



Hewlett Packard Enterprise

HPE Data Protector 9.0x VSS Integration Support Matrix

Version: 1.9

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Volume Shadow Copy Service (VSS) is a software service introduced by Microsoft in Windows Server 2003. Data Protector integration with Volume Shadow Copy Service provides support for the VSS writers, including functionality to perform VSS-based backup and restore.

HPE Data Protector components running in combination with application versions and operating system versions, which are not supported by their respective vendors, the support from HPE is limited to a reasonable-endeavors basis. At any time HPE, can decide to remove those combinations from the support matrix.

Updates/changes to individual fields within the Matrix will be highlighted in **RED**.

What's New

Support for 3PAR 3.3.1

Table 1: Supported platforms

Supported platforms ^{1, 2}
Windows Server 2003 Standard Edition (32-bit)
Windows Server 2003 Standard Edition (64-bit) (Itanium and x64)
Windows Server 2003 Enterprise Edition (32-bit)
Windows Server 2003 Enterprise Edition (64-bit) (Itanium and x64)
Windows Server 2003 Datacenter Edition (32-bit)
Windows Server 2003 Datacenter Edition (64-bit) (Itanium and x64)
Windows Server 2008 Standard Edition (32-bit)
Windows Server 2008 / Windows Server 2008 R2 Standard Edition (64-bit) (Itanium and x64)
Windows Server 2008 Enterprise Edition (32-bit)
Windows Server 2008 / Windows Server 2008 R2 Enterprise Edition (64-bit) (Itanium and x64)
Windows Server 2008 Datacenter Edition (32-bit)
Windows Server 2008 / Windows Server 2008 R2 Datacenter Edition (64-bit) (Itanium and x64)
Windows Server 2012 (64-bit) ³
Windows Server 2012 R2 (64-bit)

1 This matrix shows supported platforms for the VSS integration only. Data Protector also supports open file backups using VSS with disk agent backup, which are supported on the Windows platforms where VSS service is available. Open file backups using VSS with the DP Disk Agent are available as part of the base DP product, so neither the DP VSS module nor any extra licensing is required.

2 Backup host systems in a cluster are not supported.

3 All Microsoft Windows Server 2012 Editions are supported

Table 2: HPE 3PAR Storage Systems and VSS integration

HPE 3PAR Storage Systems and VSS integration ⁴					
InForm OS versions	VSS Provider ²				
	Windows Server 2003 ¹	Windows Server 2008 ³	Windows Server 2008 R2 ³	Windows Server 2012	Windows Server 2012 R2
	1.6.2	1.6.2, 2.1.0, 2.2.0	1.6.2, 2.1.0, 2.2.0, 2.5.x	2.2.0	2.3.0, 2.4.0.2, 2.5.x
2.3.1	Supported	Supported	Supported	Supported	-
3.1.1	Supported	Supported	Supported	Supported	-
3.1.2	Supported	Supported	Supported	Supported	Supported
3.1.3	Not supported	Not supported	Not Supported	Not Supported	Supported
3.2.1	Not supported	Not supported	Not Supported	Not Supported	Supported
3.2.2	Not supported	Not supported	Supported	Supported	Supported
3.3.1	Not supported	Not supported	Supported	Supported	Supported

1 Only ZDB to tape is supported.

2 For VSS Provider compatibility please refer to the 3PAR compatibility support matrix. In particular VSS Provider version 1.6.2.3 is supported only with HPE 3PAR InForm firmware version 2.3.1.

3 The important limitations when using IR are listed below.

- i) Only HPE 3PAR disk backups created by the Data Protector VSS integration can be used for instant recovery.
- ii) Only HPE 3PAR disk backups created with Data Protector Version 7.00 and newer can be used for instant recovery.

The HPE Data Protector Integration Guide for Microsoft Volume Shadow Copy Service has full list of limitations for IR

4 HPE 3PAR Volumes connected by iSCSI are supported.

The XCS version support is driven by supported EVA model and Command View (CV) version. Data Protector supports all XCS versions for the EVAs which are supported by certified CV versions. These CV versions are tested and certified by Data Protector:

Table 3: EVA – Supported Firmware & Provider versions

EVA – Supported Firmware & Provider versions				
Command View	VSS/VDS Provider			
	Windows Server 2003	Windows Server 2008	Windows Server 2008 R2	Windows Server 2012
CV 10.0	4.07.x	6.07.x	6.07.x	not supported
CV 10.1	4.07.x	6.07.x	6.07.x	not supported
CV 10.2	4.07.x	6.07.x	6.07.x	6.08.x

Table 4: EMC Storage Array Systems

EMC Storage Array Systems ¹		
Array Type	VSS Provider version	
	Windows Server 2008	Windows Server 2008 R2
VNX 5500	4.5.1.0	4.5.1.0

1 Only ZDB to tape is supported.

Table 5: XP – Supported microcode & RaidManager HORCM versions

XP – Supported microcode & RaidManager HORCM versions						
XP Type	Minimum Microcode version required	Minimum RAID Manager library version required for Windows	Provider version			
			Windows Server 2003	Windows Server 2008	Windows Server 2008 R2	Windows Server 2012
XP12000	min. 50.09.41	01.12.04	5.02.00 5.03.00	6.02.00 6.03.00	7.02.00 7.03.00	7.03.00
XP20000	60.02.04	01.12.04	5.02.00 5.03.00	6.02.00 6.03.00	7.02.00 7.03.00	7.03.00
XP24000	60.02.04	01.12.04	5.02.00 5.03.00	6.02.00 6.03.00	7.02.00 7.03.00	7.03.00

P9000	70.01.04.00	01.15.03	5.02.00 5.03.00	6.02.00 6.03.00	7.02.00 7.03.00	7.03.00
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Table 6: HPE P4000 (LeftHand)

HPE P4000 (LeftHand) ¹							
Version	SAN/IQ	Virtual SAN Appliance (VSA)	Provider version				
			Windows Server 2003 ²	Windows Server 2008	Windows Server 2008 R2	Windows Server 2012	Windows Server 2012 R2
9.5	supported	supported	9.5.x	9.5.x	9.5.x		
10.0	supported	supported	10.0.x	10.0x	10.0.x	10.0.x	
10.5	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	10.5.x
12.5	Not supported	Not supported	Not supported	Not supported	Not supported	Not supported	12.5.x

1 Only P4000 snapshots are supported.

2 Only ZDB to tape is supported

Table 7: HPE P2000 Modular Storage Array Systems

HPE P2000 Modular Storage Array Systems				
MSA Type	VSS Provider version			
	Windows Server 2003	Windows Server 2008	Windows Server 2008 R2 ²	
MSA2000 ¹	2.7.0.0	2.7.0.0	2.7.0.0	

1 Includes support for all sub-models, for example, iSCSI, FC and SAS.

2 LUN re-sync is not supported

NetApp Enterprise Storage Systems				
Storage System	Provider version			
	Windows Server 2003	Windows Server 2008	Windows Server 2008 R2	
FAS3000 Series ¹	6. 2. 0. 4519	6. 2. 0. 4519	6. 2. 0. 4519	

1 Includes support for all sub-series, for example, FAS3100, FAS3200 etc.

Table 8: Required service packs Data Protector 9.00 Volume Shadow Copy Service integration

Required service packs Data Protector 9.0x Volume Shadow Copy Service integration	
Component	Service pack or hot fix
Windows Server 2003 (Standard/Enterprise/Datacenter)	Service Pack 2
Windows Server 2008 (Standard/Enterprise/Datacenter)	Service Pack 2
Windows Server 2008 R2 (Standard/Enterprise/Datacenter)	Service Pack 1
Windows Server 2012	n/a

Table 9: Required Windows 2003 hot fixes for Data Protector 9.0x Volume Shadow Copy Service integration

Required Windows 2003 hot fixes for Data Protector 9.0x Volume Shadow Copy Service integration	
Component	Service pack or hot fix
Volume Shadow Copy Service	KB949391, KB2748349
Storport Storage Driver	KB950903
Cluster Service	KB919117
Virtual Disk Service	KB949002

Table 10: Required Windows 2008 hot fixes for Data Protector 9.0x Volume Shadow Copy Service integration

Required Windows 2008 hot fixes for Data Protector 9.0x Volume Shadow Copy Service integration	
Component	Service pack or hot fix
Shell Hardware Detection Service	KB971254
Volume Shadow Copy Service	KB2748349

Table 11: Required Windows 2008 R2 hot fixes for Data Protector 9.0x Volume Shadow Copy Service integration

Required Windows 2008 R2 hot fixes for Data Protector 9.0x Volume Shadow Copy Service integration	
Component	Service pack or hot fix
n/a	n/a

Table 12: Required Windows 2012 hot fixes for Data Protector 9.0x Volume Shadow Copy Service integration

Required Windows 2012 hot fixes for Data Protector 9.0x Volume Shadow Copy Service integration	
Component	Service pack or hot fix
Volume Shadow Copy Service	KB 2928678

Table 13: Minimum version of MPIO

MPIO software must be installed when dealing with Disk arrays and FC environment, even if multi-path is not active. Compatible HBA drivers are also required.

Minimum version of MPIO	
HPE MPIO Full DSM XP	v.4.02.00
HPE MPIO Full DSM EVA ¹	v.4.01.01
HPE P4000 DSM for MPIO	Same as P4000 version
HPE P2000 DSM for MPIO	v.2.6.2.8

1 HPE MPIO Full Featured DSM v4.03.00 in needed for Windows 2012

Table 14: VSS writer support in Data Protector 9.0x Volume Shadow Copy Service integration

The following is a list of tested writers by Data Protector 9.0x:

VSS writer support in Data Protector 9.0x Volume Shadow Copy Service integration		
Writer name	Writer GUID	Backup with hardware provider
Certificate Authority Writer	6f5b15b5-da24-4d88-b737-63063e3a1f86	No
DHCP Jet Writer	be9ac81e-3619-421f-920f-4c6fea9e93ad	No
Event Log Writer	eee8c692-67ed-4250-8d86-390603070d00	No
IIS Metabase Writer	59b1f0cf-90ef-465f-9609-6ca8b2938366	No
Microsoft Exchange Writer ¹	76fe1ac4-15f7-4bcd-987e-8e1acb462fb7	Yes
Microsoft Data Protection Manager Writer	0074a271-4f24-43e0-9ec7-28a44189cb80	No
MSDE Writer ²	f8544ac1-0611-4fa5-b04b-f7ee00b03277	Yes
NTDS Writer	b2014c9e-8711-4c5c-a5a9-3cf384484757	No
Remote Storage Writer	b959d2c3-18bb-4607-b0ca-688cd0d41a50	No
Removable Storage Manager Writer	5d3c3e01-0297-445b-aa81-a48d7151e235	No
System Writer	e8132975-6f93-4464-a53e-1050253ae220	No
TermServLicensing Writer	5382579c-98df-47a7-ac6c-98a6d7106e09	No
WINS Jet Writer	f08c1483-8407-4a26-8c26-6c267a629741	No
WMI Writer	a6ad56c2-b509-4e6c-bb19-49d8f43532f0	No
Microsoft Virtual Server 2005 Writer	76afb926-87ad-4a20-a50f-cdc69412ddfc	Yes
SQL Writer ³	a65faa63-5ea8-4ebc-9dbd-a0c4db26912a	Yes
Microsoft Hyper-V VSS Writer ⁶	66841cd4-6ded-4f4b-8f17-fd23f8ddc3de	Yes

SharePoint Services Writer ⁴	c2f52614-5e53-4858-a589-38eeb25c6184	No
SPSearch VSS Writer ⁴	57af97e4-4a76-4ace-a756-d11e8f0294c7	No
OSearch VSS Writer ⁴	8d5f38cd-fb7a-49ca-ae1b-21d1f017d8f9	No
SharePoint Services Writer ⁵	da452614-4858-5e53-a512-38aab25c61ad	No
SPSearch4 VSS Writer ⁵	35500004-0201-0000-0000-000000000000	No
OSearch14 VSS Writer ⁵	0ff1ce14-0201-0000-0000-000000000000	No
OSearch15 VSS Writer ⁹	0ff1ce15-0201-0000-0000-000000000000	No
Oracle VSS Writer ^{7,8}	26d02976-b909-43ad-af7e-62a4f625e372	Yes
Cluster Database	41e12264-35d8-479b-8e5c-9b23d1dad37e	No

¹ Microsoft Exchange Server 2007, Microsoft Exchange Server 2010, Microsoft Exchange Server 2013 and Microsoft Exchange Server 2016 are supported with this writer

² MSDE Writer is used for backup of the UDDI database and can also be used for backup of Microsoft SQL Server

³ Microsoft SQL Server 2005, Microsoft SQL Server 2008, Microsoft SQL Server 2008 R2, Microsoft SQL Server 2012, and Microsoft SQL Server 2014 are supported with this writer

⁴ Microsoft Office SharePoint Server 2007 is supported with these writers

⁵ Microsoft SharePoint Server 2010 is supported with these writers

⁶ Microsoft Windows 2008 R2 Hyper-V Core Server, Microsoft Windows 2008 R2 Hyper-V Server and Microsoft Windows 2012 R2 Hyper-V Server are supported with this writer.

⁷ For configuration related issues please contact the Data Protector support team.

⁸ Oracle 11g (R1 and R2) are supported with this writer. Supported on Windows 2008(x86, x64), Windows 2008 R2(x64) and Windows 2003 R2(x64).

⁹ Microsoft SharePoint Server 2013 is supported with these writers.