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### Software Compatibility List (SCL)

### Veritas Cluster Server 5.1 Service Pack 2 for Windows®

Symantec	Veritas Cluster Server for Windows	5.1 SP2	S	x86, IA64, x64	Note 01, 02
Symantec	Veritas Cluster Server for Windows	5.1, 5.1AP1, 5.1SP1, 5.1SP1AP1	U	x86, IA64, x64	
Symantec	Veritas Cluster Server for NetApp SnapMirror	5.0 RP1a, 5.0RP2	U	x86, IA64, x64	
Symantec	Veritas Cluster Server Agent for Websphere	5.1	S	x86, x64	Note 05
Symantec	Veritas Cluster Server Agent for Websphere MQ	5.0	S	x86, x64, IA64	Note 06
Symantec	Veritas Cluster Server Agent for SAP NetWeaver	4.3.01.0	S	x86, x64, IA64	Note 07
Symantec	Veritas Storage Foundation for Windows	All versions	X	x86, x64, IA64	Note 02
Symantec	Veritas Enterprise Vault	8.0 SP1-SP5, 9.0.x	S	x86	
Symantec	Veritas Enterprise Vault	10.0	C	x86	Note 31
Symantec	Veritas NetBackup	6.0 MP1-MP3	L	x86	Note 21, 22, 23, 28, 29
Symantec	Veritas NetBackup	6.0 MP4-MP6	C	x86	Note 22, 23, 28, 29
Symantec	Veritas NetBackup	6.5, 6.5.2-6.5.4	C	x86, x64	Note 22, 23, 28, 29
Symantec	Veritas NetBackup	6.5.1	L	x86, x64	Note 22, 23, 28, 29
Symantec	Veritas NetBackup	7.0, 7.0.1	L	x86, x64	Note 22, 23, 27, 28
Symantec	Symantec Backup Exec for Windows Servers	10.x	X	x86	Note 28
Symantec	Symantec Backup Exec for Windows Servers	11.0, 11d	C	x86	Note 28
Symantec	Symantec Backup Exec for Windows Servers	12.0, 12.5	C	x86	Note 28
Symantec	Symantec Backup Exec for Windows Servers	2010, 2010 R2	L	x86	Note 24, 25, 28
Symantec	Symantec Backup Exec System Recovery	6.5, 7.0	C	x86	Note 28
Symantec	Symantec Backup Exec System Recovery	8.0, 8.5.1, 2010	C	x86	Note 26, 28
Symantec	Symantec Endpoint Protection	11.0 MR2	C	x86, x64	
Symantec	Symantec Endpoint Protection	11.0 MR3, MR4, RU5, RU6	L	x86, x64	Note 04, 13, 14, 15
Symantec	Mail Security for Exchange	5.04	C	x86	Note 16, 17
Symantec	Mail Security for Exchange	6.0, 6.03, 6.05 - 6.0.8	S	x86, x64	Note 16, 17
Symantec	Mail Security for Exchange	6.5.0, 6.5.1	S	x86, x64	Note 11
Symantec	Veritas Storage Foundation Manager (SFM) Managed Host	2.0, 2.1, 2.1RP1	X	x86, x64, IA64	Note 18
Symantec	Veritas Operations Manager	3.0, 3.0 RU1, 3.0 RP1	S	x86, x64, IA64	Note 19
Symantec	Veritas Operations Manager	3.1	C	x86, x64, IA64	Note 19
Symantec	Veritas Cluster Server Management Console	5.0, 5.1, 5.5	X	x86, IA64, x64	Note 18
NetApp	Data ONTAP Operating System	7.0, 7.0.2, 7.3, 7.3.1, 7.3.2, 7.3.3	S	x86, IA64, x64	
NetApp	Data ONTAP Operating System	7.2.x	C	x86, IA64, x64	
NetApp	SnapDrive	4.1, 4.2, 5.0, 6.0.6.0.2, 6.1, 6.2	S	x86, IA64, x64	
NetApp	SnapManager for Exchange	3.2, 4.0, 5.0, 6.0	S	x86, x64	
NetApp	SnapManager for SQL	2.0	S	x86, x64	
NetApp	SnapManager for SQL	2.1.5	C	x86, IA64, x64	
NetApp	SnapMirror	7.0.2, 7.2, 7.2.5.1, 7.3.3	S	x86, IA64, x64	
Microsoft	iSCSI Initiator	All versions	S	x86, IA64, x64	Note 9
Microsoft	Microsoft Logical Disk Manager	All Supported Windows 2003 OS Versions	S	x86, IA64, x64	
Microsoft	Windows 2000 Server	All versions	X	x86	
Microsoft	Windows Server 2003 Standard Edition	SP2	S	x86, IA64, x64	
Microsoft	Windows Server 2003 R2 Standard Edition	SP2	S	x86, x64	
Microsoft	Windows Server 2003 Enterprise Edition	SP2	S	x86, IA64, x64	
Microsoft	Windows Server 2003 R2 Enterprise Edition	SP2	S	x86, x64	
Microsoft	Windows Server 2003 Datacenter	SP2	C	x86, IA64, x64	
Microsoft	Windows Server 2003 R2 Datacenter	SP2	C	x86, x64	
Microsoft	Windows Server 2008	All versions	S	x86, x64, IA64	
Microsoft	Windows Server 2008 R2	All versions	S	x64, IA64	
Microsoft	Windows Small Business Server 2008	SP1, SP2	C	x86, x64	
Microsoft	Windows Small Business Server 2011		C	x64	
Microsoft	Windows Storage Server 2003	SP1	C	x86	
Microsoft	Windows Storage Server 2003 R2	RTM	C	x86	
Microsoft	Windows Storage Server 2008		C	x86, x64	
Microsoft	Windows Storage Server 2008 R2		C	x64	
Microsoft	Windows Vista Client Support	RTM, SP1, SP2	C	x86, x64	
Microsoft	Windows 7 Client Support	RTM	C	x86, x64	
Microsoft	Windows XP Client Support	SP2, SP3	C	x86	
Microsoft	Microsoft Exchange Server 2003	SP1, SP2	S	x86	
Microsoft	Microsoft Exchange Server 2007	RTM, SP1-SP3	S	x64	
Microsoft	Microsoft Exchange Server 2010	RTM, SP1, SP2	S	x64	
Microsoft	Microsoft SQL Server 2000	SP4	S	x86	
Microsoft	Microsoft SQL Server 2000	SP4	C	IA64, x64	
Microsoft	Microsoft SQL Server 2005	SP1-SP4	S	x86, IA64, x64	
Microsoft	Microsoft SQL Server 2008	RTM, SP1- SP3, R2, R2SP1, R2SP2	S	x86, IA64, x64	
Microsoft	Microsoft Operations Manager 2005	SP1	S	x86, IA64, x64	
Microsoft	Microsoft System Center Operations Manager 2007	SP1, SP2	S	x86, IA64, x64	Note 08
Microsoft	Microsoft System Center Operations Manager 2007 R2	RTM	S	x86, x64, IA64	Note 08
Microsoft	Microsoft SharePoint Portal Server 2003	SP2	C	x86	
Microsoft	Microsoft Office SharePoint Server 2007	RTM, SP1, SP2	S	x86, x64	
Microsoft	Microsoft Office SharePoint Server 2010	RTM	S	x64	
Microsoft	Microsoft Virtual Server 2005	RTM	C	x86	
Microsoft	Microsoft Virtual Server 2005 R2	RTM	C	x86	

Oracle	Oracle	9i, 10gR1, 10gR2, 11gR1, 11gR2	L	x86, IA64, x64	Note 03, 12, 20, 30
VMware	VMware ESX Server guest	3.0.1, 3.0.2, 3.5	L	x86, x64	Note 10
VMware	VMware Vsphere (ESX) guest	4.0, 4.1	L	x86, x64	Note 10

### Support Legend

Tested and Supported	S	
Supported with Limitations	L	x86 = 32-bit Windows architecture
Compatible and Supported, but not tested by Symantec	C	x64 = Extended 64-bit Windows architecture
Not Supported	X	IA64 = Itanium 64bit Windows architecture
Upgradeable to latest version	U	

### NOTES: Support is conditional according to the Notes corresponding to the individual platform or application. See the Notes Reference for details

This SCL is for Veritas Cluster Server 5.1 Service Pack 2 for Windows.

All software configurations listed have been qualified with Veritas Cluster Server 5.1 SP2 for Windows.

Due to the number of combinations, it is not possible to test all combinations for compatibility. If a particular service pack or version of an application is not listed as specifically tested by Symantec, it may work fine, but has not been explicitly tested with Veritas Cluster Server for Windows.

Software applications that are not on the Veritas Cluster Server for Windows Software Compatibility List (SCL) are provided "commercially reasonable effort" support only. Commercially reasonable effort support allows for escalations based on unqualified software, but if a problem is determined to be software specific, the problem is not guaranteed to be resolved.

Please subscribe to this document since the information in this document will be updated as necessary and subscribing will automatically notify you of any changes to it. In addition, if a particular platform is not currently listed as being supported, a request for additions to this list can be made through the Veritas Product Enhancement Web site: <http://enhancement.veritas.com>.

### Detailed Supportability Notes

- Note 01:** Support for Microsoft Logical Disk Manager and Network Appliance SnapDrive™, SnapMirror and SnapManager is available only with Veritas Cluster Server for Windows (VCSW). These technologies are not supported with Veritas Storage Foundation for Windows or Veritas Storage Foundation HA for Windows.
- Note 02:** Veritas Cluster Server for Windows replaces Veritas Cluster for NetApp SnapMirror. It is a version of Veritas Cluster Server that supports storage management technologies other than SFW, such as Microsoft Logical Disk Manager and Network Appliance SnapDrive, SnapMirror. To utilize the integrated functionality between Storage Foundation for Windows and Veritas Cluster Server, the Storage Foundation HA (or HA/DR) for Windows bundle needs to be used. VCSW and SFW can't be used together if bought separately.
- Note 03:** Oracle Enterprise Manager (OEM) 10g and 11g can be used to manage Oracle database under VCS control through the Grid Control Management interface. Clustering of Oracle Enterprise Manager Grid Control database is not supported.
- Note 04:** See VCSW Release Notes for how to configure SEP 11 MR3 & MR4 in a clustered environment. See also:  
<http://www.symantec.com/docs/TECH87411>  
<http://www.symantec.com/docs/TECH87412>
- Note 05:** Agent supports WebSphere Application Server 6.0 and 6.1. Agent was qualified with Microsoft Windows 2003 server (32-bit), Microsoft Windows Server 2003 (x64).
- Note 06:** Agent supports WebSphere Queue Manager 6.0 and 7.0. Agent was qualified with Microsoft Windows 2003 Server (32-bit), Microsoft Windows Server 2003 (x64), Microsoft Windows Server 2003 (IA64).
- Note 07:** Agent supports the following SAP versions:  
\* 4.6C with a 4.6D kernel  
\* 4.6D  
\* 4.7 Enterprise Version  
\* SAP R/3  
\* SAP Web AS 6.20, 6.40, 7.00  
\* SAP NetWeaver 04, 04s  
\* mySAP Business Suite Based on SAP NetWeaver Platform  
\* Applications based on SAP NetWeaver Platform  
Agent was qualified with Microsoft Windows Server 2003, Microsoft Windows Server 2003 (x64) and Microsoft Windows Server 2003 (IA64).
- Note 08:** An enhancement is required in order to monitor SQL Server 2008 instances running under VCS. For more information, see:  
<http://www.symantec.com/docs/TECH73608>
- Note 09:** There is no VCS Windows dependency on the Microsoft iSCSI initiator version. Version recommended by hardware vendor and Microsoft should be used.
- Note 10:** The vMotion service within vSphere is not supported due to SCSI reservation issues.
- Note 11:** VCS cluster resource for SMSMSE6.5.0 and SMSMSE6.5.1 for Exchange 2010 support is not required as Exchange 2010 is installed in Stand alone mode.
- Note 12:** IA64 agent support for Oracle 9i, 10gR1, and 10gR2 are only supported on Windows Server 2003 IA64. All other Windows Server IA64 platforms (2003 R2, 2008, 2008 R2) are unsupported.  
X64 agent support for Oracle 10gR1 is limited to only Windows Server 2003 X64 and Oracle 11gR1 is limited to only Windows Server 2003 X64 and Windows Server 2008 X64. Oracle 10gR2 and 11gR2 are fully supported on all Windows Server x64 platforms (2003, 2003 R2, 2008, 2008 R2).  
X86 agent support for Oracle 9i and 10gR1 are limited to only Windows Server 2003 x86 and Windows Server 2003 R2 x86. 10gR2, 11gR1 and 11gR2 are limited to only Windows Server 2008 x86.
- Note 13:** For SEP 11 MR5, VCS must be configured first. Then SEP can be installed/enabled.
- Note 14:** All SEP releases from 11.0 to 11.4 are MR (Maintenance Release), but all new releases from 11.5 to later are renamed as RU (Release Update).
- Note 15:** In Symantec Endpoint Protection 11.0RU6 environment, for Windows 2008, Windows 2008 SP2 and Windows 2008 R2, configure the VCS private links over UDP. While using VCS Configuration Wizard (VCW) choose LLT over UDP option on Network Selection page.
- Note 16:** In order to bring up MS Exchange with Symantec Anti-Virus and SMS Exchange on the same system, you must add directory exclusions to Symantec Anti-Virus for the temp directories used by SMS Exchange (see SMS Exchange documentation or Symantec Knowledge base for details).
- Note 17:** SMSMSE 6.0 or prior versions support VCS with Exchange 2003 only. It is not supported with VCS with Exchange 2007 or higher. SMSMSE 6.03 and greater are supported with VCS with Exchange 2003 and Exchange 2007 or higher.
- Note 18:** Please use Veritas Operations Manager instead of Veritas Storage Foundation Manager (SFM) Managed Host and Veritas Cluster Server Management Console (VCS MC) with SFW HA 5.1 SP2
- Note 19:** Need to configure Veritas Storage Foundation Messaging Service to run in Domain Administrator account before switching global service groups between clusters, please refer to technote <http://www.symantec.com/docs/TECH141106>
- Note 20:** For Oracle 11gR1, Please visit Symantec support site for updated VCS Agent for Oracle Configuration:  
<http://www.symantec.com/docs/DOC3309>
- Note 21:** There is a known issue with NBU 6.0 - 6.0 MP3 and VCS 5.1 SP2 such that NBU cannot be made highly available using this version of VCS. This is fixed in NBU 6.0 MP4. The bundled NBU 6.0 MP4 media must be used in order to install and configure NBU 6.0 into SFW HA 5.1 SP2.

<b>Note 22:</b> Also check the Veritas NetBackup Software Compatibility Lists (SCL's): NetBackup 6.x: <a href="http://www.symantec.com/docs/TECH43619">http://www.symantec.com/docs/TECH43619</a> , NetBackup 7.x: <a href="http://www.symantec.com/docs/TECH126902">http://www.symantec.com/docs/TECH126902</a>
<b>Note 23:</b> NetBackup (NBU) does not yet support Bare Metal Restore (BMR) on hosts running SFW/SFW HA 5.x.
<b>Note 24:</b> Do not configure VCS when using BE2010 on Windows 2008, Windows 2008 SP2 and Windows 2008 R2, as it will fail and OS will hang. BE2010 can work with SFWHA5.1 SP2 on Windows 2003.
<b>Note 25:</b> Do not configure VCS when using BE2010 R2 on Windows 2008, Windows 2008 SP2 and Windows 2008 R2, as it will fail and OS will hang. BE2010 R2 can work with SFWHA5.1 SP2 on Windows 2003.
<b>Note 26:</b> For BESR 2010 and SFWHA 5.1 SP2 in a DR environment to avoid a server from hanging, please refer to the hotfix: <a href="http://www.symantec.com/docs/TECH124816">http://www.symantec.com/docs/TECH124816</a>
<b>Note 27:</b> Exchange 2003 off-host backup failed when using NetBackup 7.0 and SFW 5.x on 32 bit Windows OS.
<b>Note 28:</b> This is tested with SFW HA. Product features that rely on SFW HA may not work in a VCS for Windows environment.
<b>Note 29:</b> Do not back up the system volume with data volumes when using the VSS Advanced Open File Option- a multiple-volume snapshot with VSS is limited to non-system volumes only, as it will fail if the system volume is included. This limitation applies when you are using a VSS-enabled backup program, such as NetBackup 6.x. Do not back up the entire server in a single backup job when utilizing VSS. Back up your system volume in one backup job and the remaining volumes in a second backup job. NBU 6.x does not officially support offhost backup of a clustered Microsoft Exchange Server (in either MSCS or VCS). However, a hotfix is available through NBU Technical Support.
<b>Note 30:</b> All 32-bit versions of Oracle are unsupported on all Windows Server x64 platforms (2003, 2003R2, 2008, 2008 R2).
<b>Note 31:</b> EV10.0 is only supported on windows 2008 R2 and higher.
Revision History: V1.6 October 25, 2012 Veritas Cluster Server 5.1 SP2 for Windows