating System	<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 2008/2012/2012R2/2016. 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 2008 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>
Additional application support	
Internet Browser	Internet Explorer 9 or later
Processor	Intel 64, Xeon (64bit), AMD64, or compatible
Screen resolution	1024 x 768
Default instance database repository	SQL Express 2014 SP2
Memory	<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>
Installation disk space	<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>

Items	Requirements
Other Hardware	<p>The following hardware is recommended:</p> <ul style="list-style-type: none"> • Network interface card or a virtual network adapter card • CD/DVD drive • A mouse
Storage Hardware	<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>http://www.veritas.com/docs/000024527</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: http://windowsservercatalog.com/results.aspx?&bCatID=1372&cplID=2038
FIPS 140-2	Click to view the validation certificate: http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/140crt/FIPS140ConsolidatedCertList0018.pdf

Backup Exec Server Operating System Compatibility

Windows Operating System Compatibility

Microsoft

Microsoft - Windows 10

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

Microsoft - Windows Essential Business Server 2008

Name	Version	Service Pack	CPU Architecture
Windows Essential Business Server 2008	Premium	SP2	x86-64
Windows Essential Business Server 2008	Standard	SP2	x86-64

Microsoft - Windows Server 2008

Name	Version	Service Pack	CPU Architecture
Windows Server 2008	Datacenter Edition	SP2	x86-64
Windows Server 2008	Enterprise Edition	SP2	x86-64
Windows Server 2008	Foundation	SP2	x86-64
Windows Server 2008	Standard Edition	SP2	x86-64

Microsoft - Windows Server 2008 R2

Name	Version	Service Pack	CPU Architecture
Windows Server 2008 R2	Datacenter Edition	SP1	x86-64
Windows Server 2008 R2	Enterprise Edition	SP1	x86-64
Windows Server 2008 R2	Foundation	SP1	x86-64
Windows Server 2008 R2	Standard Edition	SP1	x86-64
Windows Server 2008 R2	Storage Server	SP1	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 Small Business Server 2008

Name	Version	Service Pack	CPU Architecture
Windows Small Business Server 2008	Standard	SP2	x86-64

Microsoft - Windows Small Business Server 2011

Name	Version	Service Pack	CPU Architecture
Windows Small Business Server 2011	Essentials	SP1	x86-64
Windows Small Business Server 2011	Premium Add-on	SP1	x86-64
Windows Small Business Server 2011	Standard	SP1	x86-64

Agent Operating System Compatibility

Agent for Windows Compatibility

Notes:

- Backup Exec 2014, 15 and 16 Agents are backwards compatible with Backup Exec 20 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.
- Any data that was previously backed up using the Intelligent Image Option can no longer be restored using Backup Exec 20.
- The Windows Operating Systems listed below are supported using both the Full version and Server Core version, where applicable.

Microsoft

Microsoft - Windows 7

Name	Version	Service Pack	CPU Architecture
Windows 7	Enterprise	SP1	x86-32, x86-64
Windows 7	Professional	SP1	x86-32, x86-64
Windows 7	Ultimate	SP1	x86-32, x86-64

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	1709	x86-64
Windows 10	Enterprise	1803	x86-64
Windows 10	Enterprise	1809	x86-64
Windows 10	Pro		x86-32, x86-64
Windows 10	Pro	1709	x86-64
Windows 10	Pro	1803	x86-64
Windows 10	Pro	1809	x86-64

Microsoft - Windows Essential Business Server 2008

Name	Version	Service Pack	CPU Architecture
Windows Essential Business Server 2008	Premium	SP2	x86-32, x86-64
Windows Essential Business Server 2008	Standard	SP2	x86-32, x86-64

Microsoft - Windows Server 2008

Name	Version	Service Pack	CPU Architecture
Windows Server 2008	Datacenter Edition	SP2	x86-32, x86-64
Windows Server 2008	Enterprise Edition	SP2	x86-32, x86-64
Windows Server 2008	Foundation	SP2	x86-32, x86-64
Windows Server 2008	Standard Edition	SP2	x86-32, x86-64

Microsoft - Windows Server 2008 R2

Name	Version	Service Pack	CPU Architecture
Windows Server 2008 R2	Datacenter Edition		x86-64
Windows Server 2008 R2	Datacenter Edition	SP1	x86-64
Windows Server 2008 R2	Enterprise Edition		x86-64
Windows Server 2008 R2	Enterprise Edition	SP1	x86-64
Windows Server 2008 R2	Foundation		x86-64
Windows Server 2008 R2	Foundation	SP1	x86-64
Windows Server 2008 R2	Standard Edition		x86-64
Windows Server 2008 R2	Standard Edition	SP1	x86-64
Windows Server 2008 R2	Storage Server	SP1	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	Datacenter	1709	x86-64
Windows Server 2016	Essentials		x86-64
Windows Server 2016	Standard		x86-64
Windows Server 2016	Standard	1709	x86-64

Microsoft - Windows Server 2016

Name	Version	Service Pack	CPU Architecture
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 Semi-Annual Channel

Name	Version	Service Pack	CPU Architecture
Windows Server Semi-Annual Channel	Windows Server 1709		x86-64
Windows Server Semi-Annual Channel	Windows Server 1803		x86-64

Microsoft - Windows Small Business Server 2008

Name	Version	Service Pack	CPU Architecture
Windows Small Business Server 2008	Premium	SP2	x86-32, x86-64
Windows Small Business Server 2008	Standard	SP2	x86-32, x86-64

Microsoft - Windows Small Business Server 2011

Name	Version	Service Pack	CPU Architecture
Windows Small Business Server 2011	Essentials		x86-64
Windows Small Business Server 2011	Essentials	SP1	x86-64
Windows Small Business Server 2011	Premium Add-on		x86-64
Windows Small Business Server 2011	Premium Add-on	SP1	x86-64
Windows Small Business Server 2011	Standard		x86-64
Windows Small Business Server 2011	Standard	SP1	x86-64

Microsoft - Windows Vista

Name	Version	Service Pack	CPU Architecture
Windows Vista	Business	SP2	x86-32, x86-64
Windows Vista	Enterprise	SP2	x86-32, x86-64
Windows Vista	Ultimate	SP2	x86-32, x86-64

Agent for Linux Compatibility

Notes:

- The Advanced Open File feature for 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.
- 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.

Asianux Consortium

Name	Version	Service Pack	CPU Architecture
Asianux [1]	3.0		x86-32, x86-64

1. Backup Exec client-side deduplication is supported for 64-bit Linux systems.

Canonical

Name	Version	Service Pack	CPU Architecture
Ubuntu [1] [2]	10.04		x86-32, x86-64
Ubuntu [1] [2]	11.10		x86-32, x86-64
Ubuntu [1] [3]	12.04		x86-32, x86-64
Ubuntu [1] [3]	12.10		x86-32, x86-64
Ubuntu [1] [3]	14.04		x86-32, x86-64
Ubuntu [1] [3]	16.04		x86-64
Ubuntu [1] [3]	17.04		x86-64
Ubuntu [1] [3]	18.04		x86-64

1. Advanced Open File Option is not supported.
2. File system support includes ext2, ext3, and ReiserFS.
3. File system support includes ext2, ext3, ext4, and ReiserFS.

Citrix

Name	Version	Service Pack	CPU Architecture
XenServer	5.0		x86-64
XenServer	6.2		x86-64
XenServer	6.5	SP1	x86-64
XenServer	7.2		x86-64

Debian

Name	Version	Service Pack	CPU Architecture
GNU/Linux	6.0		x86-32, x86-64
GNU/Linux	6.0	.1	x86-32, x86-64
GNU/Linux	6.0	.2	x86-32, x86-64
GNU/Linux	6.0	.3	x86-32, x86-64
GNU/Linux	7.0		x86-32, x86-64
GNU/Linux	7.0	.1	x86-32, x86-64
GNU/Linux	7.0	.2	x86-32, x86-64
GNU/Linux	7.0	.3	x86-32, x86-64
GNU/Linux	7.0	.4	x86-32, x86-64
GNU/Linux	7.0	.5	x86-32, x86-64
GNU/Linux	8.0		x86-32, x86-64
GNU/Linux	8.0	.9	x86-64
GNU/Linux	9.0		x86-64
GNU/Linux	9.0	.4	x86-64

Novell

Name	Version	Service Pack	CPU Architecture
Open Enterprise Server (Linux) [1] [2] [3]	11		x86-64
Open Enterprise Server (Linux) [1] [2] [3]	11	SP1	x86-64
Open Enterprise Server (Linux) [1] [2] [3]	11	SP2	x86-64

1. File system support includes Novell Storage Services (NSS) volumes.
2. GroupWise 2012 and GroupWise 2014 are not supported.
3. Linux client-side deduplication and Advanced Open File Option are not supported on Open Enterprise Server (OES).

Oracle

Name	Version	Service Pack	CPU Architecture
Linux	5		x86-32, x86-64
Linux	5	Update 1	x86-32, x86-64
Linux	5	Update 2	x86-32, x86-64
Linux	5	Update 3	x86-32, x86-64
Linux	5	Update 4	x86-32, x86-64
Linux	5	Update 5	x86-32, x86-64
Linux	5	Update 6	x86-32, x86-64
Linux	5	Update 7	x86-32, x86-64
Linux	6		x86-32, x86-64
Linux	6	Update 1	x86-32, x86-64
Linux	6	Update 2	x86-32, x86-64
Linux	6	Update 3	x86-32, x86-64
Linux	6	Update 4	x86-32, x86-64

Oracle

Name	Version	Service Pack	CPU Architecture
Linux	6	Update 5	x86-32, x86-64
Linux	7		x86-64
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

Red Hat

Name	Version	Service Pack	CPU Architecture
Enterprise Linux [1] [2] [3] [4]	5.0 (Advanced)	Update 5	x86-32, x86-64
Enterprise Linux [1] [2] [3] [4] [5]	5.0 (Advanced)	Update 6	x86-32, x86-64
Enterprise Linux [1] [2] [3] [4] [5]	5.0 (Advanced)	Update 7	x86-32, x86-64
Enterprise Linux [1] [2] [3] [4] [5]	5.0 (Advanced)	Update 8	x86-32, x86-64
Enterprise Linux [1] [2] [3] [4] [5]	5.0 (Advanced)	Update 9	x86-32, x86-64
Enterprise Linux [2] [4] [6]	5.0 (Advanced)	Update 10	x86-32, x86-64
Enterprise Linux [1] [2] [4] [6]	5.0 (Advanced)	Update 11	x86-32, x86-64
Enterprise Linux [1] [2] [3] [4]	5.0 (base)	Update 5	x86-32, x86-64
Enterprise Linux [1] [2] [3] [4] [5]	5.0 (base)	Update 6	x86-32, x86-64
Enterprise Linux [1] [2] [3] [4] [5]	5.0 (base)	Update 7	x86-32, x86-64
Enterprise Linux [1] [2] [3] [4] [5]	5.0 (base)	Update 8	x86-32, x86-64
Enterprise Linux [1] [2] [3] [4] [5]	5.0 (base)	Update 9	x86-32, x86-64
Enterprise Linux [2] [4] [6]	5.0 (base)	Update 10	x86-32, x86-64

Red Hat

Name	Version	Service Pack	CPU Architecture
Enterprise Linux [2] [4] [6]	5.0 (base)	Update 11	x86-32, x86-64
Enterprise Linux [1] [2] [3] [4] [5]	6.0	Update 1	x86-32, x86-64
Enterprise Linux [1] [2] [3] [4] [5]	6.0	Update 2	x86-32, x86-64
Enterprise Linux [1] [2] [3] [4] [5]	6.0	Update 3	x86-32, x86-64
Enterprise Linux [1] [2] [3] [4] [5]	6.0	Update 4	x86-32, x86-64
Enterprise Linux [2] [4] [6]	6.0	Update 5	x86-32, x86-64
Enterprise Linux [2] [4] [6]	6.0	Update 6	x86-32, x86-64
Enterprise Linux [1] [2] [4] [6] [7]	6.0	Update 7	x86-32, x86-64
Enterprise Linux [2] [4] [6] [7]	6.0	Update 8	x86-32, x86-64
Enterprise Linux [1] [2] [4] [6]	6.0	Update 9	x86-32, x86-64
Enterprise Linux [2] [4] [6] [7] [8]	7.0		x86-64
Enterprise Linux [2] [4] [6] [7] [8]	7.0	Update 1	x86-64
Enterprise Linux [2] [4] [6] [7] [8]	7.0	Update 2	x86-64
Enterprise Linux [2] [4] [6] [7] [8]	7.0	Update 3	x86-64
Enterprise Linux [1] [2] [4] [6] [8]	7.0	Update 4	x86-64
Enterprise Linux [2] [4] [6] [7] [8]	7.0	Update 5	x86-64

1. Advanced Open File Option for Linux file system support includes ext2, ext3, ext4 and ReiserFS.
2. Backup Exec client-side deduplication is supported for 64-bit Linux systems.
3. File system support includes ext2, ext3, ReiserFS, JFS, VxFS.
4. The Remote Agent for Linux Servers (RALUS) does not support Red Hat servers that have been installed using the 'minimal' installation option.
5. File system support includes ext4.
6. File system support includes ext2, ext3, and ext4.
7. Advanced Open File Option is not supported.
8. File system support includes XFS.

SUSE

Name	Version	Service Pack	CPU Architecture
SUSE Linux Enterprise Server [1] [2] [3]	11	SP1	x86-32, x86-64
SUSE Linux Enterprise Server [1] [2] [3]	11	SP2	x86-32, x86-64
SUSE Linux Enterprise Server [1] [2] [4]	11	SP3	x86-32, x86-64
SUSE Linux Enterprise Server [1] [2] [4]	11	SP4	x86-32, x86-64
SUSE Linux Enterprise Server [2] [4] [5] [6]	12		x86-64
SUSE Linux Enterprise Server [1] [2] [4] [6] [7]	12	SP1	x86-64
SUSE Linux Enterprise Server [1] [2] [4] [6] [7]	12	SP2	x86-64
SUSE Linux Enterprise Server [1] [2] [4] [6] [7]	12	SP3	x86-64

1. Advanced Open File Option for Linux file system support includes ext2, ext3, ext4 and ReiserFS.
2. Backup Exec client-side deduplication is supported for 64-bit Linux systems.
3. File system support includes ext2, ext3, ext4, ReiserFS, JFS, and VxFS.
4. File system support includes ext2, ext3, and ext4.
5. Advanced Open File Option is not supported.
6. File system support includes Btrfs.
7. The Remote Agent for Linux Servers (RALUS) does not support SUSE servers that have been installed using the 'minimal' installation option.

The CentOS Project

Name	Version	Service Pack	CPU Architecture
CentOS [1]	6.7		x86-32, x86-64
CentOS [1]	7.0		x86-64
CentOS [1]	7.1		x86-64
CentOS [1]	7.3		x86-64
CentOS	7.5		x86-64

1. Advanced Open File Option is not supported.

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.

Asianux Consortium

Name	Version	Service Pack	CPU Architecture
Asianux [1]	3.0		x86-32, x86-64

1. Backup Exec client-side deduplication is supported for 64-bit Linux systems.

Novell

Name	Version	Service Pack	CPU Architecture
Open Enterprise Server (Linux) [1]	11		x86-64
Open Enterprise Server (Linux) [1]	11	SP1	x86-64
Open Enterprise Server (Linux) [1]	11	SP2	x86-64

1. Linux client-side deduplication and Advanced Open File Option are not supported on Open Enterprise Server (OES).

Red Hat

Name	Version	Service Pack	CPU Architecture
Enterprise Linux [1] [2]	5.0 (Advanced)	Update 5	x86-32, x86-64
Enterprise Linux [1] [2]	5.0 (Advanced)	Update 6	x86-32, x86-64
Enterprise Linux [1] [2]	5.0 (Advanced)	Update 7	x86-32, x86-64
Enterprise Linux [1] [2]	5.0 (Advanced)	Update 8	x86-32, x86-64
Enterprise Linux [1] [2]	5.0 (Advanced)	Update 9	x86-32, x86-64
Enterprise Linux [1] [2] [3]	5.0 (Advanced)	Update 10	x86-32, x86-64
Enterprise Linux [1] [2]	5.0 (base)	Update 5	x86-32, x86-64
Enterprise Linux [1] [2]	5.0 (base)	Update 6	x86-32, x86-64
Enterprise Linux [1] [2]	5.0 (base)	Update 7	x86-32, x86-64
Enterprise Linux [1] [2]	5.0 (base)	Update 8	x86-32, x86-64
Enterprise Linux [1] [2]	5.0 (base)	Update 9	x86-32, x86-64
Enterprise Linux [1] [2] [3]	5.0 (base)	Update 10	x86-32, x86-64
Enterprise Linux [1] [2]	6.0	Update 1	x86-32, x86-64
Enterprise Linux [1] [2]	6.0	Update 2	x86-32, x86-64
Enterprise Linux [1] [2]	6.0	Update 3	x86-32, x86-64
Enterprise Linux [1] [2]	6.0	Update 4	x86-32, x86-64
Enterprise Linux [1] [2] [3]	6.0	Update 5	x86-32, x86-64
Enterprise Linux [1] [2] [3]	6.0	Update 6	x86-32, x86-64
Enterprise Linux [1] [2] [3] [4]	6.0	Update 7	x86-32, x86-64
Enterprise Linux [1] [2] [3] [4]	6.0	Update 8	x86-32, x86-64
Enterprise Linux [1] [2] [3]	6.0	Update 9	x86-32, x86-64
Enterprise Linux [1] [2] [3] [4] [5]	7.0		x86-64
Enterprise Linux [1] [2] [3] [4] [5]	7.0	Update 1	x86-64
Enterprise Linux [1] [2] [3] [4] [5]	7.0	Update 2	x86-64
Enterprise Linux [1] [2] [3] [4] [5]	7.0	Update 3	x86-64

Red Hat

Name	Version	Service Pack	CPU Architecture
Enterprise Linux [1] [2] [3] [5]	7.0	Update 4	x86-64
Enterprise Linux [1] [2] [3] [4] [5]	7.0	Update 5	x86-64

1. Backup Exec client-side deduplication is supported for 64-bit Linux systems.
2. The Remote Agent for Linux Servers (RALUS) does not support Red Hat servers that have been installed using the 'minimal' installation option.
3. File system support includes ext2, ext3, and ext4.
4. Advanced Open File Option is not supported.
5. File system support includes XFS.

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] [2]	11	SP3	x86-32, x86-64
SUSE Linux Enterprise Server [1] [2]	11	SP4	x86-32, x86-64
SUSE Linux Enterprise Server [1] [2] [3] [4]	12		x86-64
SUSE Linux Enterprise Server [1] [2] [4]	12	SP1	x86-64
SUSE Linux Enterprise Server [1] [2] [4]	12	SP2	x86-64
SUSE Linux Enterprise Server [1] [2] [4]	12	SP3	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. Advanced Open File Option is not supported.
4. File system support includes Btrfs.

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 2010/2013 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.

Microsoft

Microsoft - Exchange

Name	Version	Service Pack	CPU Architecture	OS
Exchange [1]	2010	SP1	x86-64	Windows
Exchange [1] [2]	2010	SP2	x86-64	Windows
Exchange [1] [2]	2010	SP3	x86-64	Windows
Exchange [2] [3]	2013	CU3	x86-64	Windows
Exchange [2] [3]	2013	CU5	x86-64	Windows
Exchange [2] [3]	2013	CU6	x86-64	Windows
Exchange [2] [3]	2013	CU7	x86-64	Windows
Exchange [2] [3]	2013	CU8	x86-64	Windows
Exchange [2] [3]	2013	CU9	x86-64	Windows
Exchange [2] [3]	2013	CU10	x86-64	Windows
Exchange [2] [3]	2013	CU11	x86-64	Windows
Exchange [2] [3]	2013	CU12	x86-64	Windows
Exchange [2] [3]	2013	CU13	x86-64	Windows
Exchange [2] [3]	2013	CU14	x86-64	Windows
Exchange [2] [3]	2013	CU15	x86-64	Windows
Exchange [2] [3]	2013	CU16	x86-64	Windows

Microsoft - Exchange

Name	Version	Service Pack	CPU Architecture	OS
Exchange [2] [3]	2013	CU17	x86-64	Windows
Exchange	2013	CU18	x86-64	Windows
Exchange	2013	CU19	x86-64	Windows
Exchange	2013	CU20	x86-64	Windows
Exchange	2013	CU21	x86-64	Windows
Exchange [2] [3]	2013	SP1	x86-64	Windows
Exchange [4]	2016		x86-64	Windows
Exchange [4]	2016	CU1	x86-64	Windows
Exchange [4]	2016	CU2	x86-64	Windows
Exchange [4]	2016	CU3	x86-64	Windows
Exchange [4]	2016	CU4	x86-64	Windows
Exchange [4]	2016	CU5	x86-64	Windows
Exchange [4]	2016	CU6	x86-64	Windows
Exchange [4]	2016	CU7	x86-64	Windows
Exchange [4]	2016	CU8	x86-64	Windows
Exchange [4]	2016	CU9	x86-64	Windows
Exchange	2016	CU10	x86-64	Windows
Exchange	2019		x86-64	Windows

1. To back up Microsoft Exchange Server 2010, you must install Backup Exec on a Microsoft Windows 2008 SP2 64-bit server or newer.
2. Backup Exec does not support Microsoft Exchange Management role scopes.
3. To back up Microsoft Exchange Server 2013, you must install Backup Exec on a Microsoft Windows 2008 R2 SP1 64-bit server or newer.
4. To back up Microsoft Exchange Server 2016, 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	2013		x86-64	Windows
SharePoint Server	2013	SP1	x86-64	Windows
SharePoint Server [1]	2016		x86-64	Windows

1. GRT is not supported for Microsoft SharePoint Server 2016.

Microsoft - SQL Express

Name	Version	Service Pack	CPU Architecture	OS
SQL Express	2005	SP4	x86-32, x86-64	Windows
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	2016	SP1	x86-64	Windows
SQL Express	2016	SP2	x86-64	Windows
SQL Express	2017		x86-64	Windows

Microsoft - SQL Server

Name	Version	Service Pack	CPU Architecture	OS
SQL Server [1]	2005	SP4	x86-32, x86-64	Windows
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

Microsoft - SQL Server

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

1. For mirroring and log shipping, only Full/Copy backups on the primary nodes are supported.
2. For "AlwaysOn Availability Groups", the Full backup method is supported for the Primary Replica SQL instance, or the Full Copy backup method is supported for the Secondary Replica SQL instance. Backups and restores are not supported via the SQL Listener name. Please see the following TechNote for further details: <http://www.veritas.com/docs/000021670>
3. Backup Exec does not support SQL Server 2014 in-memory databases.
4. Includes support of both 32bit and 64bit versions of SQL Server.

Microsoft - Windows Active Directory

Name	Version	Service Pack	CPU Architecture	OS
Windows Active Directory	2008	SP2	x86-32, x86-64	Windows
Windows Active Directory	2008 R2		x86-64	Windows
Windows Active Directory	2008 R2	SP1	x86-64	Windows
Windows Active Directory	2012		x86-64	Windows
Windows Active Directory [1]	2012 R2		x86-64	Windows
Windows Active Directory [1]	2016		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]	12c	R1	x86-64	Linux, Windows
Database	12c	R2	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.

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

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 Groups”, the Backup Exec Agent for Enterprise Vault does not support the protection.

Agent for VMware and Hyper-V Compatibility

Agent for Hyper-V Compatibility

Microsoft

Name	Version	Service Pack	CPU Architecture
Hyper-V Server	2008		x86-64
Hyper-V Server	2008	SP1	x86-64
Hyper-V Server	2008	SP2	x86-64
Hyper-V Server [1]	2008 R2		x86-64
Hyper-V Server [1]	2008 R2	SP1	x86-64
Hyper-V Server [1]	2012		x86-64
Hyper-V Server [1] [2]	2012 R2		x86-64
Hyper-V Server [1]	2016		x86-64
Hyper-V Server	2019		x86-64
Windows Server 2008	Datacenter Edition	SP2	x86-64
Windows Server 2008 R2 [1]	Datacenter Edition		x86-64
Windows Server 2008 R2 [1]	Datacenter Edition	SP1	x86-64
Windows Server 2008 R2 [1]	Enterprise Edition		x86-64
Windows Server 2008 R2 [1]	Enterprise Edition	SP1	x86-64
Windows Server 2012 [1]	Datacenter		x86-64
Windows Server 2012 [1]	Standard		x86-64
Windows Server 2012 R2 [1]	Datacenter		x86-64
Windows Server 2012 R2 [1]	Standard		x86-64
Windows Server 2016 [1]	Datacenter		x86-64
Windows Server 2016 [1]	Essentials		x86-64

Microsoft

Name	Version	Service Pack	CPU Architecture
Windows Server 2016 [1]	Standard		x86-64
Windows Server 2016 [1]	Storage Server		x86-64
Windows Server 2019	Datacenter		x86-64
Windows Server 2019	Essentials		x86-64
Windows Server 2019	Standard		x86-64

1. Veritas does not support Cluster Shared Volumes that are created on ReFS volumes or Cluster Shared Volumes with data deduplication enabled in Windows.
2. VSS writers report as failed on a Windows Server 2008-based virtual machine. <<http://support.microsoft.com/kb/2952783>>

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 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.

Agent for VMware Compatibility

VMware

Name	Version	Service Pack	CPU Architecture
ESXi	5.5		x86-64
ESXi	5.5	Update 1	x86-64
ESXi	5.5	Update 2	x86-64
ESXi	5.5	Update 3	x86-64
ESXi [1]	6.0	Update 1	x86-64
ESXi	6.0	Update 2	x86-64
ESXi	6.0	Update 3	x86-64
ESXi	6.5		x86-64
ESXi	6.5	Update 1	x86-64
ESXi	6.5	Update 2	x86-64
ESXi [2] [3]	6.7		x86-64
ESXi	6.7	Update 1	x86-64

1. Install "VMware ESXi 6.0, Patch Release ESXi600-201511001 (2137545)" for consistent backups. This ESX patch is mandatory, according to VMware, to fix the data loss situation reported in VMware KB article 2136854. For more information about the cause and the resolution of this issue, see: http://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=2136854

2. For BE 20.1, Protection of virtual machines with hardware version 14 is supported. However with exceptions, that "Conversion", "Instant Recovery" & "redirected restores (most recent hardware version option)" targeted to vSphere 6.7, will create virtual machines with hardware version 13.

3. From BE 20.2 onwards, there is complete support for vSphere 6.7 (including hardware version v14).

VMware: vCenter Compatibility

Name	Version	Service Pack
vCenter Server	5.5	
vCenter Server	5.5	Update 1
vCenter Server	5.5	Update 2
vCenter Server	5.5	Update 3
vCenter Server	6.0	
vCenter Server	6.0	Update 1
vCenter Server	6.0	Update 2
vCenter Server	6.0	Update 3
vCenter Server	6.5	
vCenter Server	6.5	Update 1
vCenter Server	6.5	Update 2
vCenter Server	6.7	
vCenter Server	6.7	Update 1
vCenter Server Appliance	5.5	
vCenter Server Appliance	5.5	Update 1
vCenter Server Appliance	5.5	Update 2
vCenter Server Appliance	5.5	Update 3
vCenter Server Appliance	6.0	
vCenter Server Appliance	6.0	Update 1
vCenter Server Appliance	6.0	Update 2
vCenter Server Appliance	6.0	Update 3
vCenter Server Appliance	6.5	
vCenter Server Appliance	6.5	Update 1
vCenter Server Appliance	6.5	Update 2
vCenter Server Appliance	6.7	

VMware: vCenter Compatibility

Name	Version	Service Pack
vCenter Server Appliance	6.7	Update 1

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.
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.
Windows Server 2019	Application-level GRT and file/folder-level GRT are NOT supported for Windows Server 2019 virtual machine. Refer following technote for details : https://www.veritas.com/support/en_US/article.100044076 .

VMware: VM Disk Structure

Configuration	Support
RDM disks - virtual compatibility mode	The data on the virtual compatibility mode RDM disk is backed up. GRT is not attempted. The virtual compatibility mode RDM disk cannot be restored. Perform a redirected restore to restore data on the virtual compatibility mode RDM disk.
RDM disks - physical compatibility mode or independent disks	The data on the physical compatibility mode 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 5.5, 6.0, 6.0 U1/U2/U3, 6.5,6.5 U1/U2 and 6.7 are supported.

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 20

Name	Version
Backup Exec	2014
Backup Exec	15
Backup Exec	16

Agent versions that can be temporarily used with Backup Exec 20

Name	Version	Service Pack
Backup Exec [1]	2014	latest Service Pack
Backup Exec [1]	15	latest Feature Pack
Backup Exec [1]	16	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 20

Name	Version	Service Pack
Backup Exec [1]	16	FP2, or later, Feature Pack

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 2008 SP2 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 Server 2008 R2 to Windows Server 2016.
- SDR Disk creation on Windows Server 2008 SP2 is supported using Microsoft Assessment and Deployment Kit (ADK) v8.1.
- 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 using Microsoft Assessment and Deployment Kit (ADK) 1809 is supported on Windows Server 2019.

Backup Exec Servers recoverable by SDR

Microsoft

Microsoft - Windows Essential Business Server 2008

Name	Version	Service Pack	CPU Architecture
Windows Essential Business Server 2008	Premium	SP2	x86-64
Windows Essential Business Server 2008	Standard	SP2	x86-64

Microsoft - Windows Server 2008

Name	Version	Service Pack	CPU Architecture
Windows Server 2008	Datacenter Edition	SP2	x86-64
Windows Server 2008	Enterprise Edition	SP2	x86-64
Windows Server 2008	Foundation	SP2	x86-64
Windows Server 2008	Standard Edition	SP2	x86-64

Microsoft - Windows Server 2008 R2

Name	Version	Service Pack	CPU Architecture
Windows Server 2008 R2	Datacenter Edition		x86-64
Windows Server 2008 R2	Datacenter Edition	SP1	x86-64
Windows Server 2008 R2	Enterprise Edition		x86-64
Windows Server 2008 R2	Enterprise Edition	SP1	x86-64
Windows Server 2008 R2	Foundation		x86-64
Windows Server 2008 R2	Foundation	SP1	x86-64
Windows Server 2008 R2	Standard Edition		x86-64
Windows Server 2008 R2	Standard Edition	SP1	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 Small Business Server 2008

Name	Version	Service Pack	CPU Architecture
Windows Small Business Server 2008	Premium	SP2	x86-64
Windows Small Business Server 2008	Standard	SP2	x86-64

Microsoft - Windows Small Business Server 2011

Name	Version	Service Pack	CPU Architecture
Windows Small Business Server 2011	Essentials		x86-64
Windows Small Business Server 2011	Essentials	SP1	x86-64
Windows Small Business Server 2011	Premium Add-on		x86-64
Windows Small Business Server 2011	Premium Add-on	SP1	x86-64
Windows Small Business Server 2011	Standard		x86-64
Windows Small Business Server 2011	Standard	SP1	x86-64

Agent for Windows recoverable by SDR

Microsoft

Microsoft - Windows 7

Name	Version	Service Pack	CPU Architecture
Windows 7	Enterprise		x86-32, x86-64
Windows 7	Enterprise	SP1	x86-32, x86-64
Windows 7	Professional		x86-32, x86-64
Windows 7	Professional	SP1	x86-32, x86-64
Windows 7	Ultimate		x86-32, x86-64
Windows 7	Ultimate	SP1	x86-32, x86-64

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	1709	x86-64
Windows 10	Enterprise	1803	x86-64
Windows 10	Enterprise	1809	x86-64
Windows 10	Pro		x86-32, x86-64
Windows 10	Pro	1709	x86-64
Windows 10	Pro	1803	x86-64
Windows 10	Pro	1809	x86-64

Microsoft - Windows Essential Business Server 2008

Name	Version	Service Pack	CPU Architecture
Windows Essential Business Server 2008	Premium	SP2	x86-32, x86-64
Windows Essential Business Server 2008	Standard	SP2	x86-32, x86-64

Microsoft - Windows Server 2008

Name	Version	Service Pack	CPU Architecture
Windows Server 2008	Datacenter Edition	SP2	x86-32, x86-64
Windows Server 2008	Enterprise Edition	SP2	x86-32, x86-64
Windows Server 2008	Foundation	SP2	x86-32, x86-64
Windows Server 2008	Standard Edition	SP2	x86-32, x86-64

Microsoft - Windows Server 2008 R2

Name	Version	Service Pack	CPU Architecture
Windows Server 2008 R2	Datacenter Edition		x86-64
Windows Server 2008 R2	Datacenter Edition	SP1	x86-64
Windows Server 2008 R2	Enterprise Edition		x86-64
Windows Server 2008 R2	Enterprise Edition	SP1	x86-64
Windows Server 2008 R2	Foundation		x86-64
Windows Server 2008 R2	Foundation	SP1	x86-64
Windows Server 2008 R2	Standard Edition		x86-64
Windows Server 2008 R2	Standard Edition	SP1	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 Small Business Server 2008

Name	Version	Service Pack	CPU Architecture
Windows Small Business Server 2008	Premium	SP2	x86-32, x86-64
Windows Small Business Server 2008	Standard	SP2	x86-32, x86-64

Microsoft - Windows Small Business Server 2011

Name	Version	Service Pack	CPU Architecture
Windows Small Business Server 2011	Essentials		x86-32, x86-64
Windows Small Business Server 2011	Essentials	SP1	x86-32, x86-64
Windows Small Business Server 2011	Premium Add-on		x86-32, x86-64
Windows Small Business Server 2011	Premium Add-on	SP1	x86-32, x86-64
Windows Small Business Server 2011	Standard		x86-32, x86-64
Windows Small Business Server 2011	Standard	SP1	x86-32, x86-64

Microsoft - Windows Vista

Name	Version	Service Pack	CPU Architecture
Windows Vista	Business	SP2	x86-32, x86-64
Windows Vista	Enterprise	SP2	x86-32, x86-64
Windows Vista	Ultimate	SP2	x86-32, x86-64

ISO Creation Supported by SDR

Microsoft

Microsoft - Windows 7

Name	Version	Service Pack	CPU Architecture
Windows 7	Enterprise	SP1	x86-64
Windows 7	Professional	SP1	x86-64
Windows 7	Ultimate	SP1	x86-64

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	1709	x86-64
Windows 10	Enterprise	1803	x86-64
Windows 10	Enterprise	1809	x86-64
Windows 10	Pro		x86-64
Windows 10	Pro	1709	x86-64
Windows 10	Pro	1803	x86-64
Windows 10	Pro	1809	x86-64

Microsoft - Windows Essential Business Server 2008

Name	Version	Service Pack	CPU Architecture
Windows Essential Business Server 2008	Premium	SP2	x86-64
Windows Essential Business Server 2008	Standard	SP2	x86-64

Microsoft - Windows Server 2008

Name	Version	Service Pack	CPU Architecture
Windows Server 2008	Datacenter Edition	SP2	x86-64
Windows Server 2008	Enterprise Edition	SP2	x86-64
Windows Server 2008	Foundation	SP2	x86-64
Windows Server 2008	Standard Edition	SP2	x86-64

Microsoft - Windows Server 2008 R2

Name	Version	Service Pack	CPU Architecture
Windows Server 2008 R2	Datacenter Edition	SP1	x86-64
Windows Server 2008 R2	Enterprise Edition	SP1	x86-64
Windows Server 2008 R2	Standard Edition	SP1	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 Small Business Server 2008

Name	Version	Service Pack	CPU Architecture
Windows Small Business Server 2008	Premium	SP2	x86-64
Windows Small Business Server 2008	Standard	SP2	x86-64

Microsoft - Windows Small Business Server 2011

Name	Version	Service Pack	CPU Architecture
Windows Small Business Server 2011	Essentials	SP1	x86-64
Windows Small Business Server 2011	Premium Add-on	SP1	x86-64
Windows Small Business Server 2011	Standard	SP1	x86-64

Convert to Virtual

Notes:

- The Convert to Virtual feature supports both Hyper-V and VMware ESX environments.
- Windows Server 2008 SP2 is not supported as a target Hyper-V host for the virtual machine. The target machine must be running Windows Server 2008 R2, or later.
- 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 VMware servers are no longer supported.

Supported Operating Systems

Version	x32bit	x64bit
Windows Server 2008	Supported	Supported
Windows Server 2008 R2 [1]	N/A	Supported
Windows Server 2012	N/A	Supported
Windows Server 2012 R2	N/A	Supported

1. Windows 2008 R2 SP1 or later required

Supported Applications

Name	x32bit	x64bit
Exchange 2010	N/A	Supported
Exchange 2013	N/A	Supported
SQL 2005 [1]	Supported	Supported
SQL 2008	Supported	Supported
SQL 2008 R2	Supported	Supported
SQL 2012	Supported	Supported
Active Directory 2008	Supported	Supported
Active Directory 2008 R2	N/A	Supported
Active Directory 2012	N/A	Supported
Active Directory 2012 R2	N/A	Supported

1. Requires SQL Server/Express 2005 SP4

Remote Admin Console (RAC)

Notes:

The Remote Administrator Console can be installed on any operating system listed in the "Backup Exec 20 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 7	Enterprise	SP1	x86-64bit
Windows 7	Ultimate	SP1	x86-64bit
Windows 7	Professional	SP1	x86-64bit
Windows 8	Pro		x86-64bit
Windows 8	Enterprise		x86-64bit

Additional Operating System Compatibility

Name	Version	Service Pack	CPU Architecture
Windows 8.1	Pro		x86-64bit
Windows 8.1	Enterprise		x86-64bit
Windows Vista	Professional	SP2	x86-64bit
Windows Vista	Ultimate	SP2	x86-64bit
Windows Vista	Business	SP2	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

Backup Exec Server Compatibility

Remote Admin Console (RAC)	Backup Exec Server
Backup Exec 20	Backup Exec 20

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	2016	
Microsoft SQL Server and Express	2016	SP1
Microsoft SQL Server and Express	2016	SP2
Microsoft SQL Server and Express	2017	

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 or 4.0
- 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:

- 32-bit Outlook 2010
- Outlook 2013 is not supported.
- 64-bit Outlook clients in any version 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>>
- <<http://support.microsoft.com/kb/830336>>

Microsoft Outlook Versions	Exchange 2010 64-bit	Exchange 2013 64-bit	Exchange 2016 64-bit
Outlook 2010 32-bit	Supported	Supported	Supported
Outlook 2010 64-bit	Not Supported	Not Supported	Not Supported
Outlook 2013 32-bit	Not Supported	Not Supported	Not Supported
Outlook 2013 64-bit	Not Supported	Not Supported	Not Supported
Outlook 2016 32-bit	Not Supported	Not Supported	Not Supported
Outlook 2016 64-bit	Not Supported	Not Supported	Not 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 2008	Supported	Supported	N/A
Active Directory 2008 R2	N/A	Supported	N/A
Active Directory 2012	N/A	Supported	N/A
Active Directory 2012 R2	N/A	Supported	N/A
Microsoft Exchange 2010	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 2005	Supported	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.

Cluster Support

For Windows operating systems, Backup Exec supports file share clusters for all supported versions and variations of Windows that feature cluster services (MSCS).

Note:

- File System Archiving cannot be done from the Windows 2008 cluster shares. Windows 2008 R2 cluster shares are required.

Name	Notes
Microsoft SQL Server 2005	Microsoft Cluster Server
Microsoft SQL Server 2008	Microsoft Cluster Server
Microsoft SQL Server 2008 R2	Microsoft Cluster Server
Microsoft SQL Server 2012	Microsoft Cluster Server
Microsoft SQL Server 2014	Microsoft Cluster Server
Microsoft SQL Server 2016	Microsoft Cluster Server
Microsoft Exchange 2010	DAG [1]
Microsoft Exchange 2013	DAG [1]
Microsoft Exchange 2016	DAG [1]
Oracle	Supported with RAC, Microsoft Cluster Server 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

This section to be expanded as needed, for the next release of Backup Exec

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>

Agent for Linux Compatibility

Name	Version	Service Pack	OS Platform	Notes
Asianux	3.0	N/A	x86-32, x86-64	
Ubuntu	10.04	N/A	x86-32, x86-64	
Ubuntu	11.10	N/A	x86-32, x86-64	
Ubuntu	12.04	N/A	x86-32, x86-64	
Ubuntu	12.10	N/A	x86-32, x86-64	
Ubuntu	17.04	N/A	x86-32, x86-64	
Citrix XenServer	5.0	N/A	x86-64	
Citrix XenServer	6.2	N/A	x86-64	
Citrix XenServer	6.5	SP1	x86-64	
Debian	6.0	N/A	x86-32, x86-64	
Debian	6.0.1	N/A	x86-32, x86-64	
Debian	6.0.2	N/A	x86-32, x86-64	
Debian	6.0.3	N/A	x86-32, x86-64	
Debian	7.0	N/A	x86-32, x86-64	

Agent for Linux Compatibility

Name	Version	Service Pack	OS Platform	Notes
Debian	7.0.1	N/A	x86-32, x86-64	
Debian	7.0.2	N/A	x86-32, x86-64	
Debian	7.0.3	N/A	x86-32, x86-64	
Debian	7.0.4	N/A	x86-32, x86-64	
Debian	7.0.5	N/A	x86-32, x86-64	
Novell OES	11	N/A	x86-64	
Novell OES	11	SP1	x86-64	
Novell OES	11	SP2	x86-64	
Red Hat	5.0 to 5.9	N/A	x86-32, x86-64	
Red Hat	6.0 to 6.6	N/A	x86-32, x86-64	
Red Hat	7.0 to 7.2	N/A	x86-32, x86-64	
SUSE Enterprise Linux	11	SP1	x86-32, x86-64	
SUSE Enterprise Linux	11	SP2	x86-32, x86-64	