hp OpenView storage data protector 6.0
Platform & Integration support matrices

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NOTE: For the following Data Protector components, only those "Data Protector component-Operating System" combinations are supported for which the corresponding Operating System version is supported by the respective vendors.

supported operating systems

Data Protector component	Supported operating systems
Cell Manager	• Windows XP PRO (32-bit) • Windows 2000 • Windows 2003 (32-bit) • Windows 2003 (64-bit) (x64) • HP-UX (PA-RISC) - 11.0[2], 11.11[2, 3], 11.23[2, 3] • HP-UX (Itanium) -- 11.23[2, 3] • Solaris 8, 9, 10 • Redhat Enterprise Linux 4.0 (64-bit) (x64) • SuSE Linux Enterprise Server 9 (64-bit) (x64)
Installation Server	• Windows XP PRO (32-bit) • Windows 2000 • Windows 2003 (32-bit) • Windows 2003 (64-bit) (x64) • HP-UX (PA-RISC) - 11.0[2], 11.11[2, 3], 11.23[2, 3] • HP-UX (Itanium) -- 11.23[2, 3] • Solaris 8 , 9, 10 • Redhat Enterprise Linux 4.0 (64-bit) (x64) • SuSE Linux Enterprise Server 9 (64-bit) (x64)
Graphical User Interface[7]	• Windows XP HE[1] • Windows XP PRO (32-bit) • Windows XP 64-bit (Itanium and x64) • Windows 2000 • Windows 2003 (32-bit) • Windows 2003 (64-bit) (Itanium and x64) • HP-UX (PA-RISC) - 11.0[2], 11.11[2, 3], 11.23[2, 3] • Solaris 8
Managers-of-Managers (MoM)	• Windows 2000 • Windows XP PRO (32-bit) • Windows 2003 (32-bit) • Windows 2003 (64-bit) (x64) • HP-UX (PA-RISC) - 11.0[2], 11.11[2, 3], 11.23[2, 3] • Solaris 8, 9, 10 • HP-UX (Itanium) -- 11.23[2, 3, 6] • Redhat Enterprise Linux 4.0 (64-bit) (x64)[6] • SuSE Linux Enterprise Server 9 (64-bit) (x64) [6]
Backup Device Server (media	• Windows 2000 • Windows XP PRO (32-bit)

agent), including robotic control	• Widows XP (64-bit) (Itanium and x64) • Windows 2003 (32-bit) • Windows 2003 (64-bit) (Itanium and x64) • Novell NetWare 6.5[1] • HP-UX (PA-RISC) – 11.0[2], 11.11[2, 3],11.23[2, 3] • HP-UX (Itanium) – 11.23[2, 3] • Tru64 5.xx • OpenVMS 7.3-1[1], 7.3-2[1], 8.2 • Sun Solaris[4] 7, 8, 9, 10 • MPE/iX 6.5[1], 7.0[1], 7.5[1] • Linux (32-bit): Redhat Enterprise Linux (RHEL) [5] 2.1, 3.0, 4.0 SuSE Linux Enterprise Server (SLES) 8, 9 United Linux 1.0 Debian Linux 3.0 • Linux (64-bit): Red Hat Enterprise Linux (RHEL) [5] 2.1 (Itanium) Red Hat Enterprise Linux (RHEL) [5] 3.0 (Itanium) Red Hat Enterprise Linux (RHEL) [5] 4.0 (Itanium and x64) SuSE Linux Enterprise Server (SLES) 8 (Itanium) SuSE Linux Enterprise Server (SLES) 9 (Itanium and x64) United Linux 1.0 (Itanium)
Backup Device Server (media agent), without robotic control	The above list plus the following: • IBM AIX 5L ver. 5.1, 5.2, 5.3 • SNI Sinix 5.4.3, 5.4.4 • SCO OpenServer 5.0.6, 5.0.7
Backup Agents (disk agents)	• Windows 2000 • Windows XP HE[1] • Windows XP PRO (32 bit) • Windows XP (64-bit) (Itanium and x64) • Windows 2003 (32-bit) • Windows 2003 (64-bit) (Itanium and x64) • Novell NetWare 6.5[1] • HP-UX (PA-RISC) – 11.0[2], 11.11[2, 3],11.23[2, 3] • HP-UX (Itanium) – 11.23[2, 3] • HP MPE/iX 6.5[1], 7.0[1], 7.5[1] • Sun Solaris[4] 7, 8, 9, 10 • IBM AIX 5L ver. 5.1, 5.2, 5.3 • SGI IRIX 6.5 • SNI Sinix 5.4.3, 5.4.4 • SCO OpenServer 5.0.6, 5.0.7 • SCO UnixWare 7.x • Tru64 Unix 5.xx • Open VMS 7.3-1[1], 7.3-2[1], 8.2 • Linux (32-bit): Red Hat Enterprise Linux (RHEL) [5] 2.1, 3.0, 4.0 SuSE Linux Enterprise Server (SLES) 8, 9 United Linux 1.0 Debian Linux 3.0 • Linux (64-bit): Red Hat Enterprise Linux (RHEL) [5] 2.1 (Itanium) Red Hat Enterprise Linux (RHEL) [5] 3.0 (Itanium) Red Hat Enterprise Linux (RHEL) [5] 4.0 (Itanium and x64) SuSE Linux Enterprise Server (SLES) 8 (Itanium) SuSE Linux Enterprise Server (SLES) 9 (Itanium and x64) United Linux 1.0 (Itanium) Debian Linux 3.0

	• Additional UNIX platforms via NFS (on unix systems) • Additional platforms via shared disks

1 Push installation not possible, need to be installed locally
2 NIS+ is supported in a DNS environment
3 HP-UX 11.11 is HP-UX 11i version 1.0.
HP-UX 11.23 is HP-UX 11i version 2.0
4 For Solaris – SunOS version compatibility, please refer to the Sun website.
5 Includes support for Redhat Enterprise Linux Advanced Workstation and Enterprise Server if applicable
6 MoM GUI is not supported on HP-UX 11.23 (Itanium) and Linux (x64).
7 In case of Reflection X, version 9 & above are supported.

platform restrictions for supported operating systems		
operating system	**supported processor platform**	
HP-UX	PA-RISC Itanium	(HP-UX 11.0, 11.11, 11.23) (HP-UX 11.23)
Windows	x86 and x86_64 Itanium and x86_64	(for 32-bit Windows) (for 64-bit Windows)
Linux	x86 and x86_64 Itanium and x86_64	(for 32-bit Linux) (for 64-bit Linux)
Sun Solaris	SPARC	

NOTE: For the following integration matrix, only those combinations of Applications & Operating Systems are supported that are supported by the respective vendors.

supported online database & application integrations		
databases	**supported versions**	
Oracle (32-bit) (Including Oracle Data Guard/Standby Database support for Oracle 9i and 10g)	• Oracle 8.1.7/ Recovery Manager:	HP-UX 11.0, 11.11(32 & 64-bit) Solaris 7, 8 & 9 (32 & 64-bit) AIX 5.1, 5.2 Windows 2000
	• Oracle 9i/ Recovery Manager[1]:	Solaris 7, 8 & 9 (32 & 64-bit) RHEL Adv. Server[2] 2.1, 3.0, 4.0 SuSE Linux Enterprise Server 8, 9 United Linux 1.0 Windows 2000, Windows 2003 (32-bit)
	• Oracle 10g/ Recovery Manager[1]:	Windows 2000, Windows 2003 (32-bit) RHEL Adv. Server[2] 2.1, 3.0, 4.0 SuSE Linux Enterprise Server 8, 9
Oracle (64-bit) (Including Oracle Data Guard/Standby Database support for Oracle 9i and 10g)	• Oracle 8.1.7/ Recovery Manager:	HP-UX 11.0 (64-bit), 11.11(64-bit) Solaris 7, 8 & 9 (64-bit) AIX 5.1 (64-bit), 5.2 (64-bit) Tru64 5.xx OpenVMS 7.3-1, 7.3-2
	• Oracle 9i/ Recovery Manager[1]:	HP-UX 11.0 (64-bit), 11.11 (64-bit) HP-UX 11.23 (64-bit) (Itanium & PA-RISC) Solaris 7, 8, 9 & 10 (64-bit) Windows 2003 (64-bit) (Itanium) AIX 5.1, 5.2 & 5.3 (64-bit) Tru64 5.xx RHEL Adv. Server[2] 2.1 (64-bit) (Itanium) RHEL Adv. Server[2] 3.0 (64-bit) (Itanium)

	• Oracle 10g/ Recovery Manager[1]:	RHEL Adv. Server[2] 4.0 (64-bit) (Itanium and x64) SuSE Linux Ent. Server 8 (64-bit) (Itanium) SuSE Linux Ent. Server 9 (64-bit) (Itanium and x64) United Linux 1.0 (64-bit) (Itanium) OpenVMS 7.3-1, 7.3-2 HP-UX 11.0 (64-bit), 11.11 (64-bit) HP-UX 11.23 (64-bit) (Itanium & PA-RISC) Solaris 7, 8, 9 & 10 (64-bit) Windows 2003 (64-bit) (Itanium) AIX 5.1, 5.2 & 5.3 (64-bit) Tru64 5.xx RHEL Adv. Server[2] 2.1 (64-bit) (Itanium) RHEL Adv. Server[2] 3.0 (64-bit) (Itanium) RHEL Adv. Server[2] 4.0 (64-bit) (Itanium and x64) SuSE Linux Ent. Server 8 (64-bit) (Itanium) SuSE Linux Ent. Server 9 (64-bit) (Itanium and x64) United Linux 1.0 (64-bit) (Itanium)
Informix (32-bit)	• Informix 7.31: • Informix IDS 9.40: • Informix IDS 10:	HP-UX 11.0, 11.11 (32 & 64-bit) Solaris 7, 8 (32 & 64-bit) Windows 2000 HP-UX 11.0, 11.11 (32 & 64-bit) Solaris 7, 8 & 9 (32 & 64-bit) Windows 2000, 2003 (32-bit) HP-UX 11.0, 11.11 (32 & 64-bit) Solaris 8 & 9 (32 & 64-bit) Windows 2000, 2003 (32-bit)
Informix (64-bit)	• Informix 7.31: • Informix IDS 9.40: • Informix IDS 10:	HP-UX 11.0 (64-bit), 11.11 (64-bit) Solaris 7, 8 (64-bit) HP-UX 11.0 (64-bit), 11.11 (64-bit) HP-UX 11.23 (64-bit) (Itanium & PA-RISC) Solaris 7, 8 & 9 (64-bit) Tru64 5.xx AIX 5.1, 5.2 & 5.3 (64-bit) HP-UX 11.11 (64-bit) HP-UX 11.23 (64-bit) (Itanium & PA-RISC) Solaris 7, 8 & 9 (64-bit) Tru64 5.xx AIX 5.1, 5.2 & 5.3 (64-bit)
Sybase (32-bit)	• Sybase Adaptive Server Enterprise 12.5.x:	HP-UX 11.0, 11.11 (32 & 64-bit) Solaris 7, 8 (32 & 64-bit) Windows 2000
Sybase (64-bit)	• Sybase Adaptive Server Enterprise 12.5.x:	HP-UX 11.0 (64-bit), 11.11 (64-bit) Solaris 7, 8 (64-bit)
Microsoft SQL Server (32-bit)	• MS SQL Server 7.0: • MS SQL Server 2000: • MS SQL Server 2005:	Windows 2000 Windows 2000 Windows 2003 (32-bit) Windows 2000 Windows 2003 (32-bit)
Microsoft SQL Server (64-bit)	• MS SQL Server 2000: • MS SQL Server 2005:	Windows 2003 (64-bit) (Itanium) Windows 2003 (64-bit) (Itanium)
Microsoft Exchange Server (including Single Mailbox and Single Folder Restore)	• MS Exchange Server 2000: • MS Exchange Server 2003:	Windows 2000 Windows 2000 SP3 Windows 2003 (32-bit)
IBM DB2 (32-bit)	• IBM DB2 UDB 8.1:	HP-UX 11.0, 11.11 (32 & 64-bit)[3] AIX 5.1, 5.2 & 5.3 (32 & 64-bit) RHEL Adv. Server[2] 2.1, 3.0, 4.0 (32-bit)[3]

		SuSE Linux Enterprise Server 8, 9 (32-bit)[3] Windows 2000, 2003 (32-bit)[3]
	• IBM DB2 UDB 8.2:	RHEL Adv. Server[2] 2.1, 3.0, 4.0 (32-bit)[3] SuSE Linux Enterprise Server 8, 9 (32-bit)[3] Windows 2000, 2003 (32-bit)[3]
IBM DB2 (64-bit)	• IBM DB2 UDB 8.1:	HP-UX 11.0, 11.11 (64-bit)[3] AIX 5.1, 5.2 & 5.3 (64-bit)
	• IBM DB2 UDB 8.2:	HP-UX 11.11 (64-bit), 11.23 (Itanium)[3] AIX 5.1, 5.2 & 5.3 (64-bit)
Lotus Notes, Lotus Domino (including Single Mailbox backup & Restore)	• Lotus Domino/Notes R5:	HP-UX 11.0, 11.11 (32 & 64-bit) Windows 2000
	• Lotus Domino/Notes R6[4]:	Windows 2000, Windows 2003 (32-bit)
	• Lotus Domino/Notes 6.5.x:	HP-UX 11.11 Windows 2000, Windows 2003 (32-bit)
SAPDB / MaxDB (Online integration based on 'Backint for SAPDB / MaxDB')	• SAPDB version 7.4x:	HP-UX 11.11 (32 & 64-bit) Windows 2000 & 2003 (32-bit) RHEL Adv. Server[2] 2.1, 3.0 (32-bit) SuSE Linux Enterprise Server 8 (32-bit)
	• MaxDB version 7.5:	HP-UX 11.11 (32 & 64-bit) HP-UX 11.23 (PA-RISC & Itanium) Windows 2000 & 2003 (32-bit) SuSE Linux Enterprise Server 8, 9 (32-bit) RHEL Adv. Server[2] 2.1, 3.0 (32-bit)
	• MaxDB version 7.6:	HP-UX 11.11 (32 & 64-bit) HP-UX 11.23 (PA-RISC & Itanium) Windows 2000 & 2003 (32-bit) SuSE Linux Enterprise Server 8, 9 (32-bit) RHEL Adv. Server[2] 2.1, 3.0 (32-bit)
SAP[5] (32-bit)	• SAP R/3 3.1x:	HP-UX 11.0 (32-bit)
	• SAP R/3 4.0:	HP-UX 11.0 (32 & 64-bit)
	• SAP R/3 4.5, using RMAN mode:	HP-UX 11.0 (32 & 64-bit) Windows 2000
	• SAP R/3 4.5, using backint mode:	HP-UX 11.0 (32 & 64-bit) Solaris 8 (32 & 64-bit)
	• SAP R/3 4.6x, using RMAN mode:	HP-UX 11.0 (32 & 64-bit) HP-UX 11.11 (32 & 64-bit) Windows 2000 Solaris 8 (32 & 64-bit)
	• SAP R/3 4.6x,: using backint mode	HP-UX 11.0 (32 & 64-bit) HP-UX 11.11 (32 & 64-bit) AIX 5.1, 5.2 Solaris 8 (32 & 64-bit) Windows 2000
	• SAP 4.7, using backint & RMAN mode:	Windows 2000, Windows 2003 (32-bit) SuSE Linux Enterprise server 8, 9 RHEL Adv. Server[2] 2.1, 3.0, 4.0
	• SAP Brtools 6.10, using backint & RMAN mode	Windows 2000, Windows 2003(32-bit) RHEL Adv. Server[2] 2.1, 3.0
	• SAP Brtools 6.20, using backint & RMAN mode	Windows 2000, Windows 2003 (32-bit) SuSE Linux Enterprise server 8, 9 RHEL Adv. Server[2] 2.1, 3.0, 4.0
	• SAP Brtools 6.40, using backint & RMAN mode	Windows 2000, Windows 2003 (32-bit) SuSE Linux Enterprise server 8, 9 RHEL Adv. Server[2] 2.1, 3.0, 4.0

SAP [5] (64-bit)	• SAP R/3 4.0:	HP-UX 11.0 (64-bit)
	• SAP R/3 4.5, using backint & RMAN mode:	HP-UX 11.0 (64-bit)
	• SAP R/3 4.6x, using backint mode:	HP-UX 11.0 (64-bit), 11.11(64-bit)
	• SAP R/3 4.6x, using RMAN mode:	HP-UX 11.0 (64-bit), HP-UX 11.11(64-bit) Solaris 8 (64-bit) Tru64 5.xx (64-bit)
	• SAP 4.7, using backint & RMAN mode:	HP-UX 11.0 (64-bit), 11.11(64-bit) HP-UX 11.23 (64-bit) (Itanium & PA-RISC) Windows 2003 (64-bit) (Itanium) Solaris 8 & 9 (64-bit) Tru64 5.x AIX 5.1, 5.2 & 5.3 (64-bit) RHEL Adv. Server [2] 2.1 (64-bit) (Itanium) RHEL Adv. Server [2] 3.0 (64-bit) (Itanium) RHEL Adv. Server [2] 4.0 (64-bit) (Itanium and x64) SuSE Linux Ent. Server 8 (64-bit) (Itanium) SuSE Linux Ent. Server 9 (64-bit) (Itanium and x64) United Linux 1.0 (64-bit) (Itanium)
	• SAP Brtools 6.10, using backint & RMAN mode:	HP-UX 11.0 (64-bit), 11.11(64-bit) Solaris 8 (64-bit) Tru64 5.xx (64-bit) AIX 5.1, 5.2 & 5.3 (64-bit)
	• SAP Brtools 6.20, using backint & RMAN mode:	HP-UX 11.0 (64-bit), 11.11(64-bit) HP-UX 11.23 (64-bit) (Itanium & PA-RISC) Windows 2003 (64-bit) (Itanium) Solaris 8 & 9 (64-bit) AIX 5.1, 5.2 & 5.3 (64-bit) Tru64 5.xx (64-bit) RHEL Adv. Server [2] 2.1 (64-bit) (Itanium) RHEL Adv. Server [2] 3.0 (64-bit) (Itanium) RHEL Adv. Server [2] 4.0 (64-bit) (Itanium and x64) SuSE Linux Ent. Server 8 (64-bit) (Itanium) SuSE Linux Ent. Server 9 (64-bit) (Itanium and x64) United Linux 1.0 (64-bit) (Itanium)
	• SAP Brtools 6.40, using backint & RMAN mode:	HP-UX 11.0 (64-bit), 11.11(64-bit) HP-UX 11.23 (64-bit) (Itanium & PA-RISC) Windows 2003 (64-bit) (Itanium) Solaris 8 & 9 (64-bit) Tru64 5.x AIX 5.1, 5.2 & 5.3 (64-bit) RHEL Adv. Server [2] 2.1 (64-bit) (Itanium) RHEL Adv. Server [2] 3.0 (64-bit) (Itanium) RHEL Adv. Server [2] 4.0 (64-bit) (Itanium and x64) SuSE Linux Ent. Server 8 (64-bit) (Itanium) SuSE Linux Ent. Server 9 (64-bit) (Itanium and x64) United Linux 1.0 (64-bit) (Itanium)
Baan IV [6]	• Baan IV on Oracle, Informix, Microsoft SQL Server and Sybase (see versions above)	

1 Oracle 9i / 10g covers all released versions of Oracle 9i / 10g e. g. 9.x.x.x and 10.x.x.x

2 Includes support for Redhat Enterprise Linux Advanced Workstation and Enterprise Server also

3 DB2 EEE (Partitioned databases) is not supported.

4 In Lotus Domino/Notes R6 (6.0.x), there is a bug in the Domino/Notes backup API. This affects incremental backups, but has been resolved by IBM. IBM provides this fix to their customers on request. The customer can get

the fix for their version of R6 from IBM and use it with DP. The customer should open PMR referencing PMR# 66931,004,000 and SPR# WMUH5PJNN4 directly with Lotus Customer Service and mention that a hotfix is required.

[5] Data Protector uses the official SAP backup/restore API (BRTOOLS), which is available only in conjunction with the Oracle database. Therefore, Data Protector support is only dependent on the SAP Brtools version (as supported by SAP in combination with various SAP Kernels) and not on the SAP Kernel version.

[6] Baan users with Oracle, Informix, Microsoft SQL Server or Sybase databases can back up their application data by following the instructions for the integration of Data Protector and their database in the HP OpenView Storage Data Protector 6.0 Integration Guide.

Following are the details of the OpenView Applications that can be integrated with Data Protector. This integration however is an application level integration & not a database level integration unless specifically mentioned by means of a footnote.

supported OpenView applications

application	supported versions
HP OpenView Operations UNIX and WINDOWS	• OVO/Unix Management Server English and Japanese: OVO/Unix 6.0 including Service Navigator 6.x is supported on HP-UX 11.0, Solaris 8 OVO/Unix 7.10 including Service Navigator 7.x is supported on HP-UX 11.0, 11.11, Solaris 8 • OVO/Unix Management Server English OVO/Unix 8.10 including Service Navigator 8.x is supported on HP-UX 11.0, HP-UX 11.11 Solaris 8, Solaris 9 • OVO/Unix Managed Node (= Data Protector Cell Server): OVO/Unix Agent 6.xx : HP-UX 11.0, HP-UX 11.11 Solaris 8, Solaris 9 Windows 2000, Win XP PRO (32bit) OVO/Unix Agent 7.10: HP-UX 11.0, HP-UX 11.11 Solaris 8, Solaris 9 Windows 2000, Win XP PRO (32bit) OVO/Unix Agent 8.10: HTTPS Agents HP-UX 11.0, HP-UX 11.11 Solaris 8, Solaris 9 Windows 2000, Win XP PRO (32bit) Windows Server 2003 DCE Agents HP-UX 11.0, HP-UX 11.11 Solaris 8, Solaris 9 Windows 2000, Win XP PRO (32bit) Windows Server 2003 • OVO/Windows Management Server English and Japanese: OVO/Windows 7.1 is supported on Windows 2000 OVO/Windows 7.2x is supported on Windows 2000, Windows 2003 • OVO/Windows Managed Node (= Data Protector Cell Server): OVO/Windows 7.1 Agent: HP-UX 11.0, HP-UX 11.11, Solaris 8 Windows 2000, Win XP PRO (32bit) Windows 2003 OVO/Windows 7.2x Agent: HP-UX 11.0, HP-UX 11.11, HP-UX 11.23 Solaris 8, Solaris 9 Windows 2000, Win XP PRO (32bit) Windows 2003 • OV Performance Agent on OVO/Unix or OVO/Windows Managed Node (= Data Protector Cell Server): OVO Performance Agent C.03.70: HP-UX 11.0, HP-UX 11.11 OVO Performance Agent C.03.75: Solaris 8, Solaris 9

	OVO Performance Agent C.03.65:	Windows 2000, Win XP PRO (32bit) Windows 2003
HP OpenView Network Node Manager[1]	• HP OpenView Network Node Manager 6.2: • HP Open View Network Node Manager 7.01:	HP-UX 11.0 Windows 2000 HP-UX 11.0, HP-UX 11.11 Solaris 8 and 9
HP OpenView Service Desk	• HP OpenView Service Desk 4.5:	Windows 2000
HP OpenView Reporter [2]	• HP OpenView Reporter 3.0 / 3.5:	Windows 2000
SIP [3]	• HP OpenView SIP 3.0:	HP-UX 11.0, 11.11

1 Data Protector integrates with the Solid database in Network Node Manager for an online backup of the database.
2 ReporterLite version available only on Windows Management server (OVO 7.2 onwards)
3 Data protector supports direct integration with SIP 3.0

supported zero downtime solutions[5]	
array	**type supported**
HP StorageWorks XP [1]	• HP StorageWorks Business Copy XP/Continuous Access XP
EMC [2]	• EMC TimeFinder/SRDF
HP StorageWorks Virtual array[3]	• HP StorageWorks Business Copy VA
HP StorageWorks EVA[4]	• HP StorageWorks Vsnap/ Snapclone/ Snapshots

1 Please refer to the "hp OpenView Storage Data protector 6.0 Zero Downtime (Split-mirror) backup & Instant Recovery support matrix for HP StorageWorks Disk Array XP" for further details on the integration.
2 Please refer to the "hp OpenView Storage Data Protector 6.0 EMC split-mirror backup integration support matrix" for further details on the integration.
3 Please refer to the "hp OpenView Storage Data Protector 6.0 Zero Downtime Backup & Instant Recovery support matrix for HP StorageWorks Virtual Array" for further details on the integration.
4 Please refer to the "hp OpenView Storage Data Protector 6.0 Zero Downtime Backup support matrix for HP StorageWorks Enterprise Virtual Array" for further details on the integration.
5 This support is true if Zero Downtime Backup feature is used. If the Zero Downtime backup is not used, then there is no limitation for the supported arrays. In such a case the hardware would be transparent to Data Protector.

other supported applications		
application agents	**supported databases / integrations**	
HP OpenView Storage Data Protector Open File Manager	• HP OpenView Storage Data Protector Open File Manager 9.x :	Windows 2000 Windows 2003 Windows XP NetWare 5.1, 6.0, 6.5
Citrix Metaframe [1]	• Citrix Meta Frame version 1.00 Service Pack 3:	Windows 2003
Vmware	• Vmware ESX Server 2.1.x • Vmware ESX Server 2.5 • Vmware ESX Server 2.5.1	
HP OpenView OmniStorage	• HP OpenView OmniStorage 3.12:	HP-UX 11.0

1 If the Citrix Database is based on one of the Databases for which online integrations is supported, then that

integration is used for online backup of the Citrix database. Otherwise Open File Backup should be used for this purpose. In case of backing up the data other than Database, normal Disk Agent should be used. Also Data Protector Cell Manager and Citrix can co-exist on the same server.

Clusters Support: All supported DP components for a platform are supported in Cluster also, unless specifically mentioned.

supported clusters		
cluster software	**supported cluster software version**	
HP MC/ServiceGuard	• HP MC/ServiceGuard 11.xx: • HP MC/ServiceGuard 11.xx: • HP MC/ServiceGuard 11.xx: • HP MC/ServiceGuard for Linux:[1] • HP MC/ServiceGuard for Linux:[1]	HP-UX 11.0 HP-UX 11.11 HP-UX 11.23 Red Hat Enterprise Linux 2.1, 3.0 SuSE Linux Enterprise Server 8, 9
Microsoft Cluster Server	• Microsoft Cluster Server:	Windows 2000 Windows 2003 (32-bit) Windows 2003 (64-bit) (Itanium)
Tru64 Cluster[2]	• TruCluster 5.x (Disk Agent, Media Agent, Oracle, SAP:	Tru64 5.xx
Veritas Cluster Server	• Veritas Cluster Server 1.3 (Disk Agent Support only): • Veritas Cluster Server 2.0 (Disk Agent Support only): • Veritas Cluster Server 3.5 (Disk Agent Support only): • Veritas Cluster Server 4.0 (Disk Agent and Oracle): • Veritas Cluster Server 4.1 (Disk Agent and Oracle):	Solaris 7, 8 Solaris 7, 8 Solaris 7, 8 Solaris 7, 8 & 9 Solaris 7, 8, 9 & 10
Netware Cluster	• Netware Cluster Services 1.7:	Netware 6.5
OpenVMS Cluster[3]	• OpenVMS Cluster (Disk Agent & Media Agent)	
EFS Clustered Gateway	• EFS Clustered Gateway (Disk Agent and Media Agent)	SuSE Linux Enterprise Server 9

1 The document describing the procedure of installing and configuring Data Protector in a MCSG Cluster with Linux is available at the following URL: http://www.openview.hp.com/sso/searchdocs?prod=DATAPRO&ct=TWP

2 The document describing the procedure of installing and configuring Data Protector in a Tru64 Cluster is available at the following URL: http://www.openview.hp.com/sso/searchdocs?prod=DATAPRO&ct=TWP

3 Installation & Configuration information (in DP environment) available in *HP OpenView Storage Data Protector Installation and Licensing guide*.

supported application clusters	
software clusters / clustered applications	**supported versions / operating systems**
Novell GroupWise [1]	• Novell GroupWise 6.x
Oracle 9i RAC	• Red Hat Enterprise Linux 2.1, 3.0 (with OCFS and CRS) • SuSE Linux Enterprise Server 8, 9 • HP-UX 11.0, HP-UX 11.11, HP-UX 11.23 (with MC/ServiceGuard) • Windows 2000, 2003 (using MS Cluster and CRS) • Solaris 8 and 9

Oracle 10g RAC	• Red Hat Enterprise Linux 2.1, 3.0 (with OCFS and CRS) • SuSE Linux Enterprise Server 8, 9 • HP-UX 11.0, HP-UX 11.11, HP-UX 11.23 (with MC/ServiceGuard) • Windows 2000, 2003 (using MS Cluster and CRS)
Lotus Domino 6 Cluster [2]	• Windows 2000, Windows 2003 (32-bit)
IBM DB2 V8 Partitioned Database [3]	• AIX 5.1, 5.2 & 5.3 (64-bit)

[1] This is a whitepaper based solution The whitepaper is available at the following location: http://www.openview.hp.com/sso/searchdocs?prod=DATAPRO&ct=TWP

[2] This is a whitepaper based solution The whitepaper is available at the following location: http://www.openview.hp.com/sso/searchdocs?prod=DATAPRO&ct=TWP

[3] To utilize this feature DB2 Fix pack 7 is required. Additional configuration, backup and restore procedures are described in Data Protector documentation.

supported file systems	
operating system	**file systems**
Windows 2000	• NTFS 3.0(Including Image Backup) • FAT16, FAT32 • CIFS
Windows XP Pro/2003	• NTFS 3.1(Including Image Backup) • FAT16, FAT32 • CIFS
Windows XP 64/2003	• NTFS 3.1 (Including Image Backup of MBR disks only) • FAT16, FAT32 • CIFS
Novell NetWare	• NetWare FS supported namespaces: MAC, NFS, OS/2 (long namespace), DOS • NSS[1]
HP-UX	• HFS (Including Rawdisk) • NFS • LOFS (Loopback FS) • VxFS (Including Rawdisk) • DCE DFS
Solaris[2]	• UFS • NFS • PC FS (MSOS compatible FS) • HSFS • VxFS • Tmp FS • LOFS (Loopback FS)
IBM AIX[2]	• AIX physical FS "oaix" • JFS (Journaling FS) • JFS2
SGI IRIX[2]	• EFS (Extent File System) • XFS (IRIX Journaling FS)
SNI Sinix[2]	• HSFS (High Sierra FS) • UFS (UNIX File System) • VxFS
SCO OpenServer[2]	• HTFS (High Throughput FS) • DTFS • S51K • S52K

SCO Unixware[2]	• memfs • s5 • sfs (Note: ACLs are not backed up and restored.) • ufs • bfs • vxfs (Note: ACLs are not backed up and restored.)
Tru64 UNIX[2]	• UFS (UNIX FS) • AdvFS (Advanced File System)
Linux (Red Hat, SuSe, Caldera & Debian)[2]	• ext3, ext2, ext, minix, xiafs, ReiserFS, VxFS, XFS[3], VFAT
Open VMS	• ODS-2 • ODS-5

[1] Novell NetWare NSS is supported with the following limitations:

- The new NSS volumes on NetWare 5.x allow creation of deep directory structures (deeper than 100). Data Protector can back up only to a depth of 100.
- NetWare 5.x NSS volumes allow 8 TB file size, but the maximum file size that Data Protector backs up is 4 GB.
- NetWare 5.x has an NSS_ADMIN volume on every system with NSS volumes present. This is a special read-only volume that contains information about NSS volume configuration. NSS_ADMIN is not backed up.

[2] Raw Disk Backup is supported. On Tru64, this is not true if LSM is present

[3] XFS is not supported on Redhat Enterprise Linux 4.0.

ACL support in data protector 6.0

operating system	file system	number of ACL entries (basic/extended)
Windows 2000	NTFS	Unlimited
Windows XP Pro	NTFS	Unlimited
Windows 2003	NTFS	Unlimited
Windows XP 64	NTFS	Unlimited
Novell Netware	NetWare FS (MAC, NFS, OS/2, DOS) [1]	512
Novell Netware	NSS	Unlimited
HP-UX	HFS	3/16
HP-UX	VxFS	4/17
IBM AIX	AIX (Physical FS 'oaix')	1024 (4096 bytes)
OpenVMS	ODS-2, ODS-5	Not Applicable
Solaris	UFS, VxFS (3.5)	1024
Linux	XFS, VxFS, ReiserFS, EXT3	??
Tru64	UFS, AdvFS	??

[1] Limited with Data Protector record size and SMS API.