Veritas InfoScale 7.4.1 Compatibility Matrix - Linux

VERITAS

InfoScale Enterprise (InfoScale Storage: Limited SF, SF, SFCFS — InfoScale Foundation: Limited SF; InfoScale Availability: VCS; SFHA, SFCFSHA, SFRAC, SFAE)

	Component	Version	Limited SF	SF	SFCFS	VCS[5]	SFHA	SFCFSHA	SFRAC[2]	SFAE
Operating System Support (x86 Architecture)	RHEL / OL 6	U8, U9, U10	S	S	S	S	S	S	S	S
	RHEL / OL 7	7.4, 7.5, 7.6, 7.7, 7.8, 7.9	S	S	S	S	S	S	S	S
	RHEL 8	8.1, 8.2, 8.3, 8.4, 8.5, 8.6	S	S	S	S	S	S	S	S
	OL 8	8.1, 8.2	S	S	S	S	S	S	S	S
	OL 6 UEK2	U8, U9, U10				S				
	OL 7 UEK3	7.4, 7.5, 7.6				S				
	SLES 11	SP3, SP4	S	S	S	S	S	S	S	S
	SLES 12	SP2, SP3, SP4, SP5	S	S	S	S	S	S		S
	SLES 15	GA, SP1, SP2	S	S	S	S	S	S		S
	CentOS 6	6.8, 6.9, 6.10	S	S	S	S	S	S		S
	CentOS 7	7.4, 7.5, 7.6, 7.7, 7.8, 7.9	S	S	S	S	S	S		S
	CentOS 8	8.1, 8.2	S	S	S	S	S	S		S
Native Installer Support	Kickstart (RHEL)		S	S	S	S	S	S	S	
	YUM (RHEL)		S	S	S	S	S	S	S	
Third-Party Database Products[2]	Oracle RDBMS	11g R2	S	S	S	S	S	S		S
	Oracle RDBMS	11g R2 RAC[2]								
	Oracle RDBMS	12c R1	S	S	S	S	S	S		S
	Oracle RDBMS	12c R1 RAC[2]								
	Oracle RDBMS	12c R2	S	S	S	S	S	S		S
	Oracle RDBMS	12c R2 RAC[2]								
	Oracle RDBMS	18c	S	S	S	S	S	S		S
	Oracle RDBMS	18c RAC[2]								
	Oracle RDBMS	19c	S	S	S	S	S	S		S
	Oracle RDBMS	19c RAC							S	
	Sybase	15.x, 16.x[10]	S	S	S	S	S	S		
	IBM DB2	10.1, 10.5, 11.1[10]	S	S	S	S	S	S		S
	IBM DB2	11.5[10, 12]	S	S	S	S	S	S		
InfoScale Critical Features / Configuration Options	VxVM	7.4.1	S	S	S		S	S	S	
	DMP	7.4.1	S	S	S		S	S	S	
	CVM	7.4.1		S	S		S	S	S	
	VVR	7.4.1		S	S		S	S	S	
	CVM + VVR	7.4.1			S			S	S	
	FMR4	7.4.1	SWL	S	S		S	S	S	
	VxFS	7.4.1	S	S	S		S	S	S	
	CFS	7.4.1		S	S		S	S	S	
	TP/TR	7.4.1		S	S		S	S	S	
	HA (VCS)	7.4.1				S	S	S	S	
	DR	7.4.1				S	S	S	S	
	Campus Cluster	7.4.1			S	S	S	S	S	
	De-Duplication	7.4.1		S	S		S	S	S	
	FS Compression	7.4.1		S	S		S	S	S	
	File Replication	7.4.1		S	S		S	S	S	
	VBS	7.4.1				S	S	S	S	
	CPS Fencing	7.4.1				S	S	S	S	
	SmartIO - Read Caching	7.4.1		S	S		S	S	S	
	SmartIO - Write Back Caching	7.4.1		S	S		S	SWL[9]		
	Flexible Storage Sharing	7.4.1		S	S		S	S	S	
Coexisting Products	NetBackup	8.1.2		S		S		S		
	NetBackup	8.2		S		S	S	S		
	NetBackup	8.3		S		S	S	S		
	NetBackup	8.3.0.1		S		S	S	S		
	NetBackup	9.0, 9.0.0.1, 9.1, 9.1.0.1		S		S	S	S		
	NetBackup	10		S		S	S	S		
	NetBackup	10.1		S		S	S	S		
	NetBackup	10.0.0.1		S		S	S	S		
	NetBackup	10.1.1		S		S	S	S		
	NetBackup	10.3		S		S	S	S		
	InfoScale Operations Manager MH	7.4.1	S	S	S	S	S	S		
Virtualization[1]	VMWare (In-guest clustering)	vSphere 6.0, U2, U3; 6.5 U1, U2; 6.7 U1[15], U2[15], U3[15]; 7.0 U1[13], U2a[13], 7.0 Update 3c	SWL	S	S	S	S	SWL[8]		
	KVM (In-guest clustering)		SWL	S	S	S[6]	S[6]	S[6]		
	RHEV (On Host)	3.5, 3.6								
	RHEV (In-guest clustering)	3.4, 3.5, 3.6	SWL	S	S	S[7]	S[7]	S[7]		
	Hyper-V (In-guest clustering)	2012R2, 2016	S	S	S	S	S	SWL[8]		
	OpenStack (In-guest clustering)	RHOSP 10, 11, 12, 13 Mirantis 9				S				
	Nutanix	AOS 5.10.5, 5.20				S	S	S		
Cloud	Azure	NA	S	S	S	S	S	S	S	
	AWS	NA	S	S	S	S	S	S	S	
	GCP	NA	S	S	S	S	S	S	S	

Operating System Support

	Component	Version	RHEL 6 U8, U9, U10	RHEL 7.4, 7.5, 7.6, 7.7, 7.8, 7.9	RHEL 8.1, 8.2, 8.3, 8.4, 8.5, 8.6	RHEL-H 3.4, 3.5	OL 6 UEK2 U8, U9, U10	OL 7 UEK3 7.4, 7.5, 7.6, 7.7, 7.8, 7.9	SLES 11 SP3, SP4	SLES 12 SP2, SP3, SP4, SP5	SLES 15 GA, SP1, SP2	CentOS 6.8, 6.9, 6.10	CentOS 7.4, 7.5, 7.6, 7.7, 7.8, 7.9	CentOS 8.1, 8.2
Operating System Support (x86 Architecture)	RHEL / OL 6	U8, U9, U10				S								
	RHEL / OL 7	7.4, 7.5, 7.6, 7.7, 7.8, 7.9												
	RHEL 8	8.1, 8.2, 8.3, 8.4, 8.5, 8.6												
	OL 8	8.1, 8.2												
	OL 6 UEK2	U8, U9, U10												
	OL 7 UEK3	7.4, 7.5, 7.6												
	SLES 11	SP3, SP4												
	SLES 12	SP2, SP3, SP4, SP5												
	SLES 15	GA, SP1, SP2												
	CentOS 6	6.8, 6.9, 6.10												
	CentOS 7	7.4, 7.5, 7.6, 7.7, 7.8, 7.9												
	CentOS 8	8.1, 8.2												
Native Installer Support	Kickstart (RHEL)		S	S	S		S	S						
	YUM (RHEL)		S	S	S		S	S						
Third-Party Database Products[2]	Oracle RDBMS	11g R2	S	S			S	S	S	S				
	Oracle RDBMS	11g R2 RAC[2]												
	Oracle RDBMS	12c R1	S	S			S	S	S	S				
	Oracle RDBMS	12c R1 RAC[2]												
	Oracle RDBMS	12c R2	S	S			S	S		S	S			
	Oracle RDBMS	12c R2 RAC[2]												
	Oracle RDBMS	18c	S	S			S	S		S				
	Oracle RDBMS	18c RAC[2]												
	Oracle RDBMS	19c		S	S			S		S	S			
	Oracle RDBMS	19c RAC		S	S									
	Sybase	15.x, 16.x[10]	S	S			S	S	S	S				
	IBM DB2	10.1, 10.5, 11.1[10]	S	S			S	S	S	S				
	IBM DB2	11.5[10, 12]			S[12]									
InfoScale Critical Features / Configuration Options	VxVM	7.4.1	S	S	S	S			S	S	S	S	S	S
	DMP	7.4.1	S	S	S	S			S	S	S	S	S	S
	CVM	7.4.1	S	S	S	S			S	S	S	S	S	S
	VVR	7.4.1	S	S	S	S			S	S	S	S	S	S
	CVM + VVR	7.4.1	S	S	S	S			S	S	S	S	S	S
	FMR4	7.4.1	S	S	S	S			S	S	S	S	S	S
	VxFS	7.4.1	S	S	S	S			S	S	S	S	S	S
	CFS	7.4.1	S	S	S	S			S	S	S	S	S	S
	TP/TR	7.4.1	S	S	S	S			S	S	S	S	S	S
	HA (VCS)	7.4.1	S	S	S	S	S	S	S	S	S	S	S	S
	DR	7.4.1	S	S	S	S			S	S	S	S	S	S
	Campus Cluster	7.4.1	S	S					S	S	S	S	S	S
	De-Duplication	7.4.1	S	S	S	S			S	S	S	S	S	S
	FS Compression	7.4.1	S	S	S	S			S	S	S	S	S	S
	File Replication	7.4.1	S	S	S	S			S	S	S	S	S	S
	VBS	7.4.1	S	S	S	S			S	S	S	S	S	S
	CPS Fencing	7.4.1	S	S	S	S			S	S	S	S	S	S
	SmartIO - Read Caching	7.4.1	S	S	S	S			S	S	S	S	S	S
	SmartIO - Write Back Caching	7.4.1	S	S	S	S			S	S	S	S	S	S
	Flexible Storage Sharing	7.4.1	S	S	S	S			S	S	S	S	S	S
Coexisting Products	NetBackup	8.1.2	S[16]	S[16]	S[27]									
	NetBackup	8.2		S[4]	S[4]					S[4]				S[25]
	NetBackup	8.3		S[3]	S[3]								S[26]	S
	NetBackup	8.3.0.1		S[14]	S[17]					S[18]			S[26]	S
	NetBackup	9.0, 9.0.0.1, 9.1, 9.1.0.1		S[19,20,21,22]									S[24,26]	
	NetBackup	10		S[19]										
	NetBackup	10.1		S[19]										
	NetBackup	10.0.0.1		S[19]										
	NetBackup	10.1.1		S[19]										
	NetBackup	10.3		S[19]										
	InfoScale Operations Manager MH	7.4.1	S	S			S	S	S					
Virtualization[1]	VMWare (In-guest clustering)	vSphere 6.0, U2, U3; 6.5 U1, U2; 6.7 U1[15], U2[15], U3[15]; 7.0 U1[13], U2a[13], 7.0 Update 3c	S	S					S	S	S			
	KVM (In-guest clustering)		S						S	S	S			
	RHEV (On Host)	3.5, 3.6												
	RHEV (In-guest clustering)	3.4, 3.5, 3.6	S											
	Hyper-V (In-guest clustering)	2012R2, 2016	S	S										
	OpenStack (In-guest clustering)	RHOSP 10, 11, 12, 13 Mirantis 9	S	S										
	Nutanix	AOS 5.10.5, 5.20	S	S									S	
Cloud	Azure	NA	S	S					S	S				
	AWS	NA	S	S								S	S	S
	GCP	NA	S	S								S	S	S

Coexistence Support

	Component	Version	NetBackup 8.1.2	NetBackup 8.2	NetBackup 8.3	NetBackup 8.3.0.1	NetBackup 9.0, 9.0.0.1, 9.1, 9.1.0.1	NetBackup 10	NetBackup 10.1	NetBackup 10.0.0.1	NetBackup 10.1.1	NetBackup 10.3	InfoScale Operations Manager MS 7.4.1[11]
Operating System Support (x86 Architecture)	RHEL / OL 6	U8, U9, U10	S[16]										S
	RHEL / OL 7	7.4, 7.5, 7.6, 7.7, 7.8, 7.9	S[16]	S[4]	S[3]	S[14]	S[19,20,21,22,23]	S[19]	S[19]	S[19]	S[19]	S[19]	S
	RHEL 8	8.1, 8.2, 8.3, 8.4, 8.5, 8.6	S[27]	S[4]	S[3]	S[17]							
	OL 8	8.1, 8.2											
	OL 6 UEK2	U8, U9, U10											S
	OL 7 UEK3	7.4, 7.5, 7.6											S
	SLES 11	SP3, SP4											S
	SLES 12	SP2, SP3, SP4, SP5		S[4]		S[18]							S
	SLES 15	GA, SP1, SP2			S[3]								S
	CentOS 6	6.8, 6.9, 6.10											S
	CentOS 7	7.4, 7.5, 7.6, 7.7, 7.8, 7.9			S[26]	S[26]	S[24,26]						S
	CentOS 8	8.1, 8.2		S[25]	S	S							S
Native Installer Support	Kickstart (RHEL)												
	YUM (RHEL)												
Third-Party Database Products[2]	Oracle RDBMS	11g R2											SWL
	Oracle RDBMS	11g R2 RAC[2]											
	Oracle RDBMS	12c R1											SWL
	Oracle RDBMS	12c R1 RAC[2]											
	Oracle RDBMS	12c R2											SWL
	Oracle RDBMS	12c R2 RAC[2]											
	Oracle RDBMS	18c											SWL
	Oracle RDBMS	18c RAC[2]											
	Oracle RDBMS	19c											
	Oracle RDBMS	19c RAC											
	Sybase	15.x, 16.x[10]											SWL
	IBM DB2	10.1, 10.5, 11.1[10]											SWL
	IBM DB2	11.5[10, 12]											SWL
InfoScale Critical Features / Configuration Options	VxVM	7.4.1	S	S	S	S	S	S	S	S	S	S	SWL
	DMP	7.4.1											SWL
	CVM	7.4.1	S	S	S	S	S	S	S	S	S	S	SWL
	VVR	7.4.1	S										SWL
	CVM + VVR	7.4.1											SWL
	FMR4	7.4.1											SWL
	VxFS	7.4.1	S	S	S	S	S	S	S	S	S	S	SWL
	CFS	7.4.1	S	S	S	S	S	S	S	S	S	S	SWL
	TP/TR	7.4.1											SWL
	HA (VCS)	7.4.1	S	S	S	S	S	S	S	S	S	S	SWL
	DR	7.4.1	S										SWL
	Campus Cluster	7.4.1											SWL
	De-Duplication	7.4.1											SWL
	FS Compression	7.4.1											SWL
	File Replication	7.4.1											
	VBS	7.4.1											S
	CPS Fencing	7.4.1	S	S	S	S	S	S	S	S	S	S	
	SmartIO - Read Caching	7.4.1											SWL
	SmartIO - Write Back Caching	7.4.1											SWL
	Flexible Storage Sharing	7.4.1					S	S	S	S	S	S	SWL
Coexisting Products	NetBackup	8.1.2											
	NetBackup	8.2											
	NetBackup	8.3											
	NetBackup	8.3.0.1											
	NetBackup	9.0, 9.0.0.1, 9.1, 9.1.0.1											
	NetBackup	10											
	NetBackup	10.1											
	NetBackup	10.0.0.1											
	NetBackup	10.1.1											
	NetBackup	10.3											
	InfoScale Operations Manager MH	7.4.1											
Virtualization[1]	VMWare (In-guest clustering)	vSphere 6.0, U2, U3; 6.5 U1, U2; 6.7 U1[15], U2[15], U3[15]; 7.0 U1[13], U2a[13], 7.0 Update 3c											S
	KVM (In-guest clustering)												S
	RHEV (On Host)	3.5, 3.6											
	RHEV (In-guest clustering)	3.4, 3.5, 3.6											
	Hyper-V (In-guest clustering)	2012R2, 2016											
	OpenStack (In-guest clustering)	RHOSP 10, 11, 12, 13 Mirantis 9											
	Nutanix	AOS 5.10.5, 5.20											
Cloud	Azure	NA											
	AWS	NA											
	GCP	NA											

Legend

S	Supported
SWL	Supported with limitations
Co-exist	Supported from co-existence point of view
T	Tested successfully
NT	Not tested
C	Compatible
<Text>[<integer>]	Text has footnote; refer to the footnotes below the table
	Not applicable / Not available

Acronyms

ASM	Automatic Storage Management
CFS	Cluster File System
CP server	Coordination Point Server
CVM	Cluster Volume Manager
DB	Database
DMP	Dynamic Multi-pathing
FMR	Fast Mirror Resync
FS	File System
FSS	Flexible Storage Sharing
HA	High Availability
HSCL	Hardware and Software Compatibility List
KVM	Kernel-based Virtual Machine
NetBackup	NetBackup
OL	Oracle Linux
RAC	Real Application Clusters
RHEL	Red Hat Enterprise Linux
RHEV	Red Hat Enterprise Virtualization
SF	Storage Foundation
SFAE	Storage Foundation Advanced Edition
SFCFSHA	Storage Foundation Cluster File System HA
SFHA	Storage Foundation and High Availability
SFRAC	Storage Foundation for Oracle RAC
SLES	SUSE Linux Enterprise Server
SORT	Services and Operations Readiness Tools
SFSYBASECE	Storage Foundation for Sybase CE
TP/TR	Thin Provisioning / Thin Reclamation
VBS	Virtual Business Service
VCS	Veritas Cluster Server
MH	Managed Host
VMDK	Virtual Machine Disk
MS	Management Server
VVR	Veritas Volume Replicator
VxFS	Veritas File System
VxVM	Veritas Volume Manager
VIOS	Virtual I/O Server

Footnotes

1. In-guest clustering is supported for:
~ Hyper-V versions: Windows 2012 R2 Datacenter Edition and Windows Server 2016
~ OVM version: OVM (x86) Server 3.0
For details, refer to the *Veritas InfoScale Virtualization Guide* for Linux.
2. The database support matrix will be updated based on the database certification program after certification by Oracle. For details, visit:
http://www.veritas.com/docs/000116803
3. Supported on RHEL 7.6, 7.7, 7.8, 7.9, 8.1, 8.2 and SLES 15 GA, SP1 only.
4. Supported on RHEL 7.7, 7.8, 7.9, 8.2, 8.3, 8.4 and SLES 12 SP4 only.
5. VCS products support additional application agents. The support for applications is expanded through quarterly Agent Pack releases. For details, visit:
https://sort.veritas.com/agents
6. For an SFHA in-host configuration, the KVM agent can be used. For an SFHA in-guest cluster, NSF must be used.
7. For SFHA on a RHEL H host, the KVM agent (with DR capabilities) can be used. For an SFHA in-guest cluster, NSF must be used.
8. For RDM-P LUNs, disk-based fencing is supported with one guest per host on a per cluster basis.
~ For VMDK LUNs and the multi-writer flag, NSF must be used.
~ For SmartIO and FSS, vMotion is not supported.
9. Only a two-node SFCFSHA cluster is supported.
10. SFDB tools and SFAE are not supported.
11. For details on the Veritas InfoScale Operations Manager HSCL, visit:
https://sort.veritas.com/sitemap/document/4
12. Only IBM DB 11.5.4 is supported.
13. Limited support for VMware vSphere 7.0 and vSAN 6.7 U3/7.0 datastore with SCSI-3 enabled VMDK disks. For details, visit:
https://www.veritas.com/content/support/en_US/article.100048628
14. Supported with NetBackup 8.3.0.1 on RHEL 7.6, RHEL 7.7, RHEL 7.8, and RHEL 7.9 only.
15. VMware vSphere 6.7 does not support the Veritas HA plugin.
16. Supported on RHEL 6.10, RHEL 7.4, RHEL 7.5, RHEL 7.6, and RHEL 7.9 only.
17. Supported on RHEL 8.1 and 8.2 only.
18. Supported on RHEL 8.1 and SLES 12 SP5 only.
19. NetBackup 9.0, 9.0.0.1, 10, 10.0.0.1, 10.1, and 10.3 are supported on RHEL 7.9 only.
20. NetBackup 9.1 is supported on RHEL 7.7, 7.8, and 7.9 only.
21. The InfoScale FlashSnap feature is not supported with the NetBackup 9.1 Instant Recovery feature.
22. NetBackup 9.1.0.1 is supported on RHEL 7.7 only.
23. On NetBackup 9.1, when the FlashSnap Snapshot method is enabled with the IR option, the point-in-time rollback restore operations fail.
The following message is logged: "Status 2800: Standard policy restore error." To resolve the issue, upgrade to NetBackup 9.1.0.1 or later.
24. Not supported on NetBackup 9.1.0.1.
25. Supported on CentOS 8.2 only.
26. Supported on CentOS 7.9 only.
27. Supported on RHEL 8.6 only.

Other useful links

Veritas InfoScale Operations Manager
DB2 support matrix
Oracle support matrix (Oracle RAC and Oracle Single Instance)
Sybase support matrix
Agent Pack release download
NetBackup documentation and compatibility lists

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