



HP Data Protector 6.20 Platform and Integration Support Matrix

Version: 3.4

Date: November 2013

For the following Data Protector components, only those combinations of Data Protector components, applications and operating systems are supported for which the corresponding application versions and operating system versions are supported by the respective vendors.

The supported operating system "Windows Server 2003" includes support for all editions of Windows Server 2003 and Windows Server 2003 R2 including Windows Unified Data Storage Server where applicable.

The supported operating system "Windows Server 2008" and "Windows Server 2008 R2" includes support for all editions of Windows Server 2008 and "Windows Server 2008 R2" including Windows Unified Data Storage Server where applicable.

The supported operating system "Windows Server 2012" includes support for all editions of Windows Server 2012.

Supported operating systems

Data Protector component	Supported operating systems
Cell Manager	<ul style="list-style-type: none">Windows XP Professional (32-bit)Windows 7 (32-bit)Windows Server 2003 (32-bit)Windows Server 2003 (64-bit) (x64)Windows Server 2008(32-bit)Windows Server 2008 (64-bit) (x64)Windows Server 2008 R2 (64-bit) (x64)HP-UX (PA-RISC) ⁸ 11.11^{2,3}, 11.23^{2,3}, 11.31^{2,3}HP-UX (Itanium) 11.23^{2,3}, 11.31^{2,3}Solaris (SPARC) 8, 9, 10Red Hat Enterprise Linux (RHEL) ⁴ 4.x, 5.x, 6.,0, 6.1, 6.2, 6.3 (64-bit) (x64)SuSE Linux Enterprise Server 9, 10, 11 (64-bit) (x64)
Installation Server	<ul style="list-style-type: none">Windows XP Professional (32-bit)Windows 7 (32-bit)Windows Server 2003 (32-bit)Windows Server 2003 (64-bit) (x64)Windows Server 2008 (32-bit)Windows Server 2008 (64-bit) (x64)Windows Server 2008 R2 (64-bit) (x64)HP-UX (PA-RISC) 11.11^{2,3}, 11.23^{2,3}, 11.31^{2,3}HP-UX (Itanium) 11.23^{2,3}, 11.31^{2,3}Solaris (SPARC) 8, 9, 10Red Hat Enterprise Linux (RHEL) ⁴ 4.x, 5.x, 6.0, 6.1, 6.2, 6.3 (64-bit) (x64)SuSE Linux Enterprise Server 9, 10, 11 (64-bit) (x64)

<p>Manager-of-Managers (MoM)</p>	<ul style="list-style-type: none"> • Windows XP Professional (32-bit) • Windows Server 2003 (32-bit) • Windows Server 2003 (64-bit) (x64) • Windows Server 2008(64-bit) (x64) • Windows Server 2008 R2 (64-bit) (x64) • HP-UX (PA-RISC) 11.11^{2,3}, 11.23^{2,3}, 11.31^{2,3} • Solaris (SPARC) 8, 9, 10 • HP-UX (Itanium) 11.23^{2,3}, 11.31^{2,3} • Red Hat Enterprise Linux (RHEL)⁴ 4.x, 5.x, 6.0,6.1, 6.2, 6.3 (64-bit) (x64) • SuSE Linux Enterprise Server 9, 10, 11 (64-bit) (x64)
<p>Backup device server (Media Agent), including robotic control</p>	<ul style="list-style-type: none"> • Windows XP Professional (32-bit) • Windows XP (64-bit) (Itanium, x64) • Windows Vista (32-bit) • Windows Vista (64-bit) (x64) • Windows 7 (32-bit) • Windows 7 (64-bit) (x64) • Windows Server 2003 (32-bit) • Windows Server 2003 (64-bit) (Itanium, x64) • Windows Server 2008 (32-bit) • Windows Server 2008 (64-bit) (Itanium, x64) • Windows Server 2008 R2 (64-bit) (Itanium, x64) • Windows Server 2008 Core (32 bit, 64-bit) (Itanium, x64) • Windows Server 2008 R2 Core (64-bit) (x64) • Windows Server 2012 (64-bit) (x64) • Novell NetWare 6.5¹ • Novell Open Enterprise Server 2.0 for Linux (32-bit and 64-bit) • Novell Open Enterprise Server 11.0 for Linux (64-bit) • HP-UX (PA-RISC) 11.11^{2,3},11.23^{2,3}, 11.31^{2,3} • HP-UX (Itanium) 11.23^{2,3}, 11.31^{2,3} • Tru64 5.xx • OpenVMS 7.3-2¹, 8.2-1¹, 8.3¹, 8.4¹ (Alpha) • OpenVMS 8.3¹, 8.3-1H1¹, 8.4¹ (Itanium) • Sun Solaris (SPARC) 8, 9, 10, 11⁹ • Sun Solaris (x86 and x64) 10, 11⁹ • Linux (32-bit): Red Hat Enterprise Linux (RHEL)⁴ 4.x, 5.x, 6.0, 6.1, 6.2, 6.3 SuSE Linux Enterprise Server (SLES) 8, 9, 10, 11 Oracle Enterprise Linux 4.x, 5.x, 6.0, 6.1, 6.2, 6.3 Debian Linux 5.0 CentOS 5.x, 6.0, 6.1, 6.2, 6.3 • Linux (64-bit): Red Hat Enterprise Linux (RHEL)⁴ 4.x, 5.x (Itanium, x64) Red Hat Enterprise Linux (RHEL)⁴ 6.0, 6.1, 6.2, 6.3 (x64) SuSE Linux Enterprise Server (SLES) 8 (Itanium) SuSE Linux Enterprise Server (SLES) 9, 10 and 11 (Itanium, x64) Oracle Enterprise Linux 4.x, 5.x, 6.0, 6.1, 6.2, 6.3 (x64) Debian Linux 5.0(Itanium, x64), 6.0(x64) CentOS 5.x (x64)
<p>Backup device server (Media Agent), without robotic control</p>	<p>The above list plus the following:</p> <ul style="list-style-type: none"> • IBM AIX 5.3, 6.x, 7.1⁶ • SCO OpenServer 5.0.7
<p>Backup agents (Disk Agents)</p>	<ul style="list-style-type: none"> • Windows XP Home Edition¹ • Windows XP Professional (32 bit) • Windows XP Professional (64-bit) (Itanium, x64) • Windows Vista (32-bit)¹¹ • Windows 7 (32-bit)¹¹

- Windows Vista (64-bit) (x64)¹¹
- Windows 7 (64-bit) (x64)
- Windows 8 (32-bit)
- Windows 8 (64-bit)
- Windows Server 2003 (32-bit)¹¹
- Windows Server 2003 (64-bit) (Itanium, x64) ¹¹
- Windows Server 2008 (32-bit) ¹¹
- Windows Server 2008 (64-bit) (Itanium, x64) ¹¹
- Windows Server 2008 R2 (64-bit)(x64, Itanium)
- Windows Server 2008 Core (32bit) ¹¹
- Windows Server 2008 Core (64-bit) (Itanium, x64) ¹¹
- Windows Server 2008 R2 Core (64-bit) (x64)
- Windows Small Business Server 2011 (64-bit) (x64)
- Novell NetWare 6.5¹
- Novell Open Enterprise Server 2.0 for Linux (32-bit and 64-bit)
- Novell Open Enterprise Server 11.0 for Linux (64-bit)
- HP-UX (PA-RISC) 11.11^{2,3}, 11.23^{2,3}, 11.31^{2,3}
- HP-UX (Itanium) 11.23^{2,3}, 11.31^{2,3}
- Sun Solaris (SPARC) 8, 9, 10, 11^{9,10}
- Sun Solaris (x86, x64) 10, 11^{9,10}
- IBM AIX 5.3, 6.x, 7.1^{6,7}
- SGI IRIX 6.5
- SCO OpenServer 5.0.7, 6.0.0
- SCO UnixWare 7.1.4
- Tru64 5.xx
- Open VMS 7.3-2¹, 8.2¹, 8.3¹, 8.4¹ (Alpha)
- OpenVMS 8.3¹, 8.3-1H1¹, 8.4¹ (Itanium)
- Mac OS X 10.4.x, 10.5.x (32-bit)
- Mac OS X 10.6.x (64-bit) (x64)
- Linux (32-bit): Red Hat Enterprise Linux (RHEL) ⁴ 4.x, 5.x, 6.0, 6.1⁶, 6.2⁶, 6.3⁶
SuSE Linux Enterprise Server (SLES) 8, 9, 10, 11
Oracle Enterprise Linux 4.x, 5.x, 6.0⁶, 6.1⁶, 6.2⁶, 6.3⁶
Debian Linux 5.0, 6.0⁶
CentOS 5.x, 6.0, 6.1⁶, 6.2⁶, 6.3⁶
- Linux (64-bit): Red Hat Enterprise Linux (RHEL) ⁴ 3.x (x64), 4.x, 5.x (Itanium, x64)
Red Hat Enterprise Linux (RHEL) ⁴ 6.0, 6.1⁶, 6.2⁶, 6.3⁶, 6.4⁶ (x64)
SuSE Linux Enterprise Server (SLES) 8 (Itanium)
SuSE Linux Enterprise Server (SLES) 9, 10 and 11 (Itanium, x64)
Oracle Enterprise Linux 4.x, 5.x, 6.0⁶, 6.1⁶, 6.2⁶, 6.3⁶, 6.4⁶ (x64)
Debian Linux 5.0 (Itanium), 6.0⁶ (x64)
CentOS 5.x, 6.0, 6.1⁶, 6.2⁶, 6.3⁶, 6.4⁶ (x64)
- additional UNIX platforms via NFS (on UNIX systems)
- additional platforms via shared disks (CIFS /SMB 1 or 2 on Windows systems)

Backup Agents (disk agents) for file system, raw disk and IDB backup using AES encryption

- Windows XP Professional (32-bit)
- Windows Vista (32-bit)
- Windows Vista (64-bit) (x64)
- Windows 8 (32-bit)
- Windows 8 (64-bit)
- Windows Server 2003 (32-bit)
- Windows Server 2003 (64-bit) (Itanium, x64)
- Windows Server 2008 (32-bit)
- Windows Server 2008 (64-bit) (Itanium, x64)
- Windows Server 2008 R2 (64-bit) (Itanium, x64)

	<ul style="list-style-type: none"> • HP-UX (PA-RISC) 11.11^{2,3}, 11.23^{2,3}, 11.31^{2,3} • HP-UX (Itanium) 11.23^{2,3}, 11.31^{2,3} • Sun Solaris (SPARC) 8, 9, 10, 11^{9,10} • Linux (32-bit): Red Hat Enterprise Linux (RHEL)⁴ 4.x, 5.x, 6.0, 6.1, 6.2, 6.3 SuSE Linux Enterprise Server (SLES) 10, 11 • Linux (64-bit): Red Hat Enterprise Linux (RHEL)⁴ 4.x, 5.x (Itanium, x64) Red Hat Enterprise Linux (RHEL)⁴ 6.0, 6.1, 6.2, 6.3 (x64) SuSE Linux Enterprise Server (SLES) 8 (Itanium) SuSE Linux Enterprise Server (SLES) 9, 10 and 11 (Itanium, x64)
Backup device server (Media Agent), including robotic control using LTO drive based encryption (AES-GCM)	<ul style="list-style-type: none"> • Windows XP Professional (32-bit) • Windows XP Professional (64-bit) (Itanium, x64) • Windows Vista (32-bit) • Windows Vista (64-bit) (x64) • Windows Server 2003 (32-bit) • Windows Server 2003 (64-bit) (Itanium, x64) • Windows Server 2008 (32-bit) • Windows Server 2008 (64-bit) (Itanium, x64) • Windows Server 2008 R2 (64-bit) (Itanium, x64) • Windows Server 2012 (64-bit) (x64) • HP-UX (PA-RISC) 11.11^{2,3}, 11.23^{2,3}, 11.31^{2,3} • HP-UX (Itanium) 11.23^{2,3}, 11.31^{2,3} • Linux (32-bit): Red Hat Enterprise Linux (RHEL)⁴ 4.x, 5.x, 6.0, 6.1, 6.2, 6.3 SuSE Linux Enterprise Server (SLES) 10, 11 Oracle Enterprise Linux 6.0, 6.1, 6.2, 6.3 • Linux (64-bit): Red Hat Enterprise Linux (RHEL)⁴ 4.x, 5.x (Itanium, x64) Red Hat Enterprise Linux (RHEL)⁴ 6.0, 6.1, 6.2, 6.3 (x64) SuSE Linux Enterprise Server (SLES) 10, 11 (Itanium, x64) Oracle Enterprise Linux 6.0, 6.1, 6.2, 6.3 (x64)
Backup device server (Media Agent), including robotic control for HP VLS Automigration ⁵	<ul style="list-style-type: none"> • Windows XP Professional (32-bit) • Windows XP (64-bit) (Itanium, x64) • Windows Vista (32-bit) • Windows Vista (64-bit) (x64) • Windows 7 (32-bit) • Windows 7 (64-bit) (x64) • Windows Server 2003 (32-bit) • Windows Server 2003 (64-bit) (Itanium, x64) • Windows Server 2008 (32-bit) • Windows Server 2008 (64-bit) (Itanium, x64) • Windows Server 2008 Core (32 bit, 64-bit) (Itanium, x64) • Windows Server 2008 R2 (64-bit) (Itanium, x64) • HP-UX (PA-RISC) 11.23^{2,3}, 11.31^{2,3} • HP-UX (Itanium) 11.23^{2,3}, 11.31^{2,3} • Sun Solaris (SPARC) 8, 9, 10 • Linux (32-bit): Red Hat Enterprise Linux (RHEL)⁴ 4.x, 5.x SuSE Linux Enterprise Server (SLES) 8, 9, 10 and 11 Oracle Enterprise Linux 4.x, 5.x Debian Linux 5.0 • Linux (64-bit): Red Hat Enterprise Linux (RHEL)⁴ 4.x, 5.x (Itanium, x64) SuSE Linux Enterprise Server (SLES) 8 (Itanium) SuSE Linux Enterprise Server (SLES) 9, 10, 11 (Itanium, x64) Oracle Enterprise Linux 4.x, 5.x Debian Linux 5.0 (Itanium)
StoreOnce Software Deduplication ⁶	<ul style="list-style-type: none"> • Windows Server 2008 (64-bit) (x64) • Windows Server 2008 R2 (64-bit) (x64)

	<ul style="list-style-type: none"> Linux (64-bit): Red Hat Enterprise Linux (RHEL) ⁴ 5.x, 6.x (x64) SuSE Linux Enterprise Server (SLES) 10, 11 (x64)
Backup device server (Media Agent) with Deduplication ⁶	<ul style="list-style-type: none"> Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit)(x64) Linux (64-bit): Red Hat Enterprise Linux (RHEL) ⁴ 5.x, 6.x (x64) SuSE Linux Enterprise Server (SLES) 10, 11 (x64)

- 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.
HP-UX 11.31 is HP-UX 11i version 3.0.
- 4 Includes support for Red Hat Enterprise Linux Advanced Server, Advanced Workstation and Enterprise Server if applicable.
- 5 VLS Automigration is currently only supported with VLS firmware 2.3.
- 6 Support is available with the Data Protector patch bundle
DPUXBDL_00621/DPSOLBDL_00621/DPLNXBDL_00621/DPWINBDL_00621 on top of Data Protector 6.20.
- 7 Includes support for Veritas Cross-Platform Data Sharing (CDS) disk.
- 8 Supported only on HP-UX (PA-RISC) 64-bit.
- 9 Support is available with the following patch :PHSS_42860/DPLNX_00199/DPSOL_00493
- 10 System Extended Attributes are not supported.
- 11 Requires installation of Windows patch KB2748349.

Supported CLI platforms and localization

Operating system	Supported local languages
Windows	<ul style="list-style-type: none"> English French Japanese Simplified Chinese
HP-UX	<ul style="list-style-type: none"> English French Japanese Simplified Chinese
Solaris	<ul style="list-style-type: none"> English French Japanese Simplified Chinese
Linux	<ul style="list-style-type: none"> English
IBM AIX	<ul style="list-style-type: none"> English
Novell NetWare, Novell Open Enterprise Server	<ul style="list-style-type: none"> English
SGI IRIX	<ul style="list-style-type: none"> English
SCO OpenServer, SCO Unixware	<ul style="list-style-type: none"> English
Tru64 UNIX	<ul style="list-style-type: none"> English
Open VMS	<ul style="list-style-type: none"> English
VMware ESX	<ul style="list-style-type: none"> English
Mac OS X	<ul style="list-style-type: none"> English

Graphical user interface support¹

GUI component	Supported operating system
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Native Windows graphical user interface	<ul style="list-style-type: none"> • Windows XP Home Edition² • Windows XP Professional (32-bit) • Windows XP Professional (64-bit) (Itanium, x64) • Windows Vista (32-bit) • Windows Vista (64-bit) (x64) • Windows 7 (32-bit) • Windows 7 (64-bit) (x64) • Windows Server 2003 (32-bit) • Windows Server 2003 (64-bit) (Itanium, x64) • Windows Server 2008 (32-bit) • Windows Server 2008, Windows Server 2008 R2 (64-bit) (Itanium, x64)
Java GUI Client	<ul style="list-style-type: none"> • Windows XP Professional (32-bit) • Windows Vista (32-bit) • Windows Vista (64-bit) (x64) • Windows 7 (32-bit) • Windows 7 (64-bit) (x64) • Windows Server 2003 (32-bit) • Windows Server 2003 (64-bit) (x64) • Windows Server 2008 (32-bit) • Windows Server 2008, Windows Server 2008 R2 (64-bit) (x64) • HP-UX (PA-RISC) – 11.11^{3,4}, 11.23^{3,4}, 11.31^{3,4} • HP-UX (Itanium) -- 11.23^{3,4}, 11.31^{3,4} • Solaris (SPARC) 8, 9, 10 • Red Hat Enterprise Linux (RHEL)⁵ 4.x, 5.x, 6.0, 6.1, 6.2 (64-bit) (x64) • SuSE Linux Enterprise Server 9, 10 and 11 (64-bit) (x64)

¹ Graphical user interface is supported for following languages:

- English,
- French,
- Japanese,
- Simplified Chinese.

² Push installation not possible, need to be installed locally.

³ NIS+ is supported in a DNS environment.

⁴ HP-UX 11.11 is HP-UX 11i version 1.0.

HP-UX 11.23 is HP-UX 11i version 2.0.

HP-UX 11.31 is HP-UX 11i version 3.0.

⁵ Includes support for Red Hat Enterprise Linux Advanced Workstation and Enterprise Server if applicable.

Platform restrictions for supported operating systems

Operating system	Supported processor platforms	
HP-UX	PA-RISC	(HP-UX 11.11, 11.23, 11.31)
	Itanium	(HP-UX 11.23, 11.31)
Windows	x86, x86_64	(for 32-bit Windows)
	Itanium, x86_64	(for 64-bit Windows)
Linux	x86, x86_64	(for 32-bit Linux)
	Itanium, x86_64	(for 64-bit Linux)
Sun Solaris	SPARC	
	x86, x86_64	(for Solaris 10 Disk Agent and Media Agent only)
OpenVMS	Alpha, Itanium	
Mac OS X Server	x86	(Mac OS X 10.4.x, 10.5.x)
	x86_64	(Mac OS X 10.6.x)

For the following integration matrix, only those combinations of applications and operating systems are supported that are supported by the respective vendors. Software based encryption is supported for all integrations except ZDB⁷

Supported online database and application integrations

Databases	Supported versions	
Oracle (32-bit) (including Oracle Data Guard/Standby Database support)	<ul style="list-style-type: none"> Oracle 10g/ Recovery Manager¹: Oracle 11g/ Recovery Manager¹: Oracle 11g R2/ Recovery Manager¹ 	<p>Windows Server 2003 (32-bit) Windows Server 2008 (32-bit) Oracle Enterprise Linux 4.x, 5.x (32-bit) RHEL Advanced Server² 4.x, 5.x (32-bit) SuSE Linux Enterprise Server 8, 9, 10, 11 (32-bit) Windows Server 2003 (32-bit) Windows Server 2008 (32-bit) RHEL Advanced Server² 4.x, 5.x, 6.0, 6.1, 6.2 (32-bit) SuSE Linux Enterprise Server 10, 11 (32-bit) Oracle Enterprise Linux 4.x, 5.x (32-bit) RHEL Advanced Server² 4.x, 5.x, 6.0, 6.1, 6.2 (32-bit) SuSE Linux Enterprise Server 10, 11 (32-bit) Oracle Enterprise Linux 4.x, 5.x (32-bit) Windows Server 2003 (32-bit) Windows Server 2008 (32-bit)</p>
Oracle (64-bit) (Including Oracle Data Guard/Standby Database support)	<ul style="list-style-type: none"> Oracle 10g, 10g R2/ Recovery Manager¹: Oracle 11g/ Recovery Manager¹: Oracle 11g R2/ Recovery Manager¹: 	<p>HP-UX 11.11 (64-bit) HP-UX 11.23 (64-bit) (Itanium, PA-RISC) HP-UX 11.31 (64-bit) (Itanium, PA-RISC) Solaris (SPARC) 8, 9, 10 (64-bit) Solaris 10 (64-bit) (x64) Windows Server 2003 (64-bit) (Itanium, x64) Windows Server 2008 (64-bit) (x64) AIX 5.3, 6.x (64-bit) OpenVMS 7.3-2, 8.x (Alpha, Itanium) Tru64 5.xx Oracle Enterprise Linux 4.x, 5.x (64-bit) RHEL Advanced Server² 4.x, 5.x (64-bit) (Itanium, x64) SuSE Linux Enterprise Server 8 (64-bit) (Itanium) SuSE Linux Enterprise Server 9 (64-bit) (Itanium, x64) SuSE Linux Enterprise Server 10, 11 (64-bit) (x64) HP-UX 11.23 (64-bit) (Itanium, PA-RISC) HP-UX 11.31 (64-bit) (Itanium, PA-RISC) Solaris (SPARC) 9, 10 (64-bit) Windows Server 2003 (64-bit) (Itanium, x64) Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64) AIX 5.3, 6.x (64-bit) RHEL Advanced Server² 4.x, 5.x (64-bit) (Itanium, x64) RHEL Advanced Server² 6.0, 6.1, 6.2, 6.3 (64-bit) (x64) SuSE Linux Enterprise Server 10, 11 (64-bit) (x64) Oracle Enterprise Linux 4.x, 5.x (64-bit) (x64) HP-UX 11.31 (64-bit) (Itanium, PA-RISC) RHEL Advanced Server² 4.x, 5.x, 6.0, 6.1, 6.2, 6.3 (64-bit) (x64) SuSE Linux Enterprise Server 10, 11 (64-bit) (x64) Oracle Enterprise Linux 4.x, 5.x, 6.0, 6.1, 6.2 (64-bit) (x64) Windows Server 2003 (64-bit) (x64) Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64) AIX 5.3, 6.x, 7.1⁸ (64-bit)</p>

Informix (32-bit)	<ul style="list-style-type: none"> Informix IDS 11.1, 11.5: Informix IDS 11.7⁸: 	<p>Solaris (SPARC) 10 (64-bit)</p> <p>HP-UX 11.11 (32-bit, 64-bit)</p> <p>Solaris (SPARC) 9, 10 (32-bit, 64-bit)</p> <p>Windows Server 2003 (32-bit)</p> <p>Windows Server 2008 (32-bit)</p> <p>SuSE Linux Enterprise Server 10, 11 (32-bit)</p> <p>RHEL Advanced Server² 5.x (32-bit)</p> <p>RHEL Advanced Server² 5.x, 6.0, 6.1, 6.2 (32-bit)</p> <p>Windows Server 2003 (32-bit)</p>
Informix (64-bit)	<ul style="list-style-type: none"> Informix IDS 11.1, 11.5: Informix IDS 11.7⁸: Informix IDS 12.10⁸: 	<p>HP-UX 11.11 (64-bit)</p> <p>HP-UX 11.23, 11.31 (64-bit) (Itanium, PA-RISC)</p> <p>Solaris (SPARC) 9, 10 (64-bit)</p> <p>AIX 5.3, 6.x, 7.1⁸ (64-bit)</p> <p>RHEL Advanced Server² 4.x, 5.x (64-bit) (x64)</p> <p>SuSE Linux Enterprise Server 10, 11 (64-bit) (x64)</p> <p>Windows Server 2003 (x64)</p> <p>HP-UX 11.31 (64-bit)(Itanium, PA-RISC)</p> <p>Solaris (SPARC) 10 (64-bit)</p> <p>RHEL Advanced Server² 5.x, 6.0, 6.1, 6.2 (64-bit) (x64)</p> <p>SuSE Linux Enterprise Server 11 (64-bit) (x64)</p> <p>Windows Server 2008 R2 (x64)</p> <p>AIX 6.1, 7.1 (64-bit)</p> <p>HP-UX 11.31 (64-bit)(Itanium)</p>
Sybase (32-bit)	<ul style="list-style-type: none"> Sybase Adaptive Server Enterprise 15.0.x, 15.5: Sybase Adaptive Server Enterprise 15.7: 	<p>RHEL Advanced Server² 5.x (32-bit)</p> <p>Windows Server 2003 R2 (32-bit)</p> <p>Windows Server 2008 (32-bit)¹³</p>
Sybase (64-bit)	<ul style="list-style-type: none"> Sybase Adaptive Server Enterprise 15.0.x, 15.5: Sybase Adaptive Server Enterprise 15.7: 	<p>HP-UX 11.23, 11.31¹¹ (Itanium, PA-RISC)</p> <p>Solaris (SPARC) 8, 9, 10 (64-bit)</p> <p>RHEL Advanced Server² 5.x (64-bit) (x64)</p> <p>AIX 5.3, 6.x (64-bit)</p> <p>Windows Server 2003 R2 (64-bit)¹³</p> <p>RHEL Advanced Server² 6.0, 6.1, 6.2, 6.3 (64-bit) (x64)</p> <p>SuSE Linux Enterprise Server 11 (64-bit) (x64)</p> <p>Solaris (SPARC) 10 (64-bit)</p> <p>HP-UX 11.31¹¹ (Itanium)</p> <p>AIX 7.1⁸</p> <p>Windows Server 2003 R2 (64-bit)¹³</p> <p>Windows Server 2008 R2 (64-bit) (x64)¹³</p>
Microsoft SQL Server (32-bit)	<ul style="list-style-type: none"> Microsoft SQL Server 2000: Microsoft SQL Server 2005: Microsoft SQL Server 2008: Microsoft SQL Server 2008 R2¹⁶: Microsoft SQL Server 2012¹⁴: 	<p>Windows Server 2003 (32-bit)</p> <p>Windows Server 2003 (32-bit)</p> <p>Windows Server 2008 (32-bit)</p> <p>Windows Server 2003 (32-bit)</p> <p>Windows Server 2008 (32-bit)</p> <p>Windows Server 2003 (32-bit)</p> <p>Windows Server 2008 (32-bit)</p>
Microsoft SQL Server (64-bit)	<ul style="list-style-type: none"> Microsoft SQL Server 2000: Microsoft SQL Server 2005³: Microsoft SQL Server 2008: 	<p>Windows Server 2003 (64-bit) (Itanium)</p> <p>Windows Server 2003 (64-bit) (Itanium, x64)</p> <p>Windows Server 2008 (64-bit) (Itanium, x64)</p> <p>Windows Server 2003 (64-bit) (Itanium, x64)</p> <p>Windows Server 2008 (64-bit) (Itanium, x64)</p>

	<ul style="list-style-type: none"> Microsoft SQL Server 2008 R2¹⁶: 	<p>Windows Server 2008 R2 (64-bit) (Itanium, x64) Windows Server 2003 (64-bit) (Itanium, x64)</p>
	<ul style="list-style-type: none"> Microsoft SQL Server 2012¹⁴: 	<p>Windows Server 2008 (64-bit) (Itanium, x64) Windows Server 2008 R2 (64-bit) (Itanium, x64) Windows Small Business Server 2011 (64-bit) (x64) Windows Server 2008 (x64) Windows Server 2008 R2 (x64) Windows Server 2012 (64-bit) (x64)</p>
Microsoft SharePoint	<ul style="list-style-type: none"> Microsoft SharePoint Portal Server 2003: Microsoft Office SharePoint Server 2007:³ Microsoft SharePoint Server 2010:^{3,15} Windows SharePoint Services 3.0: Microsoft SharePoint Foundation 2010: 	<p>Windows Server 2003 (32-bit) Windows Server 2003 (32-bit) Windows Server 2003 (64-bit) (x64) Windows Server 2008 (32-bit) Windows Server 2008 (64-bit) (x64) Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64)¹⁰ Windows Server 2003 (32-bit) Windows Server 2003 (64-bit) (x64) Windows Server 2008 (32-bit) Windows Server 2008 (64-bit) (x64) Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2¹⁵ (64-bit) (x64)</p>
Microsoft Exchange Server (including single mailbox and single folder restore)	<ul style="list-style-type: none"> Microsoft Exchange Server 2003: Microsoft Exchange Server 2007: 	<p>Windows Server 2003 (32-bit) Windows Server 2003 (64-bit) (x64) Windows Server 2008 (64-bit) (x64)</p>
Microsoft Exchange Server (including single mailbox and DAG backup / restore)	<ul style="list-style-type: none"> Microsoft Exchange Server 2010: 	<p>Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64)</p>
Microsoft Exchange Server (without single mailbox and DAG backup / restore)	<ul style="list-style-type: none"> Microsoft Exchange Server 2010: 	<p>Windows Small Business Server 2011 Windows Server 2012 (64-bit) (x64)</p>
Microsoft Data Protection Manager (DPM)	<ul style="list-style-type: none"> Data Protection Manager 2007: Data Protection Manager 2010: 	<p>Windows Server 2003 (x64) Windows Server 2003 (x64) Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64)</p>
IBM DB2 (32-bit)	<ul style="list-style-type: none"> IBM DB2 UDB 9.1: IBM DB2 UDB 9.5: IBM DB2 UDB 9.7: 	<p>RHEL Advanced Server² 4.x, 5.x (32-bit) SuSE Linux Enterprise Server 8, 9, 10, 11 (32-bit) Windows Server 2003 (32-bit) AIX 5.3, 6.x (32-bit, 64-bit) RHEL Advanced Server² 5.x (32-bit) SuSE Linux Enterprise Server 10, 11 (32-bit) Windows Server 2003 (32-bit) Windows Server 2008 (32-bit) AIX 5.3, 6.x (32-bit, 64-bit) RHEL Advanced Server² 5.x (32-bit) SuSE Linux Enterprise Server 10, 11 (32-bit) Windows Server 2003 (32-bit) Windows Server 2008 (32-bit) AIX 5.3, 6.x (32-bit, 64-bit)</p>
IBM DB2 (64-bit)	<ul style="list-style-type: none"> IBM DB2 UDB 9.1: 	<p>HP-UX 11.11 (64-bit) HP-UX 11.23, 11.31 (Itanium, PA-RISC) AIX 5.3, 6.x (64-bit)</p>

	<ul style="list-style-type: none"> IBM DB2 UDB 9.5: IBM DB2 UDB 9.7: 	<p>RHEL Advanced Server² 4.x (64-bit) (x64) SuSE Linux Enterprise Server 9, 10,11 (64-bit) (x64) Windows Server 2003 (x64) HP-UX 11.23, 11.31 (Itanium) AIX 5.3, 6.x (64-bit) RHEL Advanced Server² 5.x (64-bit) (x64) SuSE Linux Enterprise Server 10, 11(64-bit) (x64) Windows Server 2003 (x64) Windows Server 2008 (64-bit)(x64) Windows Server 2008 R2 (64-bit)(x64) HP-UX 11.23, 11.31 (Itanium) AIX 5.3, 6.x (64-bit) RHEL Advanced Server² 5.x (64-bit) (x64) SuSE Linux Enterprise Server 10, 11(64-bit) (x64) Windows Server 2003 (x64) Windows Server 2008 (64-bit)(x64) Windows Server 2008 R2 (64-bit)(x64)</p>
Lotus Notes, Lotus Domino (32-bit) (including single mailbox backup and restore)	<ul style="list-style-type: none"> Lotus Domino/Notes 7.0.x Lotus Domino/Notes 8.0.x Lotus Domino/Notes 8.5.x 	<p>Windows Server 2003 (32-bit) Windows Server 2003 (64-bit)(x64) AIX 5.3 (64-bit) Windows Server 2003 (32-bit) Windows Server 2008 (32-bit) AIX 5.3, 6.x (64-bit) Solaris 10 (SPARC) Windows Server 2003 (32-bit) Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64) AIX 5.3, 6.x, 7.1 (64-bit) Solaris 10 (SPARC) RHEL Advanced Server² 5.x (32-bit)⁸ RHEL Advanced Server² 5.x (64-bit) (x64)⁸ SuSE Linux Enterprise Server 10, 11 (64-bit) (x64)⁸</p>
Lotus Notes, Lotus Domino (64-bit) (including single mailbox backup and restore)	<ul style="list-style-type: none"> Lotus Domino/Notes 8.0.x Lotus Domino/Notes 8.5.x 	<p>Windows Server 2003 (64-bit)(x64) Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64) AIX 5.3, 6.x (64-bit) Solaris 10 (SPARC) Windows Server 2003 (64-bit)(x64) Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64) AIX 5.3, 6.x, 7.1 (64-bit) Solaris 10 (SPARC)</p>
SAPDB / MaxDB (32-bit) (online integration based on 'Backint for SAPDB / MaxDB')	<ul style="list-style-type: none"> MaxDB version 7.6: MaxDB version 7.7: MaxDB version 7.8: 	<p>HP-UX 11.11 (32-bit) Windows Server 2003 (32-bit) SuSE Linux Enterprise Server 9, 10 (32-bit) RHEL Advanced Server² 4.x, 5.x (32-bit) HP-UX 11.11 (32-bit) Windows Server 2003 (32-bit) SuSE Linux Enterprise Server 9, 10 (32-bit) RHEL Advanced Server² 4.x, 5.x (32-bit) Windows Server 2008 (32bit) RHEL Advanced Server² 6.0, 6.1, 6.2 (32-bit)⁹</p>
SAPDB / MaxDB (64-bit) (online integration based on 'Backint for SAPDB / MaxDB')	<ul style="list-style-type: none"> MaxDB version 7.6: 	<p>HP-UX 11.11 (64-bit) HP-UX 11.23, 11.31 (PA-RISC, Itanium) Windows Server 2003 (64-bit) (Itanium, x64) SuSE Linux Enterprise Server 9, 10 (64-bit)</p>

	<ul style="list-style-type: none"> • MaxDB version 7.7: <ul style="list-style-type: none"> (Itanium, x64) RHEL Advanced Server² 4.x, 5.x (64-bit) (Itanium, x64) AIX 6.1 (64-bit) HP-UX 11.11 (64-bit) HP-UX 11.23, 11.31 (PA-RISC, Itanium) Windows Server 2003 (64-bit) (Itanium, x64) Windows Server 2008 (64-bit) (Itanium, x64) SuSE Linux Enterprise Server 9, 10, 11 (64-bit) (Itanium, x64) RHEL Advanced Server² 4.0 (64-bit) (Itanium, x64) RHEL Advanced Server² 5.x (64-bit) (x64) AIX 6.1, 7.1(64bit) • MaxDB version 7.8: <ul style="list-style-type: none"> Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64) RHEL Advanced Server² 5.x, 6.0, 6.1, 6.2, 6.3 (64-bit)⁹(x64) SuSE Linux Enterprise Server 11 (64-Bit) x64⁹ HP-UX 11. 31, 11.23 (PA-RISC, Itanium)¹² AIX 6.1, 7.1(64bit)¹⁷ • MaxDB version 7.9 <ul style="list-style-type: none"> Windows Server 2008 R2 (64-bit) (x64) Windows Server 2008 (64-Bit) (x64) RHEL 6.0, 6.1, 6.2, 6.3 (64 Bit) (x64)⁹ SuSE Linux Enterprise Server 11 (64-bit) (x64)⁹ HP-UX 11. 31 (Itanium)¹² AIX 6.1, 7.1(64bit)¹⁷ 	
SAP NetWeaver ⁴ (32-bit)	<ul style="list-style-type: none"> • SAP BR*Tools 7.0, using backint or RMAN mode: <ul style="list-style-type: none"> Windows Server 2003 (32-bit) SuSE Linux Enterprise server 8, 9, 10, 11 RHEL Advanced Server² 4.x, 5.x • SAP BR*Tools 7.1, using backint or RMAN mode: <ul style="list-style-type: none"> Windows Server 2003 (32-bit) SuSE Linux Enterprise server 10, 11 RHEL Advanced Server² 5.x • SAP BR*Tools 7.2, using backint or RMAN mode: <ul style="list-style-type: none"> RHEL Advanced Server² 5.x, 6.0, 6.1, 6.2 	
SAP NetWeaver ⁴ (64-bit)	<ul style="list-style-type: none"> • SAP BR*Tools 7.0, using backint or RMAN mode: <ul style="list-style-type: none"> HP-UX 11.11(64-bit) HP-UX 11.23, 11.31 (64-bit) (Itanium, PA-RISC) Windows Server 2003 (64-bit) (Itanium, x64) Windows Server 2008 (64-bit) (Itanium, x64) Solaris (SPARC) 9,10 AIX 5.3, 6.x (64-bit) RHEL Advanced Server² 4.x, 5.x (Itanium, x64) SuSE Linux Enterprise Server 9, 10, 11 (64-bit) (Itanium, x64) • SAP BR*Tools 7.1, using backint or RMAN mode: <ul style="list-style-type: none"> HP-UX 11.23, 11.31 (64-bit) (Itanium, PA-RISC) Windows Server 2003 (64-bit) (Itanium, x64) Windows Server 2008 (64-bit) (Itanium, x64) Windows Server 2008 R2 (64-bit) (Itanium, x64) Solaris (SPARC) 9,10 AIX 5.3, 6.x (64-bit) RHEL Advanced Server² 4.x, 5.x (Itanium, x64) SuSE Linux Enterprise Server 9, 10, 11 (64-bit) (Itanium, x64) • SAP BR*Tools 7.2, using backint or RMAN mode:⁶ <ul style="list-style-type: none"> HP-UX 11.31 (64-bit) (Itanium, PA-RISC) Windows Server 2003 (64-bit) (Itanium, x64) Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64) Solaris (SPARC) 9,10 AIX 6.x, 7.1 (64-bit) RHEL Advanced Server² 5.x (Itanium, x64) 	

	RHEL Advanced Server ² 6 .0, 6.1, 6.2 (64 bit) (x64) SuSE Linux Enterprise Server 11(64-bit) (Itanium, x64)
Baan IV ⁵	<ul style="list-style-type: none"> Baan IV on Oracle, Informix, Microsoft SQL Server and Sybase (see versions above)

- 1 Oracle 10g and 11g covers all released versions of Oracle 10g, 10g R2, 11g and 11g R2: i.e. 10.x.x, 11x.x.
- 2 Includes support for Red Hat Enterprise Linux Advanced Workstation and Enterprise Server also.
- 3 Sharepoint Granular Recovery Extension is also supported.
- 4 Data Protector uses the official SAP backup and restore API (BR*Tools), which is available only in conjunction with Oracle database. Therefore, Data Protector support only depends on the SAP BR*Tools version (as supported by SAP in combination with various SAP kernels) and not on the SAP kernel version.
- 5 Baan users with Oracle, Informix, Microsoft SQL Server or Sybase databases can back up their application data by following the instructions for integrating Data Protector with their database in the *HP Data Protector 6.20 Integration Guide*.
- 6 BR*Tools 7.20 is the recommended version of the tools for Oracle 11g. To be able to use BR*Tools under Oracle 11g on Unix platforms (except for AIX), you must set up the following soft link in \$ORACLE_HOME/lib:
> ln -s libnnz11.so libnnz10.so
- 7 For MS SQL integration fast direct mode backup, AES encryption is not supported.
- 8 Support is available with the Data Protector patch bundle
DPUXBDL_00621/DPSOLBDL_00621/DPLNXBDL_00621/DPWINBDL_00621 on top of Data Protector 6.20
- 9 Support is available with the SSP: SSPLNX620_007
- 10 Microsoft FAST Search Server 2010 for SharePoint is supported.
- 11 Support is available with the SSP: SSPUX620_003
- 12 Support is available with the SSP: SSPUX620_006
- 13 Support is available with the SSP: SSPNT620_018
- 14 For Microsoft SQL Server 2012, Data Protector supports backup and recovery of standalone database(s). Backup and recovery of databases belonging to Availability Group are not supported.
- 15 MS SharePoint 2010 with Claims-Based Authentication is supported using the SSP SSPNT620_023. This support is also available with Sharepoint Granular Recovery Extension.
- 16 Support is also available for Microsoft SQL Server 2008 R2 Express edition. Please refer to Microsoft websites for supported Operating Systems/Platforms.
- 17 Support is available with the SSP: SSPUX620_016

Other supported applications

Application agents	Supported databases and integrations
HP Data Protector Open File Manager	<ul style="list-style-type: none"> HP Data Protector Open File Manager 9.x Windows XP¹ Windows Server 2003¹ Novell NetWare 6.5 HP Data Protector Open File Manager 10.02 Windows Server 2008 (x64)¹
Citrix MetaFrame ²	<ul style="list-style-type: none"> Citrix Meta Frame version 1.00 Service Pack 3 Windows Server 2003
HP Network Node Manager	<ul style="list-style-type: none"> HP Network Node Manager 7.01 HP-UX 11.11 Solaris 8, 9
HP File Migration Agent	<ul style="list-style-type: none"> FMA Client 2.x Windows Server 2003 Red Hat Enterprise Linux 3.0 SuSE Linux Enterprise Server 8 Windows Server 2008 (32-bit & 64-bit)³
HP FSE	<ul style="list-style-type: none"> FSE Client 3.4: Windows Server 2003 SuSE Linux Enterprise Server 8 FSE Server 3.4: Windows Server 2003 SuSE Linux Enterprise Server 8
All HSM software based on the Windows NTFS offline feature	Windows Server 2003 and higher
HP Operations Manager for	<ul style="list-style-type: none"> OM for Windows Management Server English:

Windows	<ul style="list-style-type: none"> OM for Windows 8.1x (32 bit) OM for Windows 9.0 (64 bit 2008 R2) OMW Managed Node (= Data Protector Cell Manager): on all Data Protector 6.20 Cell Manager platforms where OM Agent is available.
HP Operations Manager for Unix	<ul style="list-style-type: none"> OM for Unix Management Server English and Japanese: OM for Unix 8.1x, 8.2x, 8.3x including Service Navigator(English and Japanese) OM for Unix 9 including Service Navigator(English only) OMU Managed Node (= Data Protector Cell Manager): on all Data Protector 6.20 Cell Manager platforms where the OM Agent is available
HP Operations Manager for Linux	<ul style="list-style-type: none"> OM for Linux Management Server English: OM for Linux 9.0 including Service Navigator OML Managed Node (= Data Protector Cell Manager): on all Data Protector 6.20 Cell Manager platforms where the OM Agent is available

- 1 On these platforms it is recommended to use the built-in Microsoft VSS (Volume Shadow copy Service) instead of Open File Manager (OFM). VSS is seamlessly integrated with HP Data Protector to provide backup of open files. VSS can be enabled for Open File Backup in the HP Data Protector Filesystem Backup Specification under Advanced Filesystem Options in the "WinFS Options" tab by check marking "Use Shadow Copy". VSS based file system backup of open files is included as part of the HP Data Protector base products (Starter Packs, Single Server Editions) and it does not require either additional HP Data Protector licensing or the Data Protector VSS module. Open File Manager might interfere with VSS or other file system related applications, for example virus scanners.
- 2 If Citrix database is based on a Databases for which Data Protector online integration is supported, such 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 data which does not belong to the database, ordinary Disk Agent should be used. Data Protector Cell Manager and Citrix can co-exist on the same system.
- 3 Supported only for FMA Client 2.5.x.

Cluster support: all supported Data Protector components for a particular platform are also supported in a cluster environment, unless specifically mentioned.

Supported clusters		
Cluster software	Supported cluster software version	
HP MC/ServiceGuard (including Veritas CFS)	<ul style="list-style-type: none"> HP MC/ServiceGuard 11.1x: HP-UX 11.11 HP MC/ServiceGuard 11.1x: HP-UX 11.23, 11.31 (PA-RISC, Itanium) HP MC/ServiceGuard 11.2x:¹ HP-UX 11.31 (PA-RISC, Itanium) HP MC/ServiceGuard for Linux:² Red Hat Enterprise Linux 4.x, 5.x HP MC/ServiceGuard for Linux:² SuSE Linux Enterprise Server 8, 9, 10, 11 	
Microsoft Cluster Server	<ul style="list-style-type: none"> Microsoft Cluster Server⁶: Windows Server 2003 (32-bit) Windows Server 2003 (64-bit) (Itanium) Windows Server 2003 (64-bit) (x64) Microsoft Failover Cluster⁶: Windows Server 2008 (32-bit) Windows Server 2008 (64-bit) (Itanium) Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64) 	
Sun Cluster	<ul style="list-style-type: none"> Sun Cluster: Solaris 10 (SPARC) 	
Tru64 Cluster ³	<ul style="list-style-type: none"> TruCluster 5.x (Disk Agent, Oracle, SAP): Tru64 5.xx 	
Veritas Cluster Server	<ul style="list-style-type: none"> Veritas Cluster Server 1.3: (Disk Agent support only) Solaris 8 Veritas Cluster Server 2.0: (Disk Agent support only) Solaris 8 	

	<ul style="list-style-type: none"> Veritas Cluster Server 3.5: (Disk Agent support only) Veritas Cluster Server 4.0: (Disk Agent, Oracle) Veritas Cluster Server 4.1: (Disk Agent, Oracle) Veritas Cluster Server 4.3: (Disk Agent, Oracle, Exchange Server 2003) Veritas Cluster Server 5.0: (Cell Manager, Disk Agent, Oracle) Veritas Cluster Server 5.1: (Disk Agent and Cell Manager) 	<p>Solaris 8</p> <p>Solaris 8, 9</p> <p>Solaris 8, 9, 10</p> <p>Solaris 10 Windows Server 2003 (32-bit)</p> <p>Solaris 10 (SPARC) HP-UX 11.23 (Itanium, PA-RISC) HP-UX 11.31 (Itanium) Windows 2008 (32bit) Windows 2008 R2 (64bit)(x64) HP-UX 11.31 (Itanium) Red Hat Enterprise Linux 5.x, 6.0 (64bit)(x64) SuSE Linux Enterprise Server11(64bit)(x64)</p>
NetWare Cluster	<ul style="list-style-type: none"> NetWare Cluster Services 1.7: 	NetWare 6.5
Novell OES Cluster	<ul style="list-style-type: none"> Novell OES Cluster: Novell OES Cluster: (Disk Agent) 	<p>Novell OES2 (32-bit) for Linux</p> <p>Novell OES 2 (64-bit) for Linux</p> <p>Novell OES11 (64-bit) for Linux</p>
OpenVMS Cluster ⁴	<ul style="list-style-type: none"> OpenVMS Cluster (Disk Agent, Media Agent) 	
EFS Clustered Gateway	<ul style="list-style-type: none"> EFS Clustered Gateway (Disk Agent, Media Agent) 	<p>SuSE Linux Enterprise Server 9,10</p> <p>Windows Server 2003</p>
PolyServe Matrix Server ⁵	<ul style="list-style-type: none"> PolyServe Matrix Server 	<p>SuSE Linux Enterprise Server 9</p> <p>Red Hat Enterprise Linux 4</p> <p>Windows Server 2003</p>
HACMP	<ul style="list-style-type: none"> HACMP Cluster 	<p>AIX 5.3</p> <p>AIX 6.1</p>
Red Hat Cluster Suite	<ul style="list-style-type: none"> Red Hat Cluster 	<p>Red Hat Enterprise Linux 5.x (32-bit)</p> <p>Red Hat Enterprise Linux 5.x (x64)</p> <p>Red Hat Enterprise Linux 6.0,6.1, 6.2, 6.3 (x64)</p> <p>Red Hat Enterprise Linux 6.0, 6.1, 6.2 (32-bit)</p>
SuSE High Availability Storage Infrastructure	<ul style="list-style-type: none"> SuSE HA Storage Infrastructure 	<p>SuSE Linux Enterprise Server 11 (32-bit)</p> <p>SuSE Linux Enterprise Server 11 (x64)</p>
Life Keeper Cluster	<ul style="list-style-type: none"> Life Keeper Cluster 7.3, 8.1 (Disk Agent) 	Red Hat Enterprise Linux 6.x (x64)

- 1 For HP MC/ServiceGuard 11.20, cluster wide device special files (cDSFs) are supported with the Data Protector patch bundle DPUBDL_00621/DPSOLBDL_00621/DPLNXBDL_00621/DPWINBDL_00621 on top of Data Protector 6.20. Configuration of Data Protector using modular packages is not currently supported.
- 2 Procedures for installing and configuring Data Protector on MC/ServiceGuard with Linux are available in the *HP Data Protector online Help*. Zero Downtime Backup with SMIS Agent is not supported.
- 3 Procedures for installing and configuring Data Protector on Tru64 Cluster are available in the *HP Data Protector online Help*.
- 4 Details for installing and configuring Data Protector in OpenVMS cluster environment are available in *HP Data Protector 6.20 Installation and Licensing Guide*.
- 5 PolyServe Matrix Server does not provide any failover capabilities. Backups and restore must be done using a Disk Agent from any of the hosts accessing the server.
- 6 Includes support for Cell Manager on 'Majority Node Cluster'.

Supported application clusters

Software clusters and clustered applications	Supported versions and operating systems
Novell GroupWise	<ul style="list-style-type: none"> Novell GroupWise 6.x Novell NetWare 6.5 Novell GroupWise 7.0.x Novell OES 2.0 for Linux 32-bit and 64-bit Novell GroupWise 8.0 Novell OES 2.0 for Linux 32-bit and 64-bit Novell OES 11 for Linux 64-bit
Oracle 10g R2 RAC (including OCFS and CRS wherever applicable)	<ul style="list-style-type: none"> Red Hat Enterprise Linux 4.x, 5.x Red Hat Enterprise Linux 4.x, 5.x (Itanium, x64) SuSE Linux Enterprise Server 8, 9, 10 HP-UX 11.11, HP-UX 11.23, HP-UX 11.31 (with or without MC/ServiceGuard) Windows Server 2003 (using Microsoft Cluster) Windows Server 2003 (using Veritas Cluster Server) Solaris (SPARC) 9, 10 AIX 5.3, 6.x Oracle Enterprise Linux 4.x, 5.x
Oracle 11g RAC (including OCFS and CRS wherever applicable)	<ul style="list-style-type: none"> Red Hat Enterprise Linux 4.x, 5.x (using Redhat Cluster Suite) SuSE Linux Enterprise Server 9, 10, 11 HP-UX 11.23, HP-UX 11.31 (with or without MC/ServiceGuard) Windows Server 2003 (using Microsoft Cluster Server) Windows Server 2003 (using Veritas Cluster Server) Windows Server 2008 (using Microsoft Failover Cluster) Windows Server 2008 R2 (using Microsoft Failover Cluster) Windows Server 2008 (using Veritas Cluster Server) Windows Server 2008 R2 (using Veritas Cluster Server) Solaris (SPARC) 9, 10 AIX 5.3, 6.x Oracle Enterprise Linux 4.x, 5.x
Oracle 11g R2 RAC (including OCFS and CRS wherever applicable)	<ul style="list-style-type: none"> HP-UX 11.31 (with or without MC/ServiceGuard) Red Hat Enterprise Linux 4.x, 5.x (using Redhat Cluster Suite) Red Hat Enterprise Linux 6.2 (64bit) (x64) SuSE Linux Enterprise Server 10, 11 (32bit) (x86), (64bit) (x64) Oracle Enterprise Linux 5.x (64-bit) AIX 6.x (64-bit) Windows Server 2003 (using Microsoft Cluster Server) Windows Server 2008 (using Microsoft Failover Cluster) Windows Server 2008 R2 (using Microsoft Failover Cluster) Solaris (SPARC) 10 (64-bit)
IBM DB2 Partitioned Database ¹	<ul style="list-style-type: none"> HP-UX 11.23, 11.31 (Itanium) AIX 5.3, 6.x (64-bit) RHEL Advanced Server2 5.x (64-bit) (x64) SuSE Linux Enterprise Server 10, 11(64-bit) (x64) Windows Server 2003 (x64) Windows Server 2008 (64-bit)(x64) Windows Server 2008 R2 (64-bit)(x64)
Lotus Domino 8.5 Cluster	<ul style="list-style-type: none"> Windows 2008 (32-bit)

¹ DB2 partitioned databases support is currently limited to single host partitions.

Supported file systems

Operating system	File systems
Windows XP Professional, Windows Server 2003 ¹	<ul style="list-style-type: none"> NTFS 3.1 (including disk image backup of MBR disks only) FAT16, FAT32

	<ul style="list-style-type: none"> • CIFS
Windows Vista / Windows Server 2008	<ul style="list-style-type: none"> • NTFS 3.1(including disk image backup) • FAT16, FAT32 • CIFS
Windows 7 / Windows Server 2008 R2	<ul style="list-style-type: none"> • NTFS 3.1(including disk image backup) • FAT16, FAT32 • CIFS
Windows 8	<ul style="list-style-type: none"> • NTFS 3.1(including disk image backup) • FAT16, FAT32 • CIFS
Novell NetWare	<ul style="list-style-type: none"> • NetWare FS <p>supported namespaces: MAC, NFS, OS/2 (long namespace), DOS</p> <ul style="list-style-type: none"> • NSS
Novell Open Enterprise Server	<ul style="list-style-type: none"> • NSS
HP-UX ¹	<ul style="list-style-type: none"> • HFS (including rawdisk backup) • NFS • LOFS² (loopback file system) • VxFS (including rawdisk backup) • DCE DFS • EVFS (HP-UX 11.23 only as rawdisk backup) • NetApp Filer NFS⁵
Solaris ¹	<ul style="list-style-type: none"> • UFS • NFS • PC FS (MS DOS compatible file system) • HSFS • VxFS • Tmp FS • LOFS² (Loopback file system) • ZFS
IBM AIX ¹	<ul style="list-style-type: none"> • JFS (journaling file system) • JFS2 • GPFS • VxFS
SGI IRIX1	<ul style="list-style-type: none"> • EFS (extended file system) • XFS (IRIX journaling file system)
SCO OpenServer ¹	<ul style="list-style-type: none"> • HTFS (High Throughput file system) • DTFS • S51K • S52K
SCO Unixware ¹	<ul style="list-style-type: none"> • memfs • s5 • sfs (Note: ACLs are not backed up and restored) • ufs • bfs • vxfs (Note: ACLs are not backed up and restored)
Tru64 UNIX ¹	<ul style="list-style-type: none"> • UFS (UNIX file system) • AdvFS (Advanced file system)
Linux (Redhat, SuSE, Debian, Oracle Enterprise Linux, CentOS) ¹	<ul style="list-style-type: none"> • ext, ext2, ext3, ext4 • minix • xiafs • ReiserFS • VxFS • XFS³ • VFAT • SFS

	<ul style="list-style-type: none"> • NFS • GFS • GFS2 • OCFS2 • GPFS • ACFS • IBRIX (Extended attribute)⁵ • BtrFS⁶ • NetApp Filer NFS⁵
Open VMS	<ul style="list-style-type: none"> • ODS-2 • ODS-5
VMware ESX	<ul style="list-style-type: none"> • VMFS
Mac OS X Server	<ul style="list-style-type: none"> • HFS+ • UFS⁴

¹ Raw disk backup is supported. On Tru64, this is not true if LSM is present.

² Raw disk backup is not supported.

³ XFS is not supported on Red Hat Enterprise Linux, CentOS and OEL.

⁴ UFS is supported only on Mac OS X 10.4.x and 10.5.x

⁵ Support is available with the Data Protector patch bundle
DPUXBDL_00621/DPSOLBDL_00621/DPLNXBDL_00621/DPWINBDL_00621 on top of Data Protector 6.20

⁶ Support for BtrFS with SLES 11 is available with the Data Protector patch: PHSS_42856/DPLNX_00200/DPSOL_00494

ACL support

Operating system	File system	Number of ACL entries (basic/extended)
Windows XP Professional	NTFS	unlimited
Windows Server 2003	NTFS	unlimited
Windows Vista	NTFS	unlimited
Windows Server 2008	NTFS	unlimited
Windows 7	NTFS	unlimited
Windows Server 2008 R2	NTFS	unlimited
Windows 8	NTFS	unlimited
Novell NetWare	NetWare file system (Macintosh, NFS, OS/2, DOS) ¹	512
Novell NetWare	NSS	unlimited
HP-UX	HFS	3/16
HP-UX	VxFS	4/17 (1024) ²
OpenVMS	ODS-2, ODS-5	Not Applicable
Solaris	UFS, VxFS (3.5), ZFS	1024
Linux	XFS (SLES 9)	3/25
	ReiserFS (SLES 9)	3/8191
	ext3	3/512
	GFS	unlimited
	GFS2	unlimited
Tru64	UFS	3/unlimited
	AdvFS	3/65
Mac OS X	HFS+	unlimited

¹ Limited with Data Protector record size and SMS API.

² For HP-UX 11i v1 (11.11) maximum supported ACLs are 16
For HP-UX 11i v2 and 11i v3 maximum supported ACLs are 1024