

Veritas InfoScale™ 7.3 for Windows

Software Compatibility List

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Contents

General Notes	3
Support Legend	4
Operating Systems	5
Operating Systems – Client Components.....	6
Virtualization Platforms	7
Cloud Platform	8
Upgrade	9
General Solutions.....	11
Manageability and Monitoring.....	14
Backup Management	15
Security and Miscellaneous Software.....	17

General Notes

All the software configurations listed in this document have been qualified with the following products: Veritas InfoScale™ Enterprise 7.3 for Windows®, Veritas InfoScale™ Storage 7.3 for Windows®, Veritas InfoScale™ Availability 7.3 for Windows®, Veritas InfoScale™ Foundation 7.3 for Windows®. The following features are also supported: Volume Replicator, Dynamic Multi-Pathing, FlashSnap, and Cluster for Microsoft® Failover Clustering.

Since the number of combinations is quite large, it is not possible to test them all for compatibility. If a particular service pack or version of an application is not listed as specifically tested by Veritas, it may work fine, but has not been explicitly tested with the Veritas InfoScale for Windows products. Software applications that are not on the Veritas InfoScale 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.

The information in this document will be updated as necessary, so subscribe to it to get automatic notifications of any changes. In addition, if a particular platform or application is not currently listed as being supported, a request for additions to this list can be made through submitting a suggestion or idea for Veritas products: https://www.veritas.com/support/en_US/article.000095704.

For a listing of the supported third-party multi-path software, see the Veritas InfoScale for Windows Hardware Compatibility List (HCL).

Support Legend

The following support legends are used in this document.

Tested and supported	S
Supported with limitations	L
Compatible and supported, but not tested by Veritas	C
Not supported	X
Not applicable	N/A

Operating Systems

The following Microsoft operating systems are supported.

Vendor	Product	Version	Veritas InfoScale™			
			Enterprise	Storage	Availability	Foundation
Microsoft	Windows Server 2016 Datacenter ^[1]	GA	S	S	S	S
Microsoft	Windows Server 2016 Standard ^[1]	GA	S	S	S	S
Microsoft	Windows Server 2016 Essentials ^[1]	GA	C	C	C	C
Microsoft	Windows Server 2012 R2 Datacenter ^[1]	GA	S	S	S	S
Microsoft	Windows Server 2012 R2 Standard ^[1]	GA	S	S	S	S
Microsoft	Windows Server 2012 R2 Essentials	GA	C	C	C	C
Microsoft	Windows Server 2012 R2 Foundation	GA	C	C	C	C
Microsoft	Windows Storage Server 2012 R2	GA	S	S	S	S
Microsoft	Windows Server 2012 Datacenter ^[1]	GA	S	S	S	S
Microsoft	Windows Server 2012 Standard ^[1]	GA	S	S	S	S
Microsoft	Windows Server 2012 Essentials	GA	C	C	C	C
Microsoft	Windows Server 2012 Foundation	GA	C	C	C	C
Microsoft	Windows Storage Server 2012	GA	S	S	S	S

1. The support for Windows 2012, 2012 R2, and 2016 includes Server Core versions. Note that client components cannot be installed on Server Core systems.

Operating Systems – Client Components

The following Microsoft operating systems are supported for InfoScale client components.

Vendor	Product	Version	Veritas InfoScale™
Microsoft	Windows 10	GA	C
Microsoft	Windows 8.1	GA	C
Microsoft	Windows 8	GA	C
Microsoft	Windows 7	GA, SP1	C
Microsoft	Windows Vista	GA, SP1, SP2	C

1. InfoScale client components refer to Graphical User Interfaces (GUI) that include Cluster Manager (Java Console), Veritas Enterprise Administrator (VEA), and Solutions Configuration Center (SCC).
2. You can install the InfoScale client components, and not the server components, on Windows client operating systems.

Virtualization Platforms

The following virtualization platforms are supported.

Vendor	Product	Version	Veritas InfoScale™			
			Enterprise	Storage	Availability	Foundation
Microsoft	Windows Server 2016 Hyper-V	GA	S	S	S	S
Microsoft	Windows Server 2012 R2 Hyper-V	GA	S	S	S	S
Microsoft	Windows Server 2012 Hyper-V	GA	S	S	S	S
Microsoft	Microsoft System Center Virtual Machine Manager 2016	GA	S	S	S	S
Microsoft	Microsoft System Center Virtual Machine Manager 2012 R2 ^[1]	GA	S	S	S	S
Microsoft	Microsoft System Center Virtual Machine Manager 2012 ^{[1][2]}	GA, SP1	S	S	S	S
VMware	VMware ESXi ^[4]	6.0, 6.0 U1, 6.0 U2, 6.5	S	S	S	S
VMware	VMware ESXi ^[3]	5.5, 5.5 U1, 5.5 U2, 5.5 U3	S	C	S	C
VMware	VMware ESXi ^[3]	5.1, 5.1 U1, 5.1 U2, 5.1 U3	S	C	S	C
VMware	VMware ESXi ^[3]	5.0 U3	C	C	C	C
VMware	VMware vCenter Server	6.0, 6.0 U1, 6.0 U2,6.5	S	C	S	C
VMware	VMware vCenter Server	5.5, 5.5 U1, 5.5 U2, 5.5 U3	S	C	S	C
VMware	VMware vCenter Server	5.1, 5.1 U1, 5.1 U2, 5.1 U3	S	C	S	C

VMware	VMware vCenter Server	5.0 U3	C	C	C	C
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1. A virtual machine created using Failover Cluster Manager cannot be monitored and managed using System Center Virtual Machine Manager 2012, 2012 R2 and 2016 on Windows Server 2012, 2012 R2 and 2016.
2. While adding Hyper-V cluster hosts with a Veritas InfoScale Storage for Windows disk resource type to System Center Virtual Machine Manager 2012, the host cluster is not fully refreshed. Refer to the technote at: <http://www.veritas.com/docs/000086647>.
3. VMware vMotion is supported only if the guest storage configuration involves non-shared SCSI bus disks.
4. VMware vMotion is supported only for a cluster of virtual machines across physical hosts with pass-through RDMs.

Cloud Platform

The following cloud platforms are supported.

Vendor	Product	Win2K12	Win2K12R2	Win2K16
Microsoft	Azure	S	S	S

Upgrade

The following products upgrade matrices are supported.

Vendor	Product	Version	Veritas InfoScale™			
			Enterprise	Storage	Availability	Foundation
Veritas	Veritas InfoScale™ Enterprise ^[1]	7.3	N/A	N/A	N/A	N/A
Veritas	Veritas InfoScale™ Storage	7.3	S	N/A	N/A	N/A
Veritas	Veritas InfoScale™ Availability ^[1]	7.3	S	N/A	N/A	N/A
Veritas	Veritas InfoScale™ Foundation	7.3	S	S	N/A	N/A
Veritas	Veritas InfoScale™ Enterprise ^[1]	7.0, 7.0.1, 7.1, 7.2	S	N/A	N/A	N/A
Veritas	Veritas InfoScale™ Storage	7.0, 7.0.1, 7.1, 7.2	N/A	S	N/A	N/A
Veritas	Veritas InfoScale™ Availability ^[1]	7.0, 7.0.1, 7.1, 7.2	N/A	N/A	S	N/A
Veritas	Veritas InfoScale™ Foundation	7.0, 7.0.1, 7.1, 7.2	N/A	N/A	N/A	S
Symantec	Symantec Storage Foundation HA for Windows (SFW HA)	6.0.2, 6.1	S	N/A	N/A	N/A
Symantec	Symantec Storage Foundation for Windows (SFW)	6.0.2, 6.1	N/A	S	N/A	N/A
Symantec	Symantec Cluster Server for Windows (VCSW) ^[2]	6.0.2, 6.1	N/A	N/A	S	N/A

1. Veritas InfoScale Availability for Windows, which is a part of Veritas InfoScale Enterprise for Windows, requires that the nodes are part of a Microsoft Active Directory domain. However, there are some scenarios that are supported without Active Directory and more information is found in the technote at: <http://www.veritas.com/docs/000086691>.
2. Veritas InfoScale Storage for Windows and Veritas InfoScale Enterprise for Windows can be used with Network Appliance storage arrays. However, support for Network Appliance storage software products such as SnapDrive™, SnapMirror, and SnapManager for Exchange is available only with Veritas InfoScale Availability for Windows. There is no support for these applications for use with Veritas InfoScale Storage for Windows or Veritas InfoScale Enterprise for Windows due to the lack of dynamic disk support with these Network Appliance applications at this time.
3. If upgrading from an older SF, SFW HA, or InfoScale product version on Windows Server 2008 R2 to a higher Windows Server version and InfoScale 7.3, first upgrade the operating system and then upgrade the InfoScale product.

General Solutions

The following solutions and applications are supported.

Vendor	Product	Version	Veritas InfoScale™ Availability			
			Enterprise	Storage	Availabili tv	Foundation
Microsoft	Microsoft SQL Server 2016	GA, SP1	S	S	S	S
Microsoft	Microsoft SQL Server 2014	GA, SP1, SP2	S	S	S	S
Microsoft	Microsoft SQL Server 2012	GA, SP1, SP2, SP3, SP4	S	S	S	S
Microsoft	Microsoft Exchange Server 2013 ^[10]	GA, SP1	X	C	X	C
Microsoft	Microsoft Exchange Server 2010	GA, SP1, SP2, SP3	S	S	S	S
Microsoft	Microsoft SharePoint Server 2013 ^[1]	GA, SP1	L	L	S	L
Microsoft	Microsoft SharePoint Server 2010 ^[1]	GA, SP1, SP2	L	L	S	L
Veritas	Veritas Enterprise Vault ^{[2][4][5][6]}	12, 12.1	L	S	L	L
Veritas	Veritas Enterprise Vault ^{[2][3][4][6]}	11, 11.0.1	L	C	L	C
Veritas	Veritas Enterprise Vault ^{[2][3][4][6]}	10, 10.0.1, 10.0.2, 10.0.3, 10.0.4	L	C	L	C

Oracle	Oracle Database ^{[7][8]}	12c, 12cR2 ¹¹	L	C	L	C
Oracle	Oracle Database ^{[7][8]}	11gR2	L	C	L	C
Oracle	Oracle Database ^{[7][8]}	10gR2	L	C	L	C
NetApp	Data ONTAP Operating System	7.1.2, 7.2.x, 7.3, 7.3.x	N/A	N/A	S	N/A
NetApp	Data ONTAP Operating System ^[9]	8.0.x, 8.1.x, 8.2.x	N/A	N/A	S	N/A
NetApp	SnapDrive for Windows	4.1, 4.2	N/A	N/A	S	N/A
NetApp	SnapDrive for Windows	5.0	N/A	N/A	S	N/A
NetApp	SnapDrive for Windows	6.0.6.0.2, 6.1, 6.2, 6.3, 6.4, 6.5	N/A	N/A	S	N/A
NetApp	SnapDrive for Windows	7.1.3	N/A	N/A	S	N/A
NetApp	SnapMirror Data Replication	8.0.x	N/A	N/A	C	N/A
NetApp	SnapMirror Data Replication	7.1.2, 7.2, 7.2.5.1, 7.3.3	N/A	N/A	S	N/A
NetApp	SnapManager for Microsoft Exchange Server	5.0, 6.0	N/A	N/A	S	N/A
NetApp	SnapManager for Microsoft SQL Server	5.0 R1	N/A	N/A	S	N/A

1. FlashSnap is not supported for SharePoint Server 2010 and 2013.

2. The Veritas Enterprise Vault Configuration Wizard crashes when selecting a VCS service group to configure Enterprise Vault. For more information and a hotfix, refer to the technote at: <http://www.veritas.com/docs/000108395>.

3. The Veritas Enterprise Vault for File System Archiving (FSA) Cluster configuration Wizard fails when attempting to authenticate to a VCS cluster. For more information and a hotfix, refer to the technote at: <http://www.veritas.com/docs/000018864>.
4. IPv6 is not supported when clustering Enterprise Vault 9.x and higher with Veritas InfoScale Enterprise for Windows.
5. For information about the support for System Center Operations Manager (SCOM) 2012 and 2012 R2, refer to the technote at: <https://sort.veritas.com/scom>.
6. A clustered MSMQ instance may fail to come online after initial configuration or a node reboot. For more information and a workaround, refer to the technote at: <http://www.veritas.com/docs/000022629>.
7. Oracle Enterprise Manager (OEM) 10gR2, 11gR2, and 12c can be used to manage an Oracle database under VCS control through the Grid Control Management interface. Clustering of Oracle Enterprise Manager Grid Control database is not supported.
8. All the minor releases of Oracle 10gR2, Oracle 11gR2, and Oracle 12c are supported. None of the 32-bit versions of Oracle are supported.
9. Agents shipped with InfoScale 7.3 support only Data ONTAP Operating System 7-mode. For Cluster Mode (C-mode) support, see <https://sort.veritas.com/agents>.
10. FlashSnap is not supported for Exchange Server 2013.
11. Oracle 12cR2 is qualified only on Windows 2012 R2.

Manageability and Monitoring

The following applications can monitor physical servers or virtual servers.

Vendor	Product	Version	Veritas InfoScale™			
			Enterprise	Storage	Availability	Foundation
Veritas	Veritas InfoScale Operations Manager ^[1]	7.3	S	S	S	S
Microsoft	Microsoft System Center Operations Manager 2016	GA	X	S	X	S
Microsoft	Microsoft System Center Operations Manager 2012 R2	GA	S	S	S	S
Microsoft	Microsoft System Center Operations Manager 2012	GA, SP1	S	S	S	S

1. VCS application failover can be used to cluster a Veritas InfoScale Operations Manager CMS.

Backup Management

The following backup applications are supported.

Vendor	Product	Version	Veritas InfoScale™			
			Enterprise	Storage	Availability	Foundation
Veritas	Veritas NetBackup ^{[1][2][3][4][5][6] [9][10]}	8.0, 8.1	C	C	C	C
Veritas	Veritas NetBackup ^{[1][2][3][4][5][6]}	7.7, 7.7.1, 7.7.2	C	C	C	C
Veritas	Veritas NetBackup ^{[1][2][3][4][5][6]}	7.6.1, 7.6.1.1, 7.6.1.2	C	C	C	C
Veritas	Veritas NetBackup ^{[1][2][3][4][5][6]}	7.6.0.1, 7.6.0.2, 7.6.0.4	C	C	C	C
Veritas	Veritas NetBackup ^{[1][2][3][4][5][6]}	7.5.0.7	C	C	C	C
Veritas	Veritas OpsCenter Analytics	7.x	C	C	C	C
Veritas	Veritas System Recovery 2013 R2 ^[7]	GA	X	X	C	X
Veritas	Veritas System Recovery 2013 ^[7]	GA, SP1, SP2	X	X	C	X
Veritas	Veritas System Recovery 2011 ^[7]	GA, SP1, SP2, SP3	X	X	C	X

1. Veritas NetBackup (NBU) snapshots and backups are not supported for Hyper-V virtual machines residing on Veritas InfoScale managed disk groups in a Microsoft Failover Clustering environment.

2. NBU 7.x wrongly creates an IP resource using the IPv4 type definition when configuring a NetBackup IPv6 master server cluster. For more information, refer to the technote at: <http://www.veritas.com/docs/000014830>. If the resource "NetBackup_server-NBU" is not created after a NetBackup IPv6 master cluster installation is completed, please contact NBU technical support.

3. The NBU 7.x Software Compatibility Lists (SCL): (<http://www.veritas.com/docs/000006087>) supersedes this SCL for supportability.
4. NBU does not yet support Bare Metal Restore (BMR) on hosts running SFW\SFWHA 6.x and higher.
5. NBU does not support file recovery from a VMware VM backup image if the volume of VM is managed by InfoScale Storage.
6. If NBU backs up the VMware VM on which Veritas InfoScale Storage is installed, the backup job fails as it fails to quiesce the virtual machine. This issue occurs if you install a third-party backup agent on the VM. Refer to the solution from VMware at: https://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=1018194.
7. Veritas System Recovery 2011 and 2013/2013 R2 cannot discover the volumes created by InfoScale Storage 7.3.
8. Veritas Netbackup 8.1 supported on Windows 2016.
9. Veritas Netbackup 8.1 supported on Windows 2012 and Windows 2012 R2
10. Veritas Netbackup 8.0 supported on Windows 2012 and Windows 2012 R2

Security and Miscellaneous Software

The following security software and other applications are supported.

Vendor	Product	Version	Veritas InfoScale™			
			Enterprise	Storage	Availability	Foundation
Symantec	Symantec Endpoint Protection ^[1]	12.1RU6	S	S	S	S
Symantec	Symantec Endpoint Protection	11.0 RU7	C	C	C	C
Symantec	Symantec Mail Security for Microsoft Exchange ^{[2][4]}	7.5.1	C	X	C	C
Symantec	Symantec Mail Security for Microsoft Exchange ^[2]	7.0.2	C	C	C	C
McAfee	McAfee VirusScan Enterprise ^[3]	8.8	C	C	C	C
McAfee	McAfee VirusScan Enterprise ^[3]	8.7	C	C	C	C
McAfee	McAfee Security for Microsoft Exchange	8.0	C	C	C	C
McAfee	McAfee Security for Microsoft Exchange	7.6	C	C	C	C
McAfee	McAfee Host Intrusion Prevention for Server	8.0	C	C	C	C
SAP	SAP Web Application Server	7.4	C	C	C	C
SAP	SAP Web Application Server	7.3	C	C	C	C
SAP	SAP Web Application Server	7.1	C	C	C	C

1. For additional configuration steps required for co-existence with Symantec EndPoint Protection (SEP) 12.1 and higher, refer to the product release notes on SORT: <https://sort.veritas.com/documents>. Select the product, release version, and the platform from the available filters.
2. VCS cluster resource for SMSMSE 6.5.x/7.1.x/7.5.x for Exchange 2010 support is not required, because Exchange 2010 is installed in Standalone mode.
3. McAfee VirusScan Enterprise can co-exist with the InfoScale products but it cannot be made highly available.
4. SMSMSE installation operation failed when InfoScale Storage manage disks in a Microsoft Failover Clustering environment.