



HPE Data Protector 7.0 Platform and Integration Support Matrix

Version: 4.6

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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.

Support for SLES 11 does not include support for Novell Open Enterprise Server 11.

Acronyms used within the matrix are as follows:

SUSE Linux Enterprise Server - SLES

Red Hat Enterprise Linux – RHEL

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

What's New

1. Support for Oracle 12c with AIX 6.1 and 7.1. See [Table 5](#).
2. Support for Lotus Domino/Notes 9.0.x with RHEL 6.x (64-bit) (x64). See [Table 5](#).

Table 1: Supported operating systems

Supported operating systems	
Data Protector component	Supported operating systems
Cell Manager	<ul style="list-style-type: none"> • Windows 7 (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) • Windows Server 2012 (64-bit) (x64)¹¹ • HP-UX (PA-RISC)⁶ 11.31^{2,3} • HP-UX (Itanium)⁶ 11.31^{2,3} • Red Hat Enterprise Linux (RHEL)⁴ 5.x, 6.0, 6.1, 6.2, 6.3 (64-bit) (x64) • SUSE Linux Enterprise Server 10, 11 (64-bit) (x64)
Installation Server	<ul style="list-style-type: none"> • Windows 7 (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) • Windows Server 2012 (64-bit) (x64)

	<ul style="list-style-type: none"> • HP-UX (PA-RISC)⁶ 11.31^{2,3} • HP-UX (Itanium)⁶ 11.31^{2,3} • Red Hat Enterprise Linux (RHEL)⁴ 5.x, 6.0, 6.1, 6.2, 6.3 (64-bit) (x64) • SUSE Linux Enterprise Server 10, 11 (64-bit) (x64)
Manager-of-Managers (MoM)	<ul style="list-style-type: none"> • Windows Server 2003 (64-bit) (x64) • Windows Server 2008(64-bit) (x64) • Windows Server 2008 R2 (64-bit) (x64) • HP-UX (PA-RISC)⁶ 11.31^{2,3} • HP-UX (Itanium)⁶ 11.31^{2,3} • Red Hat Enterprise Linux (RHEL)⁴ 5.x, 6.0, 6.1, 6.2, 6.3 (64-bit) (x64) • SUSE Linux Enterprise Server 10, 11 (64-bit) (x64)
Backup device server (Media Agent), including robotic control	<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) • Windows Server 2012 R2 (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) 9, 10, 11 • Sun Solaris 10, 11 (x86 and x64) • Linux (32-bit): Red Hat Enterprise Linux (RHEL)⁴ 5.x, 6.0, 6.1, 6.2, 6.3, 6.4 SUSE Linux Enterprise Server (SLES) 9, 10, 11 Oracle Linux (OL) 4.x, 5.x, 6.0, 6.1, 6.2, 6.3, 6.4 Debian Linux 5.0 CentOS 5.x, 6.0, 6.1, 6.2, 6.3, 6.4 • Linux (64-bit): Red Hat Enterprise Linux (RHEL)⁴ 5.x (Itanium, x64) Red Hat Enterprise Linux (RHEL)⁴ 6.0, 6.1, 6.2, 6.3, 6.4, 6.5 (x64) SUSE Linux Enterprise Server (SLES) 9, 10 and 11 (Itanium, x64) Oracle Linux (OL) 4.x, 5.x, 6.0, 6.1, 6.2, 6.3, 6.4, 6.5 (x64) Debian Linux 5.0 (Itanium, x64), 6.0 (x64) CentOS 5.x, 6.0, 6.1, 6.2, 6.3, 6.4, 6.5 (x64)
Backup device server (Media Agent), without robotic control	<p>The above list plus the following:</p> <ul style="list-style-type: none"> • IBM AIX 5.3, 6.x, 7.1 • SCO OpenServer 5.0.7
Backup agents (Disk Agents)	<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)¹² • Windows 7 (32-bit) • Windows Vista (64-bit) (x64)¹² • Windows 7 (64-bit) (x64)

- Windows 8 (32-bit)
- Windows 8 (64-bit)
- Windows 8.1 (64-bit) (x64)
- Windows Server 2003 (32-bit)¹²
- Windows Server 2003 (64-bit) (Itanium, x64)¹²
- Windows Server 2008 (32-bit)¹²
- Windows Server 2008 (64-bit) (Itanium, x64)¹²
- Windows Server 2008 R2 (64-bit)(x64, Itanium)
- Windows Server 2008 Core (32bit)¹²
- Windows Server 2008 Core (64-bit) (Itanium, x64)¹²
- Windows Server 2008 R2 Core (64-bit) (x64)
- Windows Small Business Server 2011 (64-bit) (x64)
- Windows Server 2012 (64-bit) (x64)
- Windows Server 2012 R2 (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, 11.1 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) 9, 10, 11⁹
- Sun Solaris 10, 11⁹ (x86, x64)
- IBM AIX 5.3, 6.x, 7.1⁷
- 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 10.5.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, 6.1, 6.2, 6.3, 6.4
SUSE Linux Enterprise Server (SLES) 9, 10, 11
Oracle Linux (OL) 4.x, 5.x, 6.0, 6.1, 6.2, 6.3, 6.4
Debian Linux 5.0, 6.0
CentOS 5.x, 6.0, 6.1, 6.2, 6.3, 6.4
- 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, 6.4, 6.5(x64)
SUSE Linux Enterprise Server (SLES) 9, 10 and 11 (Itanium, x64)
Oracle Linux (OL) 4.x, 5.x, 6.0, 6.1, 6.2, 6.3, 6.4, 6.5(x64)
Debian Linux 5.0 (Itanium), 6.0, 7.0 (x64)
CentOS 5.x, 6.0, 6.1, 6.2, 6.3, 6.4, 6.5(x64)
Ubuntu Linux 12.x (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 8.1 (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)
- Windows Server 2012 R2 (64-bit) (x64)
- HP-UX (PA-RISC) 11.11^{2,3}, 11.23^{2,3}, 11.31^{2,3}

	<ul style="list-style-type: none"> • HP-UX (Itanium) 11.23^{2,3}, 11.31^{2,3} • Linux (32-bit): Red Hat Enterprise Linux (RHEL)⁴ 5.x, 6.0, 6.1, 6.2, 6.3, 6.4 SUSE Linux Enterprise Server (SLES) 10, 11 • Linux (64-bit): Red Hat Enterprise Linux (RHEL)⁴ 5.x (Itanium, x64) Red Hat Enterprise Linux (RHEL)⁴ 6.0, 6.1, 6.2, 6.3, 6.4 (x64) SUSE Linux Enterprise Server (SLES) 9, 10 and 11 (Itanium, x64) Ubuntu Linux 12.x (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) • Windows Server 2012 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} • Linux (32-bit): Red Hat Enterprise Linux (RHEL)⁴ 5.x, 6.0, 6.1, 6.2, 6.3, 6.4 SUSE Linux Enterprise Server (SLES) 10, 11 Oracle Linux (OL) 6.0, 6.0, 6.1, 6.2, 6.3, 6.4 • Linux (64-bit): Red Hat Enterprise Linux (RHEL)⁴ 5.x (Itanium, x64) Red Hat Enterprise Linux (RHEL)⁴ 6.0, 6.1, 6.2, 6.3, 6.4, 6.5 (x64) SUSE Linux Enterprise Server (SLES) 10, 11 (Itanium, x64) Oracle Linux (OL) 6.0, 6.1, 6.2, 6.3, 6.4 (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) 9, 10 • Linux (32-bit): Red Hat Enterprise Linux (RHEL)⁴ 5.x SUSE Linux Enterprise Server (SLES) 9, 10 and 11 Oracle Linux (OL) 4.x, 5.x Debian Linux 5.0 • Linux (64-bit): Red Hat Enterprise Linux (RHEL)⁴ 5.x (Itanium, x64) SUSE Linux Enterprise Server (SLES) 9,10,11 (Itanium, x64) Oracle Linux (OL) 4.x, 5.x Debian Linux 5.0 (Itanium)
Data Protector StoreOnce B2D Software Store	<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.x, 11.x (x64)
StoreOnce Application Source and Backup Server Deduplication using Catalyst ^{8,10}	<ul style="list-style-type: none"> • Windows Server 2008 (64-bit) (x64) • Windows Server 2008 R2 (64-bit) (x64) • Windows Storage Server 2008 R2 (x64)

- Windows Server 2012 (64-bit) (x64)
- Windows Server 2012 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 Workstation and Enterprise Server if applicable.
- 5 VLS Automigration is currently only supported with VLS firmware 2.3.
- 6 Supported only on HP-UX (PA-RISC and Itanium) 64-bit.
- 7 Includes support for Veritas Cross-Platform Data Sharing (CDS) disk.
- 8 Supports StoreOnce software version 3.11.x and earlier. For information on the StoreOnce Backup systems and features supported by this StoreOnce software version, see the [Data Agile BURA Compatibility Matrix](#).
- 9 System Extended Attributes are not supported.
- 10 StoreOnce Federated Catalyst stores, Catalyst over Fibre Channel (CoFC), and IPv6 are not supported. Data Protector control of copy between backup appliances is only supported between StoreOnce Catalyst-enabled appliances. It is not supported between other HP disk backup appliances.
- 11 Cell Server is not supported on MS Cluster.
- 12 Requires installation of Windows patch KB2748349.

Table 2: Supported CLI platforms and localization

Supported CLI platforms and localization	
Operating system	Supported local languages
Windows	<ul style="list-style-type: none"> • English
HP-UX	<ul style="list-style-type: none"> • English
Solaris	<ul style="list-style-type: none"> • English
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 Server	<ul style="list-style-type: none"> • English

Table 3: Graphical user interface support

Graphical user interface support ¹	
GUI component	Supported operating system
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)

	<ul style="list-style-type: none"> • Windows 8 (32-bit) • Windows 8 (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) • Windows Server 2012 x64 (x64)
Java GUI Client ⁶	<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) 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.

6 Java GUI Client is available as part of Data Protector 7.00 release but it will not be supported. The Java GUI Client component will not be available in the forthcoming Data Protector releases.

Table 4: Platform restrictions for supported operating systems

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 10,11 Disk Agent and Media Agent only)
OpenVMS	Alpha, Itanium	
Mac OS X Server	x86	(Mac OS 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

Table 5: Supported online database and application integrations

Supported online database and application integrations		
Databases/Applications	Supported versions	Operating System with versions
Autonomy LiveVault ¹⁰	<ul style="list-style-type: none"> Autonomy LiveVault 7.52 	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) Windows Server 2008 Core (32bit) Windows Server 2008 Core (64-bit) (x64) Windows Server 2008 R2 Core (64-bit) (x64)
Autonomy Connector Framework Server	<ul style="list-style-type: none"> Autonomy Connector Framework Server 7.6 	Windows Server 2003 (32-bit) Windows Server 2008 R2 (64-bit)
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: 	Windows Server 2003 (32-bit) Windows Server 2008 (32-bit) Oracle Linux (OL) 4.x, 5.x (32-bit) Red Hat Enterprise Linux (RHEL) ² 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) Red Hat Enterprise Linux (RHEL) ² 4.x, 5.x (32-bit) SUSE Linux Enterprise Server 10, 11 (32-bit) Oracle Linux (OL) 4.x, 5.x (32-bit) Red Hat Enterprise Linux (RHEL) ² 4.x, 5.x (32-bit) SUSE Linux Enterprise Server 10, 11 (32-bit) Oracle Linux (OL) 4.x, 5.x (32-bit) Windows Server 2003 (32-bit) Windows Server 2008 (32-bit)
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: 	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) 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 7.32, 8.2, 8.3 (Alpha, Itanium) Tru64 5.xx Oracle Linux (OL) 4.x, 5.x (64-bit) Red Hat Enterprise Linux (RHEL) ² 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, 11.31 (64-bit) (Itanium, PA-RISC) Solaris (SPARC) 9, 10,11 (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 ² 4.x, 5.x (64-bit) (Itanium, x64) RHEL ² 6.0, 6.1, 6.2 (64-bit) (x64) SUSE Linux Enterprise Server 10, 11 (64-bit) (x64) Oracle Linux (OL) 4.x, 5.x (64-bit) (x64) HP-UX 11.31 (64-bit) (Itanium, PA-RISC)

Supported online database and application integrations

Databases/Applications	Supported versions	Operating System with versions
	<ul style="list-style-type: none"> Recovery Manager¹: 	RHEL ² 4.x, 5.x, 6.0, 6.1, 6.2, 6.3, 6.4 (64-bit) (x64) SUSE Linux Enterprise Server 10, 11 (64-bit) (x64) Oracle Linux (OL) 4.x, 5.x, 6.0, 6.1, 6.2, 6.3, 6.4 (64-bit) (x64) CentOS 6.4 (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, 7.1 (64-bit) Solaris (SPARC) 10, 11 ¹² (64-bit)
	<ul style="list-style-type: none"> Oracle 12c R1/ Recovery Manager 	HP-UX 11.31 (64-bit) (Itanium) Red Hat Enterprise Linux 6.6 (x64) SLES 11 (64-bit)(x64) CentOS 6.6 (64-bit)(x64) Oracle Linux (OL) 6.6 (x64) Windows Server 2008 R2 (64-bit) (x64) Solaris (SPARC) 11 (64-bit) AIX 6.1, 7.1 (64-bit)
Informix (32-bit)	<ul style="list-style-type: none"> Informix IDS 11.1, 11.5: Informix IDS 11.7: 	HP-UX 11.11 (32-bit, 64-bit) Solaris (SPARC) 9, 10 (32-bit, 64-bit) Windows Server 2003 (32-bit) Windows Server 2008 (32-bit) SUSE Linux Enterprise Server 10, 11 (32-bit) RHEL ² 5.x (32-bit) RHEL ² 5.6, 6.0, 6.1, 6.2 (32-bit) Windows Server 2003 (32-bit)
Informix (64-bit)	<ul style="list-style-type: none"> Informix IDS 11.1, 11.5: Informix IDS 11.7: Informix IDS 12.10: 	HP-UX 11.11 (64-bit) HP-UX 11.23, 11.31 (64-bit) (Itanium, PA-RISC) Solaris (SPARC) 9, 10 (64-bit) AIX 5.3, 6.x (64-bit) RHEL ² 4.x, 5.x (64-bit) (x64) SUSE Linux Enterprise Server 10, 11 (64-bit) (x64) Windows Server 2003 (x64) HP-UX 11.31 (64-bit)(Itanium, PA-RISC) Solaris (SPARC) 10 (64-bit) RHEL ² 6.0, 6.1, 6.2 (64-bit) (x64) SLES 11 (64-bit) (x64) Windows Server 2008 R2 (x64) AIX 6.1, 7.1 (64-bit) HP-UX 11.31 (64-bit)(Itanium)
Sybase (32-bit)	<ul style="list-style-type: none"> Sybase Adaptive Server Enterprise 15.x: 	Red Hat Enterprise Linux (RHEL) ² 5.x (32-bit) Windows Server 2003 R2 (32-bit)
Sybase (64-bit)	<ul style="list-style-type: none"> Sybase Adaptive Server Enterprise 15.x: Sybase Adaptive Server Enterprise 15.7: 	HP-UX 11.23, 11.31 (Itanium, PA-RISC) Solaris (SPARC) 9, 10 (64-bit) RHEL ² 5.x (64-bit) (x64) AIX 5.3, 6.x (64-bit) RHEL ² 6.0, 6.1, 6.2, 6.3, 6.4, 6.5 (64-bit) (x64) SUSE Linux Enterprise Server 11 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64) ¹¹ Solaris (SPARC) 10 (64-bit) AIX 7.1 (64-bit)
Microsoft SQL Server (32-bit)	<ul style="list-style-type: none"> Microsoft SQL Server 2000⁷: Microsoft SQL Server 2005⁷: Microsoft SQL Server 2008^{7,17}: 	Windows Server 2003 (32-bit) Windows Server 2003 (32-bit) Windows Server 2008 (32-bit) Windows Server 2003 (32-bit)

Supported online database and application integrations

Databases/Applications	Supported versions	Operating System with versions
	<ul style="list-style-type: none"> Microsoft SQL Server 2008 R2^{7,13,17}; Microsoft SQL Server 2012^{7,17}; 	Windows Server 2008 (32-bit) Windows Server 2003 (32-bit) Windows Server 2008 (32-bit) Windows Server 2008 (32-bit)
Microsoft SQL Server (64-bit)	<ul style="list-style-type: none"> Microsoft SQL Server 2000⁷; Microsoft SQL Server 2005^{5,7}; Microsoft SQL Server 2008^{7,17}; Microsoft SQL Server 2008 R2^{7,13,17}; Microsoft SQL Server 2012^{7,17}; Microsoft SQL Server 2014: 	Windows Server 2003 (64-bit) (Itanium) Windows Server 2003 (64-bit) (Itanium, x64) Windows Server 2008 (64-bit) (Itanium, x64) Windows Server 2003 (64-bit) (Itanium, x64) Windows Server 2008 (64-bit) (Itanium, x64) Windows Server 2008 R2 (64-bit) (Itanium, x64) Windows Server 2003 (64-bit) (Itanium, x64) 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 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64) Windows Server 2012 (64-bit) (x64) Windows Server 2012 R2 (x64)
Microsoft SharePoint	<ul style="list-style-type: none"> Microsoft SharePoint Portal Server 2003: Microsoft Office SharePoint Server 2007:³ Microsoft SharePoint Server 2010:³ Microsoft SharePoint Server 2013:³ Windows SharePoint Services 3.0: Microsoft SharePoint Foundation 2010: Microsoft SharePoint Foundation 2013: 	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) Windows Server 2008 R2 (64-bit) (x64) ⁸ Windows Server 2008 R2 (SP1) (x64) Windows Server 2012 (x64) 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) Windows Server 2008 R2 (SP1) (x64) Windows Server 2012 (x64)
Microsoft Exchange Server (including single mailbox and single folder restore)	<ul style="list-style-type: none"> Microsoft Exchange Server 2003: Microsoft Exchange Server 2007: Microsoft Exchange Server 2010: 	Windows Server 2003 (32-bit) Windows Server 2003 (64-bit) (x64) Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64)
Microsoft Exchange Server (including single mailbox and folder and DAG backup / restore)	<ul style="list-style-type: none"> Microsoft Exchange Server 2010: 	Windows Server 2008 ⁹ (64-bit) (x64) Windows Server 2008 R2 ⁹ (64-bit) (x64) Windows Small Business Server 2011 (64-bit) (x64) Windows Server 2012 ^{9, 14, 15} (64-bit) (x64)
Microsoft Data Protection Manager (DPM)	<ul style="list-style-type: none"> Data Protection Manager 2007: Data Protection Manager 2010: 	Windows Server 2003 (x64) Windows Server 2003 (x64) Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64)
IBM DB2 (32-bit)	<ul style="list-style-type: none"> IBM DB2 UDB 9.1: 	RHEL ² 4.x, 5.x (32-bit) SLES 8, 9, 10, 11 (32-bit) Windows Server 2003 (32-bit)

Supported online database and application integrations

Databases/Applications	Supported versions	Operating System with versions
	<ul style="list-style-type: none"> IBM DB2 UDB 9.5: IBM DB2 UDB 9.7: IBM DB2 10.1, 10.5: 	<p>AIX 5.3, 6.x (32-bit, 64-bit)</p> <p>RHEL² 5.x (32-bit)</p> <p>SLES 10, 11 (32-bit)</p> <p>Windows Server 2003 (32-bit)</p> <p>Windows Server 2008 (32-bit)</p> <p>AIX 5.3, 6.x (32-bit, 64-bit)</p> <p>RHEL² 5.x, 6.0 (32-bit)</p> <p>SLES 10, 11 (32-bit)</p> <p>Windows Server 2003 (32-bit)</p> <p>Windows Server 2008 (32-bit)</p> <p>AIX 5.3, 6.x (32-bit, 64-bit)</p> <p>RHEL 6.x (32-bit)</p> <p>SLES 10, 11 (32-bit)</p>
IBM DB2 (64-bit)	<ul style="list-style-type: none"> IBM DB2 UDB 9.1: IBM DB2 UDB 9.5: IBM DB2 UDB 9.7: IBM DB2 10.1, 10.5¹: 	<p>HP-UX 11.11 (64-bit)</p> <p>HP-UX 11.23, 11.31 (Itanium, PA-RISC)</p> <p>AIX 5.3, 6.x (64-bit)</p> <p>RHEL² 4.x (64-bit) (x64)</p> <p>SLES 9, 10,11 (64-bit) (x64)</p> <p>Windows Server 2003 (x64)</p> <p>HP-UX 11.23, 11.31 (Itanium)</p> <p>AIX 5.3, 6.x (64-bit)</p> <p>RHEL² 5.x (64-bit) (x64)</p> <p>SLES 10, 11(64-bit) (x64)</p> <p>Windows Server 2003 (x64)</p> <p>Windows Server 2008 (64-bit)(x64)</p> <p>Windows Server 2008 R2 (64-bit)(x64)</p> <p>HP-UX 11.23, 11.31 (Itanium)</p> <p>AIX 5.3, 6.x, 7.1 (64-bit)</p> <p>RHEL² 5.x, 6.0 (64-bit) (x64)</p> <p>SLES 10, 11(64-bit) (x64)</p> <p>Windows Server 2003 (x64)</p> <p>Windows Server 2008 (64-bit)(x64)</p> <p>Windows Server 2008 R2 (64-bit)(x64)</p> <p>HP-UX 11.31 (Itanium)</p> <p>AIX 7.1 (64-bit)</p> <p>RHEL 6.0, 6.1, 6.2, 6.3, 6.4 (64-bit) (x64)</p> <p>SLES 10, 11 (64-bit) (x64)</p> <p>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 Lotus Domino/Notes 9.0.x 	<p>Windows Server 2003 (32-bit)</p> <p>Windows Server 2003 (64-bit)(x64)</p> <p>AIX 5.3 (64-bit)</p> <p>Windows Server 2003 (32-bit)</p> <p>Windows Server 2008 (32-bit)</p> <p>AIX 5.3, 6.x (64-bit)</p> <p>Solaris 10 (SPARC)</p> <p>Windows Server 2003 (32-bit)</p> <p>Windows Server 2008 (64-bit) (x64)</p> <p>Windows Server 2008 R2 (64-bit) (x64)</p> <p>AIX 5.3, 6.x (64-bit)</p> <p>Solaris 10 (SPARC)</p> <p>RHEL² 5.x (32-bit)</p> <p>RHEL² 5.x, 6.0, 6.1, 6.2 (64-bit) (x64)</p> <p>SLES 10 (64-bit) (x64)</p> <p>RHEL 6.x (64-bit) (x64)</p>
Lotus Notes, Lotus Domino (64-bit) (including single mailbox backup and	<ul style="list-style-type: none"> Lotus Domino/Notes 8.0.x 	<p>Windows Server 2003 (64-bit)(x64)</p>

Supported online database and application integrations

Databases/Applications	Supported versions	Operating System with versions
restore)	<ul style="list-style-type: none"> Lotus Domino/Notes 8.5.x IBM Notes and Domino 9.0.x 	<p>Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64) AIX 5.3, 6.x (64-bit) Solaris 10 (SPARC)</p> <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, 7.1(64-bit) Solaris 10 (SPARC)</p> <p>Windows Server 2012 (64-bit) (x64) AIX 7.1 (64-bit) RHEL 6.3 (64-bit) (x64) SUSE Linux Enterprise Server 11 (64-bit) (x64)</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) SLES 9, 10 (32-bit)</p> <p>Red Hat Enterprise Linux (RHEL)² 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)</p> <p>Red Hat Enterprise Linux (RHEL)² 4.x, 5.x (32-bit) Windows Server 2008 (32bit)</p>
SAPDB / MaxDB (64-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: MaxDB version 7.9 	<p>HP-UX 11.11 (64-bit) HP-UX 11.23, 11.31 (PA-RISC, Itanium) Windows Server 2003 (64-bit) (Itanium, x64) SLES 9, 10 (64-bit) (Itanium, x64) RHEL² 4.x, 5.x (64-bit) (Itanium, x64) AIX 6.1 (x64)</p> <p>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) SLES 9, 10, 11 (64-bit) (Itanium, x64) RHEL² 4.x (64-bit) (Itanium, x64) RHEL² 5.x (64-bit) (x64) AIX 6.1, 7.1(64bit)</p> <p>Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64) RHEL 6.0, 6.1, 6.2, 6.3 (x64) SLES 11 (64-bit) (x64) HP-UX 11. 31 (Itanium) AIX 6.1, 7.1(64bit)</p> <p>Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64) RHEL 6.0, 6.1, 6.2, 6.3 (x64) SLES 11 (64-bit) (x64) HP-UX 11. 31 (Itanium) AIX 6.1, 7.1(64bit)</p>
SAP NetWeaver ⁴ (32-bit)	<ul style="list-style-type: none"> SAP BR*Tools 7.0, using backint or RMAN mode: SAP BR*Tools 7.1, using backint or RMAN mode: SAP BR*Tools 7.2, using 	<p>Windows Server 2003 (32-bit) SLES 8, 9, 10, 11 RHEL² 4.x, 5.x</p> <p>Windows Server 2003 (32-bit) SLES 10, 11 RHEL² 5.x</p> <p>RHEL² 5.x, 6.0, 6.1, 6.2</p>

Supported online database and application integrations

Databases/Applications	Supported versions	Operating System with versions
	backint or RMAN mode:	SLES 11
SAP NetWeaver ⁴ (64-bit)	<ul style="list-style-type: none"> SAP BR*Tools 7.0, using backint or RMAN mode: SAP BR*Tools 7.1, using backint or RMAN mode: SAP BR*Tools 7.2, using backint or RMAN mode:⁶ 	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 ² 4.x, 5.x (Itanium, x64) SLES 9, 10, 11 (64-bit) (Itanium, x64) 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) Red Hat Enterprise Linux (RHEL) ² 4.x, 5.x (Itanium, x64) SLES 9, 10, 11 (64-bit) (Itanium, x64) 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, 11 AIX 6.x, 7.1 (64-bit) RHEL ² 5.x (Itanium, x64) RHEL ² 6.0, 6.1, 6.2, 6.3 (64-bit) (x64) SLES 11(64-bit) (Itanium, x64) Oracle Linux (OL) 6.0, 6.1, 6.2, 6.3 (64-bit) (x64)
SAP HANA (64-bit) ¹⁶	<ul style="list-style-type: none"> SAP HANA 	SLES 11 (64-bit) (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, 11.x.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 *HPE Data Protector 7.00 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 libnzz11.so libnzz10.so
```

⁷ For MS SQL integration fast direct mode backup, Data Protector client based AES encryption is not supported.

⁸ Microsoft FAST Search Server for SharePoint 2010 is supported.

⁹ Microsoft Exchange Server Granular Recovery Extension is also supported.

¹⁰ The Autonomy LiveVault Agent supports only Windows File System backup.

¹¹ Supported with patch bundle 7.0.3.

¹³ Support is also available for Microsoft SQL Server 2008 R2 Express edition. Please refer to Microsoft websites for supported Operating Systems/Platforms.

¹⁴ Microsoft Exchange Server Granular Recovery Extension is supported with SSPNT700_033.

¹⁵ Supported on Windows 2012 only with Exchange Server 2010 SP3

¹⁶ SAP HANA is supported with following patches: SSPNT700_035, SSPLNX700_019, SSPUX700_018.

¹⁷ HPE Data Protector can backup and restore SQL Server databases encrypted with Transparent Data Encryption.

IMPORTANT NOTE: It is the user's responsibility that the exact combination of encryption keys / certificates are used for backup and for restore.

If encryption keys / certificates change between the time of backup and restore, the HPE Data Protector restore will not work, unless all needed keys / certificates were copied and restored manually as described in <http://msdn.microsoft.com/en-us/library/bb964742.aspx> and supported through Microsoft. This process is complex and could be error prone. The key / certificate handling process is manual and not integrated into HPE Data Protector and is therefore not supported by HPE in case it is not correctly applied by the user.

Table 6: Other supported applications

Other supported applications		
Application agents	Supported databases and integrations	
HPE Data Protector Open File Manager	<ul style="list-style-type: none"> HPE Data Protector Open File Manager 9.x HPE Data Protector Open File Manager 10.02 	Windows XP ¹ Windows Server 2003 ¹ Novell NetWare 6.5 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
HPE Network Node Manager	<ul style="list-style-type: none"> HPE Network Node Manager 7.01 	HP-UX 11.11 Solaris 9
HPE File Migration Agent	<ul style="list-style-type: none"> FMA Client 2.x 	Windows Server 2003 RHEL 3.0 SLES 8 Windows Server 2008 (32-bit & 64-bit) ³
HPE FSE	<ul style="list-style-type: none"> FSE Client 3.4: FSE Server 3.4: 	Windows Server 2003 SLES 8 Windows Server 2003 SLES 8
All HSM software based on the Windows NTFS offline feature		Windows Server 2003 and higher
HPE Operations Manager for Windows	<ul style="list-style-type: none"> OM for Windows Management Server English: 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 7.00 Cell Manager platforms where OM Agent is available. 	
HPE 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 7.00 Cell Manager platforms where the OM Agent is available 	
HPE 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 7.00 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 HPE Data Protector to provide backup of open files. VSS can be enabled for Open File Backup in the HPE 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 HPE Data Protector base products (Starter Packs, Single Server Editions) and it does not require either additional HPE 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.

Table 7: Supported clusters

Supported clusters		
Cluster software	Supported cluster software version	
HPE MC/ServiceGuard (including Veritas CFS)	<ul style="list-style-type: none"> HPE MC/ServiceGuard 11.1x: HPE MC/ServiceGuard 11.1x: HPE MC/ServiceGuard 11.2x:¹ HPE MC/ServiceGuard for Linux:^{2,8} HP MC/ServiceGuard for Linux:^{2,8} 	<p>HP-UX 11.11</p> <p>HP-UX 11.23, 11.31 (PA-RISC, Itanium)</p> <p>HP-UX 11.31 (PA-RISC, Itanium)</p> <p>Red Hat Enterprise Linux 4.x, 5.x</p> <p>SUSE Linux Enterprise Server 8, 9, 10, 11</p>
Microsoft Cluster Server	<ul style="list-style-type: none"> Microsoft Cluster Server⁶: Microsoft Failover Cluster⁶: 	<p>Windows Server 2003 (32-bit)</p> <p>Windows Server 2003 (64-bit) (Itanium)</p> <p>Windows Server 2003 (64-bit) (x64)</p> <p>Windows Server 2008 (32-bit)</p> <p>Windows Server 2008 (64-bit) (Itanium)</p> <p>Windows Server 2008 (64-bit) (x64)</p> <p>Windows Server 2008 R2 (64-bit) (x64)</p> <p>Windows Server 2012⁷ (64-bit) (x64)</p>
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 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 9</p> <p>Solaris 9, 10</p> <p>Solaris 10</p> <p>Windows Server 2003 (32-bit)</p> <p>Solaris 10 (SPARC)</p> <p>HP-UX 11.23 (Itanium, PA-RISC)</p> <p>HP-UX 11.31 (Itanium)</p> <p>Windows 2008 (32bit)</p> <p>Windows 2008 R2 (64bit)(x64)</p> <p>HP-UX 11.31 (Itanium)</p> <p>RHEL 5.x, 6.0 (64-bit) (x64)</p> <p>SLES 11(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 5x (32-bit)</p> <p>Red Hat Enterprise Linux 5x (x64)</p> <p>RHEL 6.0, 6.1, 6.2, 6.3 (x64)</p> <p>RHEL 6.0, 6.1, 6.2, 6.3 (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>

Supported clusters

Cluster software	Supported cluster software version	
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 HPE MC/ServiceGuard 11.20, cluster wide device special files (cDSFs) are supported..
- 2 Procedures for installing and configuring Data Protector on MC/ServiceGuard with Linux are available in the *HPE Data Protector 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 *HPE Data Protector Help*.
- 4 Details for installing and configuring Data Protector in OpenVMS cluster environment are available in *HPE Data Protector 7.00 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'.
- 7 Cell Manager is not supported.
- 8 With HPE MC/ServiceGuard A.11.20.20 and higher version on Linux the CONFIGURATION backup needs to be excluded from the backup specification. BMDR is not supported.

Table 8: Supported application clusters

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 GroupWise 7.0.x Novell GroupWise 8.0 <p>Novell NetWare 6.5 Novell OES 2.0 for Linux 32-bit and 64-bit Novell OES 2.0 for Linux 32-bit and 64-bit Novell OES 11 for Linux 64-bit</p>
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 Linux (OL) 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 Red Hat 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 Linux (OL) 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 Red Hat Cluster Suite) Red Hat Enterprise Linux 6.2 (64bit) (x64) SUSE Linux Enterprise Server 10, 11 (32bit) (x86), (64bit) (x64) Oracle Linux (OL) 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)

Supported application clusters	
Software clusters and clustered applications	Supported versions and operating systems
IBM DB2 Partitioned Database ¹	<ul style="list-style-type: none"> • Solaris (SPARC) 10 (64-bit) • HP-UX 11.23, 11.31 (Itanium) • AIX 5.3, 6.x (64-bit) • Red Hat Enterprise Linux (RHEL)² 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.

Table 9: Supported file systems

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 • 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 / Windows Server 2012	<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 NFS
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

Supported file systems	
Operating system	File systems
SGI IRIX ¹	<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 (Red Hat, SUSE, Debian, Oracle Linux, CentOS) ¹	<ul style="list-style-type: none"> ext, ext2, ext3, ext4 minix xiafs ReiserFS VxFS XFS³ VFAT SFS NFS GFS GFS2 OCFS2 GPFS ACFS IBRIX (Extended attribute) NetApp Filer NFS
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 OL.

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

Table 10: ACL support

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

ACL support		
Operating system	File system	Number of ACL entries (basic/extended)
Windows Server 2012	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 Server	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