



HP Data Protector A.06.1x VSS integration support matrix

Version: 4.3

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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.

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

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 Supported with Data Protector 6.11 only

³ Only ZDB to tape is supported

The XCS version support is driven by supported EVA model and CommandView (CV) version. Data Protector supports all XCS versions for the EVAs which are supported by certified CV versions. Backup using Mirrorclone and snapshots from Mirrorclone is supported through using Replica type Default and appropriate HWP configuration. Only ZDB to tape is supported using Mirrorclone and snapshots from Mirrorclone.

Following table lists CV versions tested and certified by Data Protector:

EVA – Supported Firmware & Provider versions			
Command View	VSS/VDS Provider		
	Windows 2003 ²	Windows 2008 ^{1,2}	Windows 2008 R2 ^{1,3}
CV 8.0.2	Supported	Supported	Supported
CV 9.0.x	Supported	Supported	Supported
CV 9.1.x	Supported	Supported	Supported
CV 9.2.1	4.05.x	5.04.x	6.04.x
CV 9.3.x	4.06.x	6.06.x	6.06.x
CV 9.4	4.06.x	6.06.x	6.06.x
CV 10.0	4.07.x	6.07.x	6.07.x

- 1 Supported with Data Protector 6.11 only
- 2 EVA HWP version 4.0.4 (Windows 2003) and 5.0.4 (Windows 2008). With this version of HWP, following use cases do not work:
 - swap IR using SMIS
 - copy back IR with option keep source disk for forensics.
- 3 Only ZDB to tape is supported

HP-3PAR Storage Systems ²			
System Models	VSS Provider		
	Windows 2008 ¹	Windows 2008 R2 ¹	
	1.6.2.3	1.6.2.3	
F200	Supported	Supported	
F400	Supported	Supported	
T400	Supported	Supported	
T800	Supported	Supported	

1. Supported with the patches DPWIN_00503 and DPWIN_00508
2. Only ZDB to tape is supported

XP – Supported microcode & RaidManager HORCM versions					
Array model	Minimum Microcode version required	Minimum RAID Manager library version required for Windows	Provider version		
			Windows 2003	Windows 2008	Windows 2008 R2 ^{1,2}
XP128	21.14.37/00	01.12.04	5.00.00/5.01.01	6.00.00/6.01.00	7.01.00
XP1024	21.14.37/00	01.12.04	5.00.00/5.01.01	6.00.00/6.01.00	7.01.00
XP10000	min. 50.09.41	01.12.04	5.00.00/5.01.01	6.00.00/6.01.00	7.01.00
XP12000	min. 50.09.41	01.12.04	5.00.00/5.01.01	6.00.00/6.01.00	7.01.00
XP20000	60.02.04	01.12.04	5.00.00/5.01.01	6.00.00/6.01.00	7.01.00
XP24000	60.02.04	01.12.04	5.00.00/5.01.01	6.00.00/6.01.00	7.01.00
P9000 ³	70-01-01-00/00	01.15.03	not supported	6.02.00	7.02.00

- 1 Supported with Data Protector 6.11 only
- 2 Only ZDB to tape is supported
- 3 Supported with the patches DPWIN_00503 and DPWIN_00508

HP StorageWorks P4000 (LeftHand) ^{1,4}					
Version	SAN/IQ	Virtual SAN Appliance (VSA)	Provider version		
			Windows 2003 ^{2,3}	Windows 2008 ^{2,3}	Windows 2008 R2 ^{2,3}
8.1	supported	supported	8.1.x.x	8.1.x.x	8.1.x.x
8.5	supported	supported	8.5.x.x	8.5.x.x	8.5.x.x
9.0 ⁵	supported	supported	9.0.x.x	9.0.x.x	9.0.x.x
9.5 ⁵	supported	supported	9.5.x.x	9.5.x.x	9.5.x.x

- 1 Only P4000 snapshots are supported.

- 2 Supported with Data Protector 6.11 only
- 3 Only ZDB to tape is supported
- 4 Please refer to following whitepaper "HP Data Protector software integration with HP StorageWorks P4000 SAN (LeftHand) solutions ".
To access any published DP white paper go to www.hp.com/support/manuals, click "Storage Software", click appropriate DP version, click "White Papers" to see the white paper listed.
- 5 Supported with the patches DPWIN_00522 and DPWIN_00508

Required service packs Data Protector A.06.1x 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

Required Windows 2003 hot fixes for Data Protector A.06.1x Volume Shadow Copy Service integration

Component	Service pack or hot fix
Volume Shadow Copy Service	KB940349
Storport Storage Driver	KB940467
Cluster Service	KB919117
Virtual Disk Service	KB936008

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

Minimum version of MPIO

HP MPIO Full DSM XP	v.3.02.00
HP MPIO Full DSM EVA	v.3.02.00
HP LeftHand DSM for MPIO	v. 8.1.x.x

The following is a list of tested writers by Data Protector A.06.1x:

VSS writer support in Data Protector A.06.1x 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 ^{4,5,7}	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
OSearch14 VSS Writer ⁴	0ff1ce14-0201-0000-0000-000000000000	No
SPSearch4 VSS Writer ⁴	35500004-0201-0000-0000-000000000000	No
Oracle VSS Writer ^{6,8}	26d02976-b909-43ad-af7e-62a4f625e372	No

- ¹ Microsoft Exchange Server 2003, Microsoft Exchange Server 2007 and Microsoft Exchange Server 2010 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 and Microsoft SQL Server 2008 R2 are supported with this writer
- ⁴ Supported with Data Protector 6.11 only
- ⁵ The XP Array hardware provider (HWP) is not supported.
- ⁶ Supported with the following Cell Server patches:
PHSS_42287/PHSS_42288/DPLNX_00163/DPSOL_00457/DPWIN_00520.
- ⁷ Microsoft Windows 2008 R2 Hyper-V Core Server and Microsoft Windows 2008 R2 Hyper-V Server are supported with this writer.
- ⁸ Oracle 11g (R1 and R2) are supported with this writer. Windows 2008 R2 (IA-64) is not supported.