

Backup Exec 2012 Software Compatibility List (SCL)

Created on April 18, 2012

General Information

This document lists the available operating systems, platforms, and applications specifically tested by Symantec to be compatible with Backup Exec™ 2012.

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

1. Symantec support of 3rd party manufacturer products: Symantec will cooperate with 3rd party vendors and attempt to assist in the diagnosis of problems found between the 3rd party products and Symantec products. Symantec Technical Support, for the combination of Symantec 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, Symantec also will no longer be able to provide support on that product in combination with our products.

2. Minor dot (.) version support: The contents of this document including 3rd party applications, databases, operating systems, in combination with Symantec products represent what has been tested in Symantec labs, or in Symantec-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, Symantec will provide "reasonable effort" support on these versions until specific testing of them has completed.

3. Not every combination of software and hardware has been tested: Symantec provides reasonable efforts 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 tested by Symantec, it may work fine but it has not been explicitly tested by Symantec with Backup Exec and may not be eligible for support.

4. To request additions to this list: If a particular platform is not currently listed as being supported, a request for additions to this list can be made through the Symantec Product Enhancement web site: <http://enhancement.symantec.com>

5. The Remote Administrator can be installed on any operating system listed in the "Backup Exec Server Operating System Compatibility" section.

6. 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. In most cases, we do not support Alternative Configurations, and we have no obligation to provide Support Services to Licensed Software in an Alternative Configuration. Symantec 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 Symantec 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 we may elect not to work on that problem.

Getting Started

Item	Location
What's Different in Backup Exec 2012	<http://www.symantec.com/docs/DOC5216>
Licensing Information	<http://www.symantec.com/docs/TECH178483>
Instructional Videos	<http://www.backupexec.com/videos>
Backup Exec 2012 Readme	<http://www.symantec.com/docs/DOC5215>
Backup Exec 2012 Administrator's Guide	<http://www.symantec.com/docs/DOC5211>
Upgrade Guide	<http://www.symantec.com/docs/TECH180232>
Software Compatibility List (SCL)	<http://www.symantec.com/docs/TECH175581>
Hardware Compatibility List (HCL)	<http://www.symantec.com/docs/TECH175582>

Minimum System Requirements

Item	Requirement	Notes
Operating system	Various	See Operating system section for Server and Agents in this document
Internet Browser	Internet Explorer 7.0 or later	
Processor	Intel Pentium, Xeon, AMD, or compatible	Multiple Cores will speed up performance
SQL Server or SQL Express	SQL 2005 or SQL Express 2005 Service Pack 4 or later is required	Service Pack 4 is required for a clean install, Service Pack 2 for either SQL 2005 or SQL 2005 Express is sufficient to begin an upgrade from a previous Backup Exec version. SQL will be updated to Service Pack 4 via the upgrade process.
Memory	1 GB RAM required	2 GB RAM or more recommended for better performance. RAM requirements may vary depending on the operations performed, the options installed, and the specific computer configuration. See the Administrator's Guide for specific memory requirements per agent or option.
Installation Space	1.44 GB Typical install, 2.32 GB for all options	Additional space required as database and catalogs grow. 330 MB additional space required if SQL Express is to be installed.
Storage Hardware	Hard Disk, media drives, robotic libraries, or removable storage devices	Compatible storage devices are listed at <http://www.symantec.com/docs/TECH175582>

Certifications

The following certifications have been validated with Backup Exec 2012.

Microsoft Platform Certifications

Certification Name
Certified for Windows Server 2008 (Hyper V)
Certified for Windows Server 2008 R2 (Hyper V)

For a complete list of Backup Exec Windows Logo certifications, click <<http://windowsservercatalog.com/results.aspx?&bCatID=1372&cplID=2038>>

Standards and Applications Certifications

Certification Name
FIPS 140-2
VMware Ready Data Protection for VMware 5.0

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<u>Symantec Product Compatibility and Upgrade information</u>	<u>3rd Party Software Compatibility</u>	<u>End-of-Life information</u>

Backup Exec 2012 Server - Operating System Compatibility

Windows Operating System Compatibility

Note: Backup Exec database agents are only supported on the Microsoft Windows OS platforms that the database manufacturers themselves support.

Note: Configuring a tape device with a virtual machine is considered an "Alternate Configuration". See details in the General Information section of this document for a description of this term. For more details on the configuration of virtual machines with tape devices, see the following related articles, <http://www.symantec.com/docs/TECH146293>, and <http://www.symantec.com/docs/TECH70246>.

Microsoft

Name	Version	Service Pack	CPU Architecture
Windows Essential Business Server 2008	Premium		x86-32, x86-64
Windows Essential Business Server 2008	Standard		x86-32, x86-64
Windows Server 2003	Datacenter Edition	SP2	x86-32, x86-64
Windows Server 2003	Enterprise Edition	SP2	x86-32, x86-64
Windows Server 2003	Standard Edition	SP2	x86-32, x86-64
Windows Server 2003	Storage Server	SP2	x86-32, x86-64
Windows Server 2003	Web Edition	SP2	x86-32, x86-64
Windows Server 2003 R2	Datacenter Edition	SP2	x86-32, x86-64
Windows Server 2003 R2	Enterprise Edition	SP2	x86-32, x86-64
Windows Server 2003 R2	Standard Edition	SP2	x86-32, x86-64
Windows Server 2003 R2	Storage Server	SP2	x86-32, x86-64
Windows Server 2003 R2	Web Edition	SP2	x86-32, x86-64
Windows Server 2008	Datacenter Edition		x86-32, x86-64
Windows Server 2008	Datacenter Edition	SP1	x86-32, x86-64
Windows Server 2008	Datacenter Edition	SP2	x86-32, x86-64
Windows Server 2008	Enterprise Edition		x86-32, x86-64

Microsoft

Name	Version	Service Pack	CPU Architecture
Windows Server 2008	Enterprise Edition	SP1	x86-32, x86-64
Windows Server 2008	Enterprise Edition	SP2	x86-32, x86-64
Windows Server 2008	Foundation		x86-32, x86-64
Windows Server 2008	Foundation	SP1	x86-32, x86-64
Windows Server 2008	Foundation	SP2	x86-32, x86-64
Windows Server 2008	Standard Edition		x86-32, x86-64
Windows Server 2008	Standard Edition	SP1	x86-32, x86-64
Windows Server 2008	Standard Edition	SP2	x86-32, x86-64
Windows Server 2008	Storage Server		x86-32, x86-64
Windows Server 2008	Storage Server	SP1	x86-32, x86-64
Windows Server 2008	Storage Server	SP2	x86-32, x86-64
Windows Server 2008	Web Edition		x86-32, x86-64
Windows Server 2008	Web Edition	SP1	x86-32, x86-64
Windows Server 2008	Web Edition	SP2	x86-32, x86-64
Windows Server 2008 R2	Datacenter Edition		x86-64
Windows Server 2008 R2	Datacenter Edition	SP1	x86-64
Windows Server 2008 R2	Datacenter Edition with Hyper-V		x86-64
Windows Server 2008 R2	Datacenter Edition with Hyper-V	SP1	x86-64
Windows Server 2008 R2	Enterprise Edition		x86-64
Windows Server 2008 R2	Enterprise Edition	SP1	x86-64
Windows Server 2008 R2	Enterprise Edition with Hyper-V		x86-64
Windows Server 2008 R2	Enterprise Edition with Hyper-V	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

Name	Version	Service Pack	CPU Architecture
Windows Server 2008 R2	Standard Edition with Hyper-V		x86-64
Windows Server 2008 R2	Standard Edition with Hyper-V	SP1	x86-64
Windows Server 2008 R2	Storage Server		x86-64
Windows Server 2008 R2	Storage Server	SP1	x86-64
Windows Server 2008 R2 [1]	Web Edition		x86-64
Windows Server 2008 R2	Web Edition	SP1	x86-64
Windows Small Business Server 2003	Premium	SP2	x86-32, x86-64
Windows Small Business Server 2003	Standard	SP2	x86-32, x86-64
Windows Small Business Server 2003 R2	Premium	SP2	x86-32, x86-64
Windows Small Business Server 2003 R2	Standard	SP2	x86-32, x86-64
Windows Small Business Server 2008 [1]	Premium		x86-32, x86-64
Windows Small Business Server 2008 [1]	Standard		x86-32, x86-64
Windows Small Business Server 2011	Essentials		x86-64
Windows Small Business Server 2011	Premium Add-on		x86-64
Windows Small Business Server 2011	Standard		x86-64
Windows Unified Data Storage Server 2003	Enterprise Edition	SP2	x86-64

1. Virtualized installations of Backup Exec Small Business Edition in the Microsoft SBS 2008 operating system on the Microsoft Hyper-V platform require special considerations when using tape backup devices. For more information, please see the following Technote to understand these limitations
<http://www.symantec.com/docs/TECH125965>

Remote Media Agent for Linux Compatibility

Note: The Agent for Linux does not support the Simplified Disaster Recovery feature.

Asianux Consortium

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

Novell

Name	Version	Service Pack	CPU Architecture
Open Enterprise Server (Linux)	2		x86-32, x86-64
Open Enterprise Server (Linux)	2	SP1	x86-32, x86-64
Open Enterprise Server (Linux)	2	SP2	x86-32, x86-64
Open Enterprise Server (Linux)	2	SP3	x86-32, x86-64
Open Enterprise Server (Linux)	2	SP4	x86-32, x86-64
SUSE Linux Enterprise Server [1]	10		x86-32, x86-64
SUSE Linux Enterprise Server [1]	10	SP2	x86-32, x86-64
SUSE Linux Enterprise Server [1]	10	SP3	x86-32, x86-64
SUSE Linux Enterprise Server [1]	10	SP4	x86-32, x86-64
SUSE Linux Enterprise Server [1]	11		x86-32, x86-64
SUSE Linux Enterprise Server [1]	11	SP1	x86-32, x86-64

1. Ext 2, Ext 3, Reiser FS, JFS, VxFS

Red Hat

Name	Version	Service Pack	CPU Architecture
Enterprise Linux [1]	5.0 (Advanced)		x86-32, x86-64
Enterprise Linux [1]	5.0 (Advanced)	Update 1	x86-32, x86-64
Enterprise Linux [1]	5.0 (Advanced)	Update 2	x86-32, x86-64
Enterprise Linux [1]	5.0 (Advanced)	Update 3	x86-32, x86-64
Enterprise Linux [1]	5.0 (Advanced)	Update 4	x86-32, x86-64
Enterprise Linux [1]	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]	5.0 (base)		x86-32, x86-64
Enterprise Linux [1]	5.0 (base)	Update 1	x86-32, x86-64
Enterprise Linux [1]	5.0 (base)	Update 2	x86-32, x86-64
Enterprise Linux [1]	5.0 (base)	Update 3	x86-32, x86-64
Enterprise Linux [1]	5.0 (base)	Update 4	x86-32, x86-64
Enterprise Linux [1]	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]	6.0		x86-32, x86-64
Enterprise Linux [1] [2]	6.0	Update 1	x86-32, x86-64

1. Ext 2, Ext 3, Reiser FS, JFS, VxFS

2. Ext 4

Backup Exec 2012 Agent - Operating System Compatibility

Agent for Windows Compatibility

Backup Exec 12.5, 2010, 2010 R2, and 2010 R3 Agents are compatible with 2012 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. Please refer to <http://www.symantec.com/docs/TECH39208> for more details.

Please see <http://www.symantec.com/docs/TECH39208> for caveats when in a CASO environment.

Note: Anything previously backed up using the Intelligent Image Option can no longer be restored using Backup Exec 2012

Note: All backup methods: Full, Differential, Incremental using modified time are supported only if the Agent for Windows (AWS) or the Agent for Linux Systems (RALUS) is installed. For systems unable to have either agent installed, only the backup method "Full" is supported. Systems without an agent are unable to gather the information necessary to support any other backup method.

Note regarding Windows 2008 R2: Even though Windows Server 2008 R2 is exclusively a 64-bit operating system, 32-bit applications are supported by enabling the WoW64 optional feature. If this feature is not enabled and you try to run a 32-bit application, the application will fail to execute. The WoW64 execution layer is an optional component that is installed by default on R2 releases after beta1. You can save resources by removing the feature if you are not going to be running 32-bit applications on your Server Core install.

Citrix

Name	Version	Service Pack	CPU Architecture
Metaframe [1]	XPa	FP2	x86-32
Metaframe [1]	XPa	FP3	x86-32
Metaframe [1]	XPe	FP2	x86-32
Metaframe [1]	XPe	FP3	x86-32
Metaframe [1]	XPs	FP2	x86-32
Metaframe [1]	XPs	FP3	x86-32
Presentation Server [1]	3		x86-32

1. The Simplified Disaster Recovery option for Backup Exec is not compatible with Citrix MetaFrame XPs, XPa, XPe, and Presentation Server. The Citrix XP platform can be used as both a server and/or client for Backup Exec 2012.

Microsoft

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
Windows Essential Business Server 2008	Premium		x86-32, x86-64
Windows Essential Business Server 2008	Standard		x86-32, x86-64
Windows Server 2003	Datacenter Edition	SP2	x86-32, x86-64
Windows Server 2003	Enterprise Edition	SP2	x86-32, x86-64
Windows Server 2003	Standard Edition	SP2	x86-32, x86-64
Windows Server 2003	Storage Server	SP2	x86-32, x86-64
Windows Server 2003	Web Edition	SP2	x86-32, x86-64
Windows Server 2003 R2	Datacenter Edition	SP2	x86-32, x86-64
Windows Server 2003 R2	Enterprise Edition	SP2	x86-32, x86-64
Windows Server 2003 R2	Standard Edition	SP2	x86-32, x86-64
Windows Server 2003 R2	Storage Server	SP2	x86-32, x86-64
Windows Server 2003 R2	Web Edition	SP2	x86-32, x86-64
Windows Server 2008	Core		x86-32, x86-64
Windows Server 2008	Core	SP1	x86-32, x86-64
Windows Server 2008	Core	SP2	x86-32, x86-64
Windows Server 2008	Datacenter Edition		x86-32, x86-64
Windows Server 2008	Datacenter Edition	SP1	x86-32, x86-64
Windows Server 2008	Datacenter Edition	SP2	x86-32, x86-64
Windows Server 2008	Enterprise Edition		x86-32, x86-64

Microsoft

Name	Version	Service Pack	CPU Architecture
Windows Server 2008	Enterprise Edition	SP1	x86-32, x86-64
Windows Server 2008	Enterprise Edition	SP2	x86-32, x86-64
Windows Server 2008	Foundation		x86-32, x86-64
Windows Server 2008	Foundation	SP1	x86-32, x86-64
Windows Server 2008	Foundation	SP2	x86-32, x86-64
Windows Server 2008	Standard Edition		x86-32, x86-64
Windows Server 2008	Standard Edition	SP1	x86-32, x86-64
Windows Server 2008	Standard Edition	SP2	x86-32, x86-64
Windows Server 2008	Storage Server		x86-32, x86-64
Windows Server 2008	Storage Server	SP1	x86-32, x86-64
Windows Server 2008	Storage Server	SP2	x86-32, x86-64
Windows Server 2008	Web Edition		x86-32, x86-64
Windows Server 2008	Web Edition	SP1	x86-32, x86-64
Windows Server 2008	Web Edition	SP2	x86-32, x86-64
Windows Server 2008 R2	Core		x86-64
Windows Server 2008 R2	Core	SP1	x86-64
Windows Server 2008 R2	Core with Hyper-V		x86-64
Windows Server 2008 R2	Datacenter Edition		x86-64
Windows Server 2008 R2	Datacenter Edition	SP1	x86-64
Windows Server 2008 R2	Datacenter Edition with Hyper-V		x86-64
Windows Server 2008 R2	Datacenter Edition with Hyper-V	SP1	x86-64
Windows Server 2008 R2	Enterprise Edition		x86-64
Windows Server 2008 R2	Enterprise Edition	SP1	x86-64
Windows Server 2008 R2	Enterprise Edition with Hyper-V		x86-64
Windows Server 2008 R2	Enterprise Edition with Hyper-V	SP1	x86-64
Windows Server 2008 R2	Foundation		x86-64

Microsoft

Name	Version	Service Pack	CPU Architecture
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	Standard Edition with Hyper-V		x86-64
Windows Server 2008 R2	Standard Edition with Hyper-V	SP1	x86-64
Windows Server 2008 R2	Storage Server		x86-64
Windows Server 2008 R2	Storage Server	SP1	x86-64
Windows Server 2008 R2	Web Edition		x86-64
Windows Server 2008 R2	Web Edition	SP1	x86-64
Windows Small Business Server 2003	Premium	SP2	x86-32, x86-64
Windows Small Business Server 2003	Standard	SP2	x86-32, x86-64
Windows Small Business Server 2003 R2	Premium	SP2	x86-32, x86-64
Windows Small Business Server 2003 R2	Standard	SP2	x86-32, x86-64
Windows Small Business Server 2008	Premium		x86-32, x86-64
Windows Small Business Server 2008	Standard		x86-32, x86-64
Windows Small Business Server 2011	Essentials		x86-64
Windows Small Business Server 2011	Premium Add-on		x86-64
Windows Small Business Server 2011	Standard		x86-64
Windows Unified Data Storage Server 2003	Enterprise Edition	SP2	x86-64
Windows Vista [1]	Business		x86-32, x86-64
Windows Vista [1]	Business	SP1	x86-32, x86-64
Windows Vista [1]	Business	SP2	x86-32, x86-64
Windows Vista [1]	Enterprise		x86-32, x86-64
Windows Vista [1]	Enterprise	SP1	x86-32, x86-64
Windows Vista [1]	Enterprise	SP2	x86-32, x86-64
Windows Vista [1]	Ultimate		x86-32, x86-64

Microsoft

Name	Version	Service Pack	CPU Architecture
Windows Vista [1]	Ultimate	SP1	x86-32, x86-64
Windows Vista [1]	Ultimate	SP2	x86-32, x86-64
Windows XP [2]	Home Edition	SP2	x86-32
Windows XP	Home Edition	SP3	x86-32
Windows XP [2]	Professional	SP2	x86-32, x86-64
Windows XP	Professional	SP3	x86-32, x86-64
Windows XP	Tablet PC Edition	SP3	x86-32

1. Please see the following technote for Vista configuration details <<http://www.symantec.com/docs/TECH51307>>
2. For more information about Windows XP Service Pack 2, please see Technote: <<http://www.symantec.com/docs/TECH33746>>

Agent for Linux Compatibility

Note: The Agent for Linux does not support the Simplified Disaster Recovery feature.

Note: The differential and incremental backup methods using modified time are only supported if the Agent for Linux is installed. For systems unable to have either agent installed, the only modified time backup method that is supported is **Full**. Systems without an agent are unable to gather the information necessary to support the differential or incremental using modified time methods.

Asianux Consortium

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

1. Linux Client Side De-duplication is supported only on 64-bit.

Canonical

Name	Version	Service Pack	CPU Architecture
Ubuntu	8.04		x86-64
Ubuntu	10.04		x86-32, x86-64
Ubuntu	10.10		x86-32, x86-64
Ubuntu	11.04		x86-32, x86-64

Citrix

Name	Version	Service Pack	CPU Architecture
XenServer	5.0		x86-32, x86-64

Debian

Name	Version	Service Pack	CPU Architecture
GNU/Linux [1]	5.0		x86-32, x86-64
GNU/Linux [1]	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

1. Debian does not support snapshot capabilities.

Novell

Name	Version	Service Pack	CPU Architecture
Open Enterprise Server (Linux) [1]	2		x86-32, x86-64
Open Enterprise Server (Linux) [1]	2	SP1	x86-32, x86-64
Open Enterprise Server (Linux) [1]	2	SP2	x86-32, x86-64
Open Enterprise Server (Linux) [1]	2	SP3	x86-32, x86-64
SUSE Linux Enterprise Server [2] [3] [4]	10		x86-32, x86-64
SUSE Linux Enterprise Server [2] [3] [4] [5]	10	SP2	x86-32, x86-64
SUSE Linux Enterprise Server [2] [3] [4] [5]	10	SP3	x86-32, x86-64
SUSE Linux Enterprise Server [2] [3] [4] [5]	10	SP4	x86-32, x86-64
SUSE Linux Enterprise Server [2] [3] [4] [5]	11		x86-32, x86-64
SUSE Linux Enterprise Server [2] [3] [4] [5]	11	SP1	x86-32, x86-64

1. Linux Client Side De-Duplication and Advanced Open File Option is not supported on Open Enterprise Server (OES)
2. Advanced Open File Option for Linux is supported. (only for Ext 2, Ext 3, Reiser FS file systems)
3. Ext 2, Ext 3, Reiser FS, JFS, VxFS
4. Linux Client Side De-Duplication is supported only on 64-bit systems (only support for Classic Pure Disk OST device)
5. Supported with Novell Open Enterprise Server (OES) 2.0 SP1-SP3, with NSS, NDS, GroupWise and iFolder on 32-bit and 64-bit platforms for SUSE 10 only. (NOTE: NSS only supported on 32-bit)

Oracle

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

Oracle

Name	Version	Service Pack	CPU Architecture
Enterprise Linux	5	Update 5	x86-32, x86-64
Enterprise Linux	5	Update 6	x86-32, x86-64
Enterprise Linux	6		x86-32, x86-64
Enterprise Linux	6	Update 1	x86-32, x86-64

Red Hat

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

Red Hat

Name	Version	Service Pack	CPU Architecture
Enterprise Linux [1] [2] [3] [4]	6.0		x86-32, x86-64
Enterprise Linux [1] [2] [3] [4]	6.0	Update 1	x86-32, x86-64

1. Advanced Open File Option for Linux is supported. (only for Ext 2, Ext 3, Ext 4, Reiser FS file systems)
2. Ext 2, Ext 3, Reiser FS, JFS, VxFS
3. Linux Client Side De-Duplication is supported only on 64-bit systems (only support for Classic Pure Disk OST device)
4. Ext 4

Agent for Mac Compatibility

Note: The Agent for Mac does not support the Simplified Disaster Recovery feature.

Note: Single sign on accounts for OS X will not be supported. Local "Linux" accounts must be used for compatibility with Agent for Mac.

Apple

Name	Version	Service Pack	CPU Architecture
Mac OS X	10.5	.8	x86-32, x86-64
Mac OS X [1] [2] [3]	10.6		x86-32, x86-64
Mac OS X	10.7		x86-64

1. All MAC OS X 10.6 supported up to and including the most recent patch level.
2. Support for x86-64 meaning the ability to run a 32-bit binary on a chipset that supports the 64 bit instruction set.
3. Workstation and Server

Backup Exec 2012 Database Repository Compatibility

Backup Exec Database Repository Compatibility

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

Note: Upgrades from a previous version of Backup Exec will require a minimum of Service Pack 2 for SQL 2005 or SQL 2005 Express, which will be upgraded to Service Pack 4 during the upgrade process. A brand new install requires Service Pack 4 to begin with. Any version of SQL 2008 will work with an upgrade or new install.

Note: Microsoft Windows 2008 Read Only Domain Controllers (RODC) do not support SQL Server installations.

Product Name	Qualified Version	Service Pack	Notes
Microsoft SQL Express	2005	SP2	
Microsoft SQL Express	2005	SP3	[1]
Microsoft SQL Express	2005	SP4	
Microsoft SQL Express	2008	SP2	
Microsoft SQL Express	2008	SP1	
Microsoft SQL Express	2008		
Microsoft SQL Express	2008 R2		
Microsoft SQL Server	2005	SP2	
Microsoft SQL Server	2005	SP3	
Microsoft SQL Server	2005 Workgroup Edition	SP2	
Microsoft SQL Server	2005 Workgroup Edition	SP3	
Microsoft SQL Server	2005 Workgroup Edition	SP4	
Microsoft SQL Server	2008		
Microsoft SQL Server	2008	SP1	
Microsoft SQL Server	2008	SP2	
Microsoft SQL Server	2008	SP3	
Microsoft SQL Server	2008 R2		
Microsoft SQL Server	2008 R2	SP1	

1. Please see the following TechNote for further details regarding upgrading the BKUPEXEC SQL Express 2005 instance to SP3
<<http://entsupport.symantec.com/docs/327649>>

Backup Exec 2012 Agent for Applications and Databases Compatibility

Note: Backup Exec database agents are supported on the Microsoft Windows OS platforms that the database manufacturers themselves support.

Note: 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.

Note: ADBO backups of clustered Exchange databases in Exchange 2007/Exchange 2010 Clustering solutions are not supported

Note: Legacy mailbox backups are no longer supported with any version of Exchange. This functionality has been replaced by the GRT feature.

IBM

Name	Version	Service Pack	CPU Architecture	OS
Lotus Domino [1] [2]	7.0		x86-32, x86-64	Windows
Lotus Domino [1] [2]	7.0	.1	x86-32, x86-64	Windows
Lotus Domino [1] [2]	7.0	.2	x86-32, x86-64	Windows
Lotus Domino [1] [2]	8.0		x86-32, x86-64	Windows
Lotus Domino [1] [2]	8.0	.1	x86-32, x86-64	Windows
Lotus Domino [1] [2]	8.0	.2	x86-32, x86-64	Windows
Lotus Domino [1] [2]	8.5		x86-32, x86-64	Windows
Lotus Domino [1] [2]	8.5	.1	x86-32, x86-64	Windows
Lotus Domino [1] [2]	8.5	.2	x86-32, x86-64	Windows
Lotus Domino [1] [2]	8.5	.3	x86-32, x86-64	Windows

1. 32-bit Lotus Domino installed on 64-bit systems is supported.

2. Lotus .NSF formatted databases only. The Lotus/DB2 database format is currently not supported.

Microsoft

Name	Version	Service Pack	CPU Architecture	OS
Exchange	2003	SP1	x86-32	Windows
Exchange	2003	SP2	x86-32	Windows
Exchange [1] [2]	2007		x86-64	Windows
Exchange [1] [2]	2007	SP1	x86-64	Windows
Exchange [1] [2]	2007	SP2	x86-64	Windows
Exchange [1] [2]	2007	SP3	x86-64	Windows
Exchange [3] [4]	2010		x86-64	Windows
Exchange [3] [4] [5]	2010	SP1	x86-64	Windows
Exchange	2010	SP2	x86-64	Windows
Office SharePoint Server	2007		x86-32, x86-64	Windows
Office SharePoint Server [6] [7]	2007	SP1	x86-32, x86-64	Windows
Office SharePoint Server [6] [7] [8]	2007	SP2	x86-32, x86-64	Windows
Operations Manager	2005	SP1	x86-32, x86-64	Windows
SharePoint Portal Server [9]	2003		x86-32	Windows
SharePoint Portal Server [9]	2003	SP1	x86-32	Windows
SharePoint Portal Server [10] [9]	2003	SP2	x86-32	Windows
SharePoint Portal Server [10] [9]	2003	SP3	x86-32	Windows
SharePoint Portal Server	2010	SP1	x86-64	Windows
SharePoint Server [11]	2010		x86-64	Windows
SQL Express	2005		x86-32	Windows
SQL Express	2005	SP1	x86-32	Windows
SQL Express	2005	SP2	x86-32	Windows
SQL Express [12]	2005	SP3	x86-32	Windows
SQL Express	2005	SP4	x86-32, x86-64	Windows
SQL Express	2008		x86-32	Windows

Microsoft

Name	Version	Service Pack	CPU Architecture	OS
SQL Express	2008	SP1	x86-32	Windows
SQL Express	2008	SP2	x86-32	Windows
SQL Express	2008	SP3	x86-32, x86-64	Windows
SQL Server	2000	SP3a	x86-32, x86-64	Windows
SQL Server [13]	2000	SP4	x86-32, x86-64	Windows
SQL Server	2005		x86-32, x86-64	Windows
SQL Server	2005	SP1	x86-32, x86-64	Windows
SQL Server	2005	SP2	x86-32, x86-64	Windows
SQL Server	2005	SP3	x86-32, x86-64	Windows
SQL Server	2005	SP4	x86-32, x86-64	Windows
SQL Server	2008		x86-32, x86-64	Windows
SQL Server	2008	SP1	x86-32, x86-64	Windows
SQL Server	2008	SP2	x86-32, x86-64	Windows
SQL Server	2008	SP3	x86-32, x86-64	Windows
SQL Server	2008 R2		x86-32, x86-64	Windows
SQL Server	2008 R2	SP1	x86-32, x86-64	Windows
Windows SharePoint Foundation [11]	2010		x86-64	Windows
Windows SharePoint Foundation	2010	SP1	x86-64	Windows
Windows SharePoint Services [9]	2.0		x86-32	Windows
Windows SharePoint Services [9]	2.0	SP1	x86-32	Windows
Windows SharePoint Services [10] [7]	2.0	SP2	x86-32	Windows
Windows SharePoint Services [10] [9]	2.0	SP3	x86-32	Windows
Windows SharePoint Services	3.0		x86-32, x86-64	Windows
Windows SharePoint Services [6] [7]	3.0	SP1	x86-32, x86-64	Windows
Windows SharePoint Services [6] [8]	3.0	SP2	x86-32, x86-64	Windows

1. If Backup Exec resides on a 32-bit Windows 2003 installation you need to have the Exchange tools installed locally in order to back up Exchange 2007. Microsoft's Collaboration Data Objects (CDO) package needs to be installed on the Exchange server in order to do GRT backup/restores. Backup Exec 2012 supports Exchange 2007 CCR, LCR and SCC. See <http://www.symantec.com/docs/TECH33746> for download instructions.
2. The use of GRT technology is now supported on Exchange 2007 running on Windows 2008. Please see the following TechNote for further details <http://www.symantec.com/docs/TECH55900>.> At this time, we do not support installing Microsoft Office on the same server where the CDO/MAPI components are installed.
3. Exchange 2010 requires a Windows 2008 SP2 or Windows 2008 R2 64-bit server with the Exchange 2010 Management tools installed on the server.
4. Window Enterprise Edition is still required since a DAG (Database Availability Group) still uses pieces of Windows Failover Clustering.
5. Current Backup Exec architecture does not support database scoping features added by Exchange 2010 SP1
6. Microsoft Office SharePoint Server 2007 and Windows SharePoint Services 3.0 with SP1 and higher are now supported on Windows Server 2008. Please see <http://technet.microsoft.com/en-us/windowsserver/sharepoint/bb735839.aspx> for more details.
7. Microsoft Office SharePoint Server 2007 and Windows SharePoint Services 3.0 with SP1 and higher, are now supported with SQL Server 2008 as the backend database server. Please see <http://technet.microsoft.com/en-us/windowsserver/sharepoint/bb735839.aspx> for more details.
8. Microsoft Office SharePoint Server 2007 and Windows SharePoint Services 3.0 with SP1 and higher, are now supported with SQL Server 2008 as the backend database server. Please see <http://technet.microsoft.com/en-us/windowsserver/sharepoint/bb735839.aspx> for more details.
9. All servers in the SharePoint server farm, with the exception of the SQL Server, must be on a 32-bit OS platform for Microsoft SharePoint Portal Server 2003 and Microsoft Windows SharePoint Services 2.0.
10. Microsoft SharePoint Portal Server 2003 and Microsoft Windows SharePoint Services 2.0 with SP2 or above now have support for both 32- and 64-bit Microsoft SQL Server 2005 database servers. However, 32-bit Microsoft SharePoint Portal Server 2003 or Microsoft Windows SharePoint Services 2.0 running on 64-bit Windows Server 2003 (in WOW mode) is not supported.
11. Microsoft SharePoint 2010 is supported only on Windows 2008 64-bit and later versions.
12. Please see the following TechNote for further details regarding upgrading the BKUPEXEC SQL Express 2005 instance to SP3 <http://www.symantec.com/docs/TECH72249>.>
13. Microsoft SQL 2000 (32-bit) is supported on an 64-bit server, but requires an update from Microsoft: <http://support.microsoft.com/?kbid=913100>>

Oracle

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

1. Oracle Fail-safe is supported only on Windows
2. Oracle versions 9.2 and above
3. Oracle versions Enterprise, Standard, Standard One, Lite, and Personal supported.
4. RAC support for Windows and Linux
5. Supported on all supported Windows and Linux versions.
6. The Oracle Agent will not work with 32-bit versions of Oracle installed on a 64-bit system

Symantec

Name	Version	Service Pack	CPU Architecture	OS
Enterprise Vault [1] [2]	8.0	SP2	x86-32, x86-64	Windows
Enterprise Vault [1] [2]	8.0	SP3	x86-32, x86-64	Windows
Enterprise Vault [1] [2]	8.0	SP4	x86-32, x86-64	Windows
Enterprise Vault [1] [2]	8.0	SP5	x86-32, x86-64	Windows
Enterprise Vault [1] [2]	9.0	SP1	x86-32, x86-64	Windows
Enterprise Vault [1] [2]	9.0	SP2	x86-32, x86-64	Windows
Enterprise Vault [1] [2]	9.0	SP3	x86-32, x86-64	Windows
Enterprise Vault [1] [2]	10.0		x86-64	Windows

1. Backup Exec Migrator for Enterprise Vault is available for this version.

2. Enterprise Vault is a 32 bit application. It runs in WOW mode if installed on a 64 bit Operating System.

Backup Exec 2012 Agent for VMware and Hyper-V Compatibility

Microsoft Hyper-V Compatibility

Note: Microsoft Windows 2008 with Hyper-V and Windows 2008 R2 with Hyper-V provide the following cluster support:

1. Clustered("HA")Guest Virtual Machines are protected.
2. Non-Clustered Guest Virtual Machines are protected.
3. Mixture of Clustered and Non-Clustered Guest Virtual Machines are protected.
4. Windows 2008 Hyper-V R2 Clustered Shared Volumes (CSV's) are protected.
5. Windows 2008 Hyper-V R2 LiveMigration of Virtual Machines between Clustered Shared Volumes is supported.
6. Clustered Hyper-V Host Server are protected.
7. Hyper-V agents do not support ADBO.
8. To run GRT enabled backups using the Hyper-V Agent, the Backup Exec server needs to run an operating system that is Windows 2003 or higher. For server support of non-GRT backups using the Hyper-V Agent, please refer the Server Operating System Compatibility section of the SCL.
9. A Windows 2003 server protecting a Hyper-V guest to a Deduplication Store is not supported.

Clustered (HA) Guest Virtual Machines restored to their original locations will automatically be restored with their clustered (HA) configuration intact. Clustered (HA) Guest Virtual Machines that are redirected to an alternate location for restore will need to be re-configured via the Microsoft Cluster Configuration Wizard as a Clustered (HA) Guest Virtual Machine.

Note: The Backup Exec 2012 Agent for Hyper-V does not support Exchange 2007 LCR, CCR or SCC and Database Availability Groups (DAG's) for Exchange 2010 due to the distributed nature of these applications beyond a single Guest virtual machine. To protect these applications when they are distributed across multiple Guest Virtual Machines, please use the Backup Exec Agent for Microsoft Exchange inside of each of the Guest Virtual Machines to protect them.

Note: Application Granular Recovery Technology (GRT) of Microsoft Exchange, Microsoft SQL, Microsoft Sharepoint, and Active Directory are supported from a single-pass backup of the Guest Virtual Machine with the Backup Exec 2012 Agent for Hyper-V. This allows for granular application data restore from a backup of the entire Guest Virtual Machine with the following requirements:

1. Application GRT from a Guest Virtual Machine only supports the following applications- Microsoft Exchange, Microsoft SQL, Microsoft Sharepoint, and Active Directory.
2. A Backup Exec Agent for Applications and Databases must be purchased for each Guest Virtual Machine that you wish to use Application Granular Recovery with Exchange, SQL, Sharepoint, and Active Directory. The license keys for these Agents are installed on the Backup Exec server.
3. A Backup Exec Agent for Windows must be installed inside of each Guest Virtual Machine for Application GRT. The Agent is not used directly for backup and is only used to collect a small amount of application metadata during the backup.
4. The Guest Virtual Machine must be online and running.
5. The Backup Exec server must have the correct Logon Account configured for access to the Guest Virtual Machine hosting the application.

6. Application GRT does not support application files that reside on a remote drive outside of the Virtual Machine. Please see the following section of this document for Hyper-V Disk Configuration Compatibility.

7. Application GRT does not support applications distributed over several servers such as Exchange 2007 LCR, CCR, SCR and Exchange 2010 Database Availability Groups (DAGs). The entire application must be installed onto a single server. To protect these applications when they are distributed across multiple Guest Virtual Machines, please use the Backup Exec Agent for Microsoft Exchange inside of each of the Guest Virtual Machines to protect them.

Microsoft

Name	Version	Service Pack	CPU Architecture
Hyper-V Server	2008		x86-64
Hyper-V Server	2008	R2	x86-64
Hyper-V Server	2008	SP2	x86-64
Windows Server 2008 [1]	Core with Hyper-V		x86-64
Windows Server 2008	Core with Hyper-V	SP2	x86-64
Windows Server 2008 [1]	Datacenter Edition with Hyper-V		x86-64
Windows Server 2008	Datacenter Edition with Hyper-V	SP2	x86-64
Windows Server 2008 [1]	Enterprise Edition with Hyper-V		x86-64
Windows Server 2008	Enterprise Edition with Hyper-V	SP2	x86-64
Windows Server 2008 [1]	Standard Edition with Hyper-V		x86-64
Windows Server 2008	Standard Edition with Hyper-V	SP2	x86-64
Windows Server 2008 R2	Core with Hyper-V		x86-64
Windows Server 2008 R2	Datacenter Edition with Hyper-V		x86-64
Windows Server 2008 R2	Enterprise Edition with Hyper-V		x86-64
Windows Server 2008 R2	Standard Edition with Hyper-V		x86-64

1. Please refer to the following link for a list of all supported Guest OS's <<http://www.microsoft.com/windowsserver2008/en/us/hyperv-supported-guest-os.aspx>>

VMware

Name	Version	Service Pack	CPU Architecture
ESXi	4.1		x86-64
ESXi	4.1	Update 1	x86-64
ESXi	4.1	Update 2	x86-64

VMware Compatibility

Note: A vSphere Standard license is required for BE 2012 to correctly protect the ESXi hosted guest systems.

Note: For the supported Guest OS VMware Compatibility Guide please go to <http://www.vmware.com/support/product-support/>

Note: Backup Exec 2012 Agent for Linux now fully incorporates the VMware vStorage API's for Data Protection. VMware's Consolidated Backup (VCB) infrastructure is no longer required to be used or installed for backups of ESX Update 2 and later.

Note: Fault Tolerant Guest Virtual Machines cannot currently be protected while in a Fault Tolerant configuration. This is due to the inability to snapshot a Fault Tolerant virtual machine and is a current limitation of VMware.

Note: All free versions of ESXi (4i and 5) require a minimum license from VMware in order to be protected by Backup Exec. This is due to the lack of vStorage API for Data Protection support in the free unlicensed versions of ESXi and is a current limitation of VMware.

Note: Application Granular Recovery Technology (GRT) of Microsoft Exchange, Microsoft SQL, Microsoft SharePoint, and Active Directory databases is supported from a single-pass backup of the Guest Virtual Machine with the Backup Exec 2012 Agent for Linux. This allows for granular application data restore from a backup of the entire Guest Virtual Machine with the following requirements:

Note: Configuring a tape device with a virtual machine is considered an "Alternate Configuration". See details in the General Information section of this document for a description of this term. For more details on the configuration of virtual machines with tape devices, see the following related articles, <http://www.symantec.com/docs/TECH146293> , and <http://www.symantec.com/docs/TECH70246>

1. Application GRT from a Guest Virtual Machine only supports the following applications- Microsoft SQL, Microsoft Exchange, Microsoft SharePoint, and Active Directory.
2. A Backup Exec Agent for Applications and Databases must be purchased for each Guest Virtual Machine that you wish to use Application Granular Recovery with Exchange, SQL, SharePoint, and Active Directory. The license keys for these Agents are installed on the Backup Exec server.
3. A Backup Exec Agent for Windows must be installed inside of each Guest Virtual Machine for Application GRT. The Agent is not used directly for backup and is only used to collect a small amount of application metadata during the backup.
4. The Guest Virtual Machine must be online and running.
5. The Backup Exec server must have the correct Logon Account configured for access to the Guest Virtual Machine hosting the application.
6. Application GRT does not support application files that reside on a remote drive outside of the Virtual Machine. Please see the following section of this document for VMware Storage Configuration Compatibility.

7. Application GRT does not support applications distributed over several servers such as Exchange 2007 LCR, CCR, SCR and Exchange 2010 Database Availability Groups (DAGs) as well as SharePoint farms. The entire application must be installed onto a single server. To protect these applications when they are distributed across multiple Guest Virtual Machines, please use the Backup Exec Agent for Applications and Databases inside of each of the Guest Virtual Machines to protect them.

VMware

Name	Version	Service Pack	CPU Architecture
ESX	4.0		x86-64
ESX	4.0	Update 1	x86-64
ESX	4.0	Update 2	x86-64
ESX [1]	4.1		x86-64
ESX [1]	4.1	Update 1	x86-64
ESX	4.1	Update 2	x86-64
ESXi [1] [2]	4.0		x86-64
ESXi [1] [2]	4.0	Update 1	x86-64
ESXi	4.0	Update 2	x86-64
ESXi [1]	4.1		x86-64
ESXi	4.1	Update 1	x86-64
ESXi	4.1	Update 2	x86-64
ESXi	5.0		x86-64

1. Windows 2008 32-bit and 2008 R2 (32-bit and 64-bit)- Cannot use VMware VSS Provider from VMware Tools. BE VSSProvider should work with application quiescing. Please see the following technote for further details <<http://www.symantec.com/docs/TECH135858>>

2. NBDSSL-Backup or restore is not supported.

VMware Converter and Agent for VMware Virtual Center Compatibility

Product Name	Qualified Version	Service Pack	OS Platform	Notes
VMware Converter	4.0		VMware vSphere 4.0	
VMware vCenter	4.0	Update 2	vSphere 4.0	
VMware vCenter	4.0		vSphere 4.0	
VMware vCenter	4.0		vSphere 4i	
VMware vCenter	4.1		vSphere 4.1, 4.0	[1]
VMware vCenter	5.0		vSphere 5i	

1. VMware vCenter 4.1 update 1 has not been marked officially supported at this time but has been successfully used in limited testing.

VMware Storage Configuration Compatibility

Configuration	vSphere 4.x and later (vStorage API)	Notes
Direct Attached Storage (DAS)	Supported	
Fibre Channel SAN	Supported	
iSCSI SAN	Supported	[1]
NFS	Supported	[2]
LAN Backups (NBD/NBDSSL)	Supported	
RDM-Virtual Compatibility Mode	Supported	[3]
RDM-Physical Compatibility Mode Independent Disks	Not Supported	
Thin Provisioned Disks	Supported	
Changed Block Tracking for Incremental/Differential Backup	Supported	

1. Be aware that entire disks are allocated, and therefore are returned when QueryChangedDiskAreas is used in the following scenarios: a cloned thick disk is created, disks are formatted using the Long Format setting, disks are created with vmkfstools using the eagerzeroedthick format option, a VMDK is stored on storage that does not support VMF's such as NFS or iSCSI devices.

2. Be aware that entire disks are allocated, and therefore are returned when QueryChangedDiskAreas is used in the following scenarios: a cloned thick disk is created, disks are formatted using the Long Format setting, disks are created with vmkfstools using the eagerzeroedthick format option, a VMDK is stored on storage that is not VMFS, such as NFS, is not supported.

3. Virtual compatibility mode RDM disks will be automatically included in the backup of a Guest virtual machine but Backup Exec can only restore the virtual compatibility mode RDM disks or file data on an RDM disk through a redirected restore.

Backup Exec 2012 Feature Specific Compatibility

Convert to Virtual

Note: The Convert to Virtual feature supports both Hyper-V and ESX environments.

Conversion types:

1. Physical to Virtual (P2V) - conversion is processed at same time the backup job is running.
2. Backup to Virtual (B2V) - conversion is scheduled immediately after the backup job completes, or some specified time after the backup job.
3. Point in Time or ad-hoc - convert any existing Simplified System Protection (SSP) enabled backup. Point in time backup sets must be present on a disk-based storage device. Point in time conversions from tape devices are not officially supported at this time.

Supported Operating Systems

Version	x32bit	x64bit	Notes
Windows Server 2003	Supported	Supported	[1]
Windows Server 2003 R2	Supported	Supported	[1]
Windows Server 2008	Supported	Supported	
Windows Server 2008 R2	Not Supported	Supported	

1. Windows 2003 SP2 or later required

Supported Applications

Name	32bit	64bit
Exchange 2003	Supported	Not Supported
Exchange 2007	Not Supported	Supported
Exchange 2010	Not Supported	Supported
SQL 2005	Supported	Supported
SQL 2005 Express	Supported	Supported
SQL 2008	Supported	Supported
SQL 2008 Express	Supported	Supported
SQL 2008 R2	Supported	Supported
SQL 2008 R2 Express	Supported	Supported
Active Directory 2003	Supported	Supported
Active Directory 2008	Supported	Supported

Backup Exec Archiving Option

Note: Archiving Option cannot be installed on Windows XP.

Note: File system archiving cannot be done from the Windows 2008 SP2 cluster shares. However, it can be done from the Windows 2008 R2 cluster shares.

Note: Exchange Mailbox Archiving Option cannot be installed on the Windows Small Business Server or on the Exchange Server.

Note: Exchange mailbox archiving can be done from Exchange 2003, Exchange 2007, and Exchange 2010 SP1 servers.

Note: Archiving cannot be completed with backups created using Virtual Agents (Microsoft Hyper-V and Virtual Server Agents and Agent for VMware Virtual Infrastructure).

Supported Server Operating Systems

Product Name	Version	Service Pack	OS Platform	Notes
Windows Server 2003	Enterprise Edition	R2	x86-32bit	
Windows Server 2003	Enterprise Edition	R2-SP2	x86-32bit	
Windows Server 2003	Enterprise Edition	SP2	x86-32bit	
Windows Server 2003	Standard Edition	R2	x86-32bit	
Windows Server 2003	Standard Edition	R2-SP2	x86-32bit	
Windows Server 2003	Standard Edition	SP2	x86-32bit	
Windows Server 2003	Enterprise Edition	R2	x86-64bit	
Windows Server 2003	Enterprise Edition	R2-SP2	x86-64bit	
Windows Server 2003	Enterprise Edition	SP2	x86-64bit	
Windows Server 2003	Standard Edition	R2	x86-64bit	
Windows Server 2003	Standard Edition	R2-SP2	x86-64bit	
Windows Server 2003	Standard Edition	SP2	x86-64bit	
Windows Server 2008	Enterprise Edition		x86-32bit	
Windows Server 2008	Enterprise Edition	SP1	x86-32bit	
Windows Server 2008	Enterprise Edition	SP2	x86-32bit	
Windows Server 2008	Standard Edition		x86-32bit	
Windows Server 2008	Standard Edition	SP1	x86-32bit	
Windows Server 2008	Standard Edition	SP2	x86-32bit	
Windows Server 2008	Enterprise Edition		x86-64bit	
Windows Server 2008	Enterprise Edition	R2	x86-64bit	
Windows Server 2008	Enterprise Edition	R2-SP1	x86-64bit	
Windows Server 2008	Enterprise Edition	SP1	x86-64bit	
Windows Server 2008	Enterprise Edition	SP2	x86-64bit	
Windows Server 2008	Standard Edition		x86-64bit	
Windows Server 2008	Standard Edition	R2	x86-64bit	

Supported Server Operating Systems

Product Name	Version	Service Pack	OS Platform	Notes
Windows Server 2008	Standard Edition	R2-SP1	x86-64bit	
Windows Server 2008	Standard Edition	SP1	x86-64bit	
Windows Server 2008	Standard Edition	SP2	x86-64bit	
Windows Small Business Server 2003	Premium		x86-32bit	[1]
Windows Small Business Server 2003	Premium	R2	x86-32bit	[1]
Windows Small Business Server 2003	Premium	R2-SP2	x86-32bit	[1]
Windows Small Business Server 2003	Premium	SP2	x86-32bit	[1]
Windows Small Business Server 2003	Standard		x86-32bit	[1]
Windows Small Business Server 2003	Premium	R2	x86-32bit	[1]
Windows Small Business Server 2003	Premium	R2-SP2	x86-32bit	[1]
Windows Small Business Server 2003	Premium	SP2	x86-32bit	[1]
Windows Small Business Server 2008	Premium		x86-64bit	[1]
Windows Small Business Server 2008	Standard		x86-64bit	[1]

1. Exchange Mailbox Archiving Option cannot be installed on the Windows Small Business Server or on the Exchange Server

Supported Client Operating Systems

Product Name	Version	Service Pack	OS Platform	Notes
Windows XP	Professional	SP2	x86-32bit	[1]
Windows XP	Professional	SP3	x86-32bit	[1]
Windows Vista		SP2	x86-32bit	
Windows Vista		SP2	x86-64bit	
Windows 7			x86-32bit	
Windows 7			x86-64bit	

Supported Client Operating Systems

Product Name	Version	Service Pack	OS Platform	Notes
Windows 7		SP1	x86-32bit	
Windows 7		SP1	x86-64bit	

1. Window XP Professional x64 is not supported. Windows XP Home, Media Center and Tablet PC Editions are not supported.

Supported Client Outlook Versions

Product Name	Version	Service Pack	OS Platform	Notes
Microsoft Outlook	2003	SP3	x86-32bit	
Microsoft Outlook	2003	SP3	x86-64bit	
Microsoft Outlook	2007	SP2	x86-32bit	
Microsoft Outlook	2007	SP2	x86-64bit	
Microsoft Outlook	2010		x86-32bit	
Microsoft Outlook	2010		x86-64bit	

Backup Exec Management Command Line Interface

The Backup Exec Management Command Line Interface (BEMCLI) is a convenient way to automate some of the most useful features of Backup Exec. The BEMCLI module exposes commands that perform most Backup Exec functions and utilities within a Windows PowerShell console.

The BEMCLI is installed with Backup Exec and replaces BEMCMD.

Requirements to run BEMCLI:

- Windows PowerShell V2
- .NET 3.5
- 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 2003
- 32-bit Outlook 2007
- 32-bit Outlook 2010
- 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:

- Outlook 2003/2007 has 20 GB limit

Symantec Product Compatibility and Upgrade information

Symantec Products

Note: Enterprise vault is a 32 bit application. It runs in WOW mode if installed on a 64 bit Operating System

Note: Enterprise Vault Agent: Supports Enterprise Vault installations running versions 8.x and 9.x.

Product Name	Qualified Version	Service Pack	OS Platform	Notes
Symantec Anti-Virus	9.0.4		x86-32bit	
Symantec Anti-Virus	10.2		x86-32bit	
Symantec Backup Exec System Recovery	7.0		x86-32bit	
Symantec Backup Exec System Recovery	7.0		x86-64bit	
Symantec Backup Exec System Recovery	8.0		x86-32bit	
Symantec Backup Exec System Recovery	8.0		x86-64bit	
Symantec Backup Exec System Recovery	8.5		x86-32bit	
Symantec Backup Exec System Recovery	8.5		x86-64bit	
Symantec Backup Exec System Recovery	2010		x86-32bit	
Symantec Backup Exec System Recovery	2010		x86-64bit	
Symantec System Recovery	2011		x86-64bit	
Symantec EndPoint Protection	11		x86-32bit	
Symantec EndPoint Protection	11		x86-64bit	
Symantec EndPoint Protection	12		x86-32bit	
Symantec EndPoint Protection	12		x86-64bit	
Symantec Enterprise Vault	8.0	SP2	x86-32bit	
Symantec Enterprise Vault	8.0	SP3	x86-32bit	
Symantec Enterprise Vault	8.0	SP4	x86-32bit	
Symantec Enterprise Vault	8.0	SP5	x86-32bit	
Symantec Enterprise Vault	9.0		x86-32bit	

Product Name	Qualified Version	Service Pack	OS Platform	Notes
Symantec Enterprise Vault	9.0	SP1	x86-32bit	
Symantec Enterprise Vault	9.0	SP2	x86-32bit	
Symantec Enterprise Vault	9.0	SP3	x86-32bit	
Symantec Enterprise Vault	10		x86-64bit	

Upgrade Information

End of Life items may affect your ability to restore previously backed up resources. Please review the End of Life section in this document, or this tech note: <http://www.symantec.com/docs/TECH178552>

Previous Backup Exec versions that can Upgrade to Backup Exec 2012 directly

Product Name	Qualified Version	Notes
Backup Exec for Windows Servers	12.5	[1]
Backup Exec for Windows Servers	2010	
Backup Exec for Windows Servers	2010 R2	
Backup Exec for Windows Servers	2010 R3	

1. Versions of Backup Exec prior to 12.5 can be upgraded to version 2012 after first upgrading to version 12.5 or 2010.

Previous Backup Exec Agent versions that can be temporarily used with Backup Exec 2012

Product Name	Qualified Version	Notes
Backup Exec for Windows Servers	12.5	[1]
Backup Exec for Windows Servers	2010	[2]
Backup Exec for Windows Servers	2010 R2	[2]
Backup Exec for Windows Servers	2010 R3	[2]

1. Backup Exec 12.5 can be used in a rolling upgrade configuration with older Agent versions during the upgrade process. A warning message will be displayed in the job log when older Agents are used but backups and restores can continue normally. New features will be disabled until the Agent has been upgraded to the same version as the Backup Exec server.
2. Backup Exec 2010, 2010 R2 or 2010 R3 can be used in a rolling upgrade configuration with older Agent versions during the upgrade process. A warning message will be displayed in the job log when older Agents are used but backups and restores can continue normally. New features will be disabled until the Agent has been upgraded to the same version as the Backup Exec server.

Previous Backup Exec versions that can be temporarily managed with Backup Exec 2012 Central Administration Option (CASO) which is included in the Enterprise Server Option.

Product Name	Qualified Version	Notes
Backup Exec for Windows Servers	2010 R3 SP2	[1]

1. Backup Exec 2012 Central Administration Option (CASO), which is included in the Enterprise Server Option, can be used in a rolling upgrade configuration to manage older Backup Exec server versions during the upgrade process. A warning message will be displayed when managing older versions and some features are disabled, however existing backup and restores jobs can continue normally. New features will be disabled until the older version of the Backup Exec server has been upgraded to the same version as the Backup Exec server.

3rd Party Software Compatibility

32-bit and 64-bit Interoperability

Notes:

1. The 32-bit Backup Exec server table illustrates interoperability between a 32-bit Backup Exec server and various remote systems and applications.
2. The 64-bit Backup Exec server table illustrates interoperability between a 64-bit Backup Exec server and various remote systems and applications.
3. 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.

32-bit Backup Exec server

Agent	32-bit Windows OS	64-bit Windows OS	Linux/UNIX
Active Directory	Supported	Supported	N/A
Lotus Domino/Notes	Supported	Supported [1]	N/A
Microsoft Exchange 2003	Supported	N/A	N/A
Microsoft Exchange 2007	Not Supported	Supported [2]	N/A
Microsoft Exchange 2010	Not Supported	Not Supported	N/A
Microsoft SharePoint 2000	Not Supported	Not Supported	N/A
Microsoft SharePoint 2003	Supported [3]	Not Supported [4]	N/A
Microsoft SharePoint 2007	Supported	Supported [5]	N/A
Microsoft SharePoint 2010	Not Supported	Supported [5]	N/A
Microsoft SQL 2000	Supported	Supported [6]	N/A
Microsoft SQL 2005	Supported	Supported [7]	N/A
Microsoft SQL 2008	Supported	Supported [7]	N/A
NDMP	N/A	N/A	N/A
Oracle	Supported	Supported	Supported
Federal Information Processing Standard 140-2 (FIPS)	Supported [8]	Not Supported	N/A

1. Both 32-bit and 64-bit Backup Exec 2012 Servers will back up 64-bit Domino server on a 64-bit OS. Please note that 32-bit Domino server installed on a 64-bit OS is also supported.
2. If Backup Exec resides on a 32-bit Windows 2003 installation you need to have the Exchange tools installed locally in order to backup Exchange 2007. CDO needs to be installed on the Exchange server in order to do GRT backup/restores. Backup Exec 2012 supports Exchange 2007 CCR and LCR.
3. SharePoint 2003 Farms are only supported with SQL 2000 or SQL 2005 32-bit servers. Installed SharePoint 2003 onto a Windows 64-bit server or using SQL 2005 64-bit is not supported.
4. Microsoft SharePoint Portal Server 2003 and Microsoft Windows SharePoint Services 2.0 with SP2 or above now have support for both 32-bit and 64-bit Microsoft SQL Server 2005 database servers. However, 32-bit Microsoft SharePoint Portal Server 2003 or Microsoft Windows SharePoint Services 2.0 running on 64-bit Windows Server 2003 (in WOW mode) is not supported.
5. SQL 2008 32-bit and 64-bit versions are supported as database backend servers
6. SQL 2000 is supported on Windows 2003 64-bit servers, with SQL 2000 SP4 and Microsoft Patch 904418 (<http://support.microsoft.com/?kbid=904418>)
7. Both 32-bit and 64-bit SQL 2005 is supported on Windows 2003 64-bit.
8. FIPS 140-2 mode is Supported only for 32-bit Windows platforms. Unix, Linux and MacOS (RALUS/RAMS) are not supported. 128 AES encryption is not supported in FIPS mode. Please see the following link for more details on FIPS 140-2 support <http://www.symantec.com/docs/HOWTO21799>

64-bit Backup Exec server

Agent	32-bit Windows OS	64-bit Windows OS	Linux/UNIX
Active Directory	Supported	Supported	N/A
Lotus Domino/Notes	Supported	Supported [1]	N/A
Microsoft Exchange 2003	Supported [2]	N/A	N/A
Microsoft Exchange 2007	Not Supported	Supported [3]	N/A
Microsoft Exchange 2010	Not Supported	Supported	N/A
Microsoft SharePoint 2000	Supported	Not Supported	N/A
Microsoft SharePoint 2003	Supported [4]	Not Supported [5]	N/A
Microsoft SharePoint 2007	Supported	Supported [6]	N/A
Microsoft SharePoint 2010	Not Supported	Supported [6]	N/A
Microsoft SQL 2000	Supported	Supported [7]	N/A
Microsoft SQL 2005	Supported	Supported [8]	N/A
Microsoft SQL 2008	Supported	Supported [8]	N/A

64-bit Backup Exec server

Agent	32-bit Windows OS	64-bit Windows OS	Linux/UNIX
NDMP	N/A	N/A	N/A
Oracle	Supported	Supported	Supported

- Both 32-bit and 64-bit 2012 servers will back up 64-bit Domino 8.0.1 on a 64-bit OS. Please note that 32-bit Domino installed on a 64-bit OS is not supported.
- Granular Recovery Technology (GRT) for Microsoft Exchange is supported on Backup Exec 64-bit Media Servers.
- If Backup Exec resides on a 32-bit Windows 2003 installation you need to have the Exchange tools installed locally in order to backup Exchange 2007. CDO needs to be installed on the Exchange server in order to do GRT backup/restores. Backup Exec 2012 supports Exchange 2007 CCR and LCR.
- SharePoint 2003 Farms are only supported with SQL 2000 or SQL 2005 32-bit servers. Installed SharePoint 2003 onto a Windows 64-bit server is not supported.
- Microsoft SharePoint Portal Server 2003 and Microsoft Windows SharePoint Services 2.0 with SP2 or above now have support for both 32-bit and 64-bit Microsoft SQL Server 2005 database servers. However, 32-bit Microsoft SharePoint Portal Server 2003 or Microsoft Windows SharePoint Services 2.0 running on 64-bit Windows Server 2003 (in WOW mode) is not supported.
- SQL 2008 32-bit and 64-bit versions are supported as database backend servers
- SQL 2000 is supported on Windows 2003 64-bit servers, with SQL 2000 SP4 and Microsoft Patch 904418 (<http://support.microsoft.com/?kbid=904418>)
- Both 32-bit and 64-bit SQL 2005 is supported on Windows 2003 64-bit.

3rd Party Product Compatibility

Product Name	Qualified Version	Service Pack	OS Platform	Notes
CA ARCserve BrightStor Tape Reader	9, 10, 11.1, 11.5		x86-32bit	[1]
Microsoft System Center Operations Manager (SCOM)	2007		x86-32bit	
Microsoft System Center Operations Manager (SCOM)	2007		x86-64bit	
Samba	2.2.12		x86-32bit	[2]
Samba	3.0.23c		x86-32bit	[3]

- See the Backup Exec Administrator's Guide for limitations
- Backup Exec supports backing up and restoring only the data that is shared with Server Message Block (SMB)/ Common Internet File System (CIFS) protocol.
- Backup Exec supports backing up and restoring only the data that is shared with Server Message Block (SMB)/ Common Internet File System (CIFS) protocol.

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 R1 cluster shares. Windows 2008 R2 cluster shares are required.

Product	Notes
Microsoft SQL Server 2000	Microsoft Cluster Server and Veritas Storage Foundation High Availability for Windows
Microsoft SQL Server 2005	Microsoft Cluster Server and Veritas Storage Foundation High Availability for Windows
Microsoft SQL Server 2008	Microsoft Cluster Server
Microsoft Exchange 2003	Microsoft Cluster Server and Veritas Storage Foundation High Availability for Windows
Microsoft Exchange 2007	CCR, LCR, SCC, Microsoft Cluster Server and Veritas Storage Foundation High Availability for Windows [1]
Microsoft Exchange 2010	Microsoft Cluster Server [2]
IBM Lotus Domino R7	Supported with Lotus Clustering and Microsoft Cluster Server. [3]
IBM Lotus Domino R8	Supported with Lotus Clustering and Microsoft Cluster Server. [3]
IBM Lotus Domino R8.5	Supported with Lotus Clustering and Microsoft Cluster Server. [3]
Oracle	Supported with RAC, Microsoft Cluster Server and FailSafe.

1. If Backup Exec resides on a 32bit Windows 2003 installation you need to have the Exchange tools installed locally in order to back up Exchange 2007. Backup Exec installed onto Windows 2000 does not support backing up Exchange 2007. CDO needs to be installed on the Exchange server in order to do GRT backup/restores. Backup Exec 2010, 2010 R2 and 2010 R3 supports Exchange 2007 CCR and LCR. See <http://www.symantec.com/docs/TECH51162> for download instructions.

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

3. Please see IBM technote [http://www-> 1.ibm.com/support/docview.wss?uid=swg21165986](http://www-1.ibm.com/support/docview.wss?uid=swg21165986)

End-of-Life information

End-of-Life (EOL) support in current product

EOL Notice: These operating systems, third-party software applications, and Symantec products are no longer officially supported for use with this version of Backup Exec for Windows.

Backup Exec Server Operating System Compatibility

Name	Version	Service Pack	CPU Architecture
Windows Server 2003	Data Center Edition		x86-32, x86-64
Windows Server 2003	Data Center Edition	SP1	x86-32, x86-64
Windows Server 2003	Enterprise Edition		x86-32, x86-64
Windows Server 2003	Enterprise Edition	SP1	x86-32, x86-64
Windows Server 2003	Standard Edition		x86-32, x86-64
Windows Server 2003	Standard Edition	SP1	x86-32, x86-64
Windows Server 2003	Web Edition		x86-32, x86-64
Windows Server 2003	Web Edition	SP1	x86-32, x86-64

Microsoft Database Agents

Product Name	Version	Service Pack	OS Platform
SQL Server	7.0		x86-32bit

Media Server Operating System Support

Product Name	Version	Service Pack	OS Platform	Notes
Microsoft Windows XP	All Versions		x86-32bit	
Microsoft Windows XP	All Versions		x86-64bit	

Database Agents

Product Name	Version	Service Pack	OS Platform	Notes
DB2	All Versions		x86-32bit	
DB2	All Versions		x86-64bit	
SQL Filegroups	All Versions		x86-32bit	
SQL Filegroups	All Versions		x86-64bit	

Netware

Product Name	Version	Service Pack	OS Platform	Notes
Netware Agent				
Netware OFO				
Netware IDR				

Intelligent Disaster Recovery (IDR)

Product Name	Version	Service Pack	OS Platform	Notes
Backup Exec for Windows IDR			x86-32bit	
Backup Exec for Windows IDR			x86-64bit	

Remote Agent for Windows Servers

Product Name	Version	Service Pack	OS Platform	Notes
Windows 2000	All versions		x86-64bit	
Windows 2000	All versions		x86-32bit	
SAP	All versions		x86-32bit	
SAP	All versions		x86-64bit	

Agent for Mac

Product Name	Version	Service Pack	OS Platform	Notes
MAC OSX	10.4		x86-32bit	
MAC OSX	10.4		x86-64bit	

Remote Media Agent for Linux and UNIX Servers (RMALS)

Product Name	Version	Service Pack	OS Platform	Notes
Red Hat	4.x			
Asianux	2.0			

Remote Agent for Linux and UNIX Servers (RALUS)

Product Name	Version	Service Pack	OS Platform	Notes
Solaris	All Versions			
Asianux	2.0			
Red Hat	4.x			
Oracle Enterprise Unix	4.x			
Debian	4.x			
Red Hat EL	4.x			
Ubuntu	7.10, 8.10			
Miracle	3.x, 4.x			
Red Flag	4.x, 5.x			
ESX/ESXi	3.5			

Internet Browser

Product Name	Version	Service Pack	OS Platform	Notes
Internet Explorer	6.x			

Backup Exec Features

Feature Name	Notes
Pager Notifications	
Printer notifications	
MAPI/VIM Notifications	
Net Send notifications	
Notification Time Window	
VRE	
Daily Working Set	
One Button Disaster Recovery	
BemCmd (replaced by BemCli	
Tape Device Configuration Wizard	
SQL File Group support	
Legacy Exchange mailbox method	
BERetrieve	

Symantec products

Product Name	Version	Service Pack	OS Platform	Notes
Continuous Protection Server (CPS)	All versions		x86-32, x86-64	
Backup Exec Infrastructure Manager(BEIM)	All versions		x86-32, x86-64	
Enterprise Vault 7.x	All versions		x86-32, x86-64	
Backup Exec Desktop and Laptop option (DLO)	All versions		x86-32, x86-64	
Veritas Storage Foundation for Windows FlashSnap (VSF)	All versions		x86-32, x86-64	
Veritas Storage Foundation for Windows High Availability (VCS)	All versions		x86-32, x86-64	
Symantec Backup Exec for Microsoft Essentials Business Server	All versions		x86-32, x86-64	