



# HP Data Protector A.06.1x

## Platform and integration support matrix

Version: 5.3

Date: August 2012

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 R2 and Windows Storage Server 2003 R2 including Windows Unified Data Storage Server where applicable.

The supported operating system “Windows Server 2008” includes support for all editions of Windows Server 2008 including Windows Storage Server where applicable.

The supported operating system “Windows Server 2008 R2” includes support for all editions of Windows Server 2008 R2 including Windows Storage Server where applicable.

### Supported operating systems

Data Protector component	Supported operating systems
Cell Manager	<ul style="list-style-type: none"> <li>Windows XP Professional (32-bit)</li> <li>Windows 2000</li> <li>Windows Server 2003 (32-bit)</li> <li>Windows Server 2003 (64-bit) (x64)</li> <li>Windows Server 2008 (32-bit)</li> <li>Windows Server 2008 (64-bit) (x64)</li> <li>Windows Server 2008 R2<sup>5</sup> (64-bit) (x64)</li> <li>HP-UX (PA-RISC)<sup>11</sup> 11.11<sup>2,3</sup>, 11.23<sup>2,3</sup>, 11.31<sup>2,3</sup></li> <li>HP-UX (Itanium) 11.23<sup>2,3</sup>, 11.31<sup>2,3</sup></li> <li>Solaris (SPARC) 8, 9, 10</li> <li>Red Hat Enterprise Linux (RHEL)<sup>4</sup> 4.x, 5.x, 6.0, 6.1 (64-bit) (x64)</li> <li>SuSE Linux Enterprise Server 9, 10, 11 (64-bit) (x64)</li> </ul>
Installation Server	<ul style="list-style-type: none"> <li>Windows XP Professional (32-bit)</li> <li>Windows 2000</li> <li>Windows Server 2003 (32-bit)</li> <li>Windows Server 2003 (64-bit) (x64)</li> <li>Windows Server 2008 (64-bit) (x64)</li> <li>Windows Server 2008 R2<sup>5</sup> (64-bit) (x64)</li> <li>HP-UX (PA-RISC) 11.11<sup>2,3</sup>, 11.23<sup>2,3</sup>, 11.31<sup>2,3</sup></li> <li>HP-UX (Itanium) 11.23<sup>2,3</sup>, 11.31<sup>2,3</sup></li> <li>Solaris (SPARC) 8, 9, 10</li> <li>Red Hat Enterprise Linux (RHEL)<sup>4</sup> 4.x, 5.x, 6.0, 6.1 (64-bit) (x64)</li> <li>SuSE Linux Enterprise Server 9, 10, 11 (64-bit) (x64)</li> </ul>
Manager-of-Managers (MoM)	<ul style="list-style-type: none"> <li>Windows 2000</li> <li>Windows XP Professional (32-bit)</li> </ul>

	<ul style="list-style-type: none"> <li>• Windows Server 2003 (32-bit)</li> <li>• Windows Server 2003 (64-bit) (x64)</li> <li>• Windows Server 2008 (64-bit) (x64)</li> <li>• Windows Server 2008 R2 <sup>5</sup> (64-bit) (x64)</li> <li>• HP-UX (PA-RISC) 11.11<sup>2,3</sup>, 11.23<sup>2,3</sup>, 11.31<sup>2,3</sup></li> <li>• Solaris (SPARC) 8, 9, 10</li> <li>• HP-UX (Itanium) 11.23<sup>2,3</sup>, 11.31<sup>2,3</sup></li> <li>• Red Hat Enterprise Linux (RHEL) <sup>4</sup> 4.x, 5.x, 6.0, 6.1 (64-bit) (x64)</li> <li>• SuSE Linux Enterprise Server 9, 10, 11 (64-bit) (x64)</li> </ul>
Backup device server (Media Agent), including robotic control	<ul style="list-style-type: none"> <li>• Windows 2000</li> <li>• Windows XP Professional (32-bit)</li> <li>• Windows XP (64-bit) (Itanium, x64)</li> <li>• Windows Vista (32-bit)</li> <li>• Windows Vista (64-bit) (x64)</li> <li>• Windows 7 (32-bit)</li> <li>• Windows 7 (64-bit) (x64)</li> <li>• Windows Server 2003 (32-bit)</li> <li>• Windows Server 2003 (64-bit) (Itanium, x64)</li> <li>• Windows Server 2008 (32-bit)</li> <li>• Windows Server 2008 (64-bit) (Itanium, x64)</li> <li>• Windows Server 2008 R2 <sup>5</sup> (64-bit) (Itanium, x64)</li> <li>• Windows Server 2008 Core (32 bit, 64-bit) (Itanium, x64)</li> <li>• Novell NetWare 6.5<sup>1</sup></li> <li>• Novell Open Enterprise Server for Linux 1.0</li> <li>• Novell Open Enterprise Server for Linux 2.0 (32-bit) and (64-bit)<sup>9</sup></li> <li>• Novell Open Enterprise Server 11.0 for Linux (64-bit)</li> <li>• HP-UX (PA-RISC) 11.11<sup>2,3</sup>, 11.23<sup>2,3</sup>, 11.31<sup>2,3</sup></li> <li>• HP-UX (Itanium) 11.23<sup>2,3</sup>, 11.31<sup>2,3</sup></li> <li>• Tru64 5.xx</li> <li>• OpenVMS 7.3-2<sup>1</sup>, 8.2<sup>1</sup>, 8.2-1<sup>1</sup>, 8.3<sup>1</sup>, 8.4<sup>1</sup> (Alpha)</li> <li>• OpenVMS 8.2-1<sup>1</sup>, 8.3<sup>1</sup>, 8.3-1H1<sup>1</sup>, 8.4<sup>1</sup> (Itanium)</li> <li>• MPE/iX 6.5<sup>1</sup>, 7.0<sup>1</sup>, 7.5<sup>1</sup></li> <li>• Sun Solaris (SPARC) 8, 9, 10<sup>10</sup></li> <li>• Sun Solaris 10 (x86 and x64)</li> <li>• Linux (32-bit): Red Hat Enterprise Linux (RHEL) <sup>4</sup> 2.1<sup>8</sup>, 3.x, 4.x, 5.x, 6.0, 6.1, 6.2 SuSE Linux Enterprise Server (SLES) 8, 9, 10, 11 Oracle Enterprise Linux 4.x, 5.x, 6.0 United Linux 1.0 Debian Linux 4.0, 5.0, 6.0 CentOS 3.8, 5.x</li> <li>• Linux (64-bit): Red Hat Enterprise Linux (RHEL) <sup>4</sup> 2.1<sup>8</sup>, 3.x (Itanium) Red Hat Enterprise Linux (RHEL) <sup>4</sup> 4.x, 5.x (Itanium, x64) Red Hat Enterprise Linux (RHEL) <sup>4</sup> 6.0, 6.1, 6.2 (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 United Linux 1.0 (Itanium) Debian Linux 4.0, 5.0 (Itanium, x64), 6.0 (x64) CentOS 5.2, 5.x (x64)</li> </ul>
Backup device server (Media Agent), without robotic control	<p>The above list plus the following:</p> <ul style="list-style-type: none"> <li>• IBM AIX 5.x, 6.x, 7.1<sup>12</sup></li> <li>• SNI Sinix 5.4.5</li> <li>• SCO OpenServer 6.x</li> </ul>

Backup agents (Disk Agents)

- Windows 2000
- Windows XP Home Edition<sup>1</sup>
- Windows XP Professional (32 bit)
- Windows XP Professional (64-bit) (Itanium, x64)
- Windows Vista (32-bit)
- Windows 7 (32-bit)
- Windows Vista (64-bit) (x64)
- 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)(x64, Itanium)<sup>5</sup>
- Windows Server 2008 Core (32bit)
- Windows Server 2008 Core (64-bit) (Itanium, x64)
- Windows Server 2008 R2 Core (64bit) (x64)
- Novell NetWare 6.5<sup>1</sup>
- Novell Open Enterprise Server 1.0 for Linux
- Novell Open Enterprise Server 2.0 for Linux (32-bit) and (64-bit)<sup>6</sup>
- Novell Open Enterprise Server 11.0 for Linux (64-bit)
- HP-UX (PA-RISC) 11.11<sup>2,3</sup>, 11.23<sup>2,3</sup>, 11.31<sup>2,3</sup>
- HP-UX (Itanium) 11.23<sup>2,3</sup>, 11.31<sup>2,3</sup>
- MPE/iX 6.5<sup>1</sup>, 7.0<sup>1</sup>, 7.5<sup>1</sup>
- Sun Solaris (SPARC) 8, 9, 10
- Sun Solaris (x86, x64) 10
- IBM AIX<sup>13</sup> 5.x, 6.x, 7.1<sup>12</sup>
- SGI IRIX 6.5
- SNI Sinix<sup>7</sup> 5.4.5
- SCO OpenServer 6.x
- SCO UnixWare 7.x
- Tru64 5.xx
- Open VMS 7.3-2<sup>1</sup>, 8.2<sup>1</sup>, 8.2-1<sup>1</sup>, 8.3<sup>1</sup>, 8.4<sup>1</sup> (Alpha)
- OpenVMS 8.2<sup>1</sup>, 8.2-1<sup>1</sup>, 8.3<sup>1</sup>, 8.3-1H1<sup>1</sup>, 8.4<sup>1</sup> (Itanium)
- Linux (32-bit): Red Hat Enterprise Linux (RHEL)<sup>4</sup> 2.1<sup>8</sup>, 3.x, 4.x, 5.x, 6.0, 6.1<sup>12</sup>, 6.2  
SuSE Linux Enterprise Server (SLES) 8, 9, 10, 11  
Oracle Enterprise Linux 4.x, 5.x, 6.0<sup>12</sup>  
United Linux 1.0  
Debian Linux 4.0, 5.0<sup>5</sup>  
CentOS 3.8, CentOS 5.x
- Linux (64-bit): Red Hat Enterprise Linux (RHEL)<sup>4</sup> 2.1<sup>8</sup> (Itanium), 3.x (Itanium)  
Red Hat Enterprise Linux (RHEL)<sup>4</sup> 4.x, 5.x (Itanium, x64)  
Red Hat Enterprise Linux (RHEL)<sup>4</sup> 6.0, 6.1<sup>12</sup>, 6.2 (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<sup>12</sup> (x64)  
United Linux 1.0 (Itanium)  
Debian Linux 4.0, 5.0<sup>5</sup> (Itanium)  
CentOS 5.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 2000
- Windows XP Professional (32-bit)
- Windows Vista (32-bit)
- Windows Vista (64-bit) (x64)
- Windows Server 2003 (32-bit)

	<ul style="list-style-type: none"> <li>• Windows Server 2003 (64-bit) (Itanium, x64)</li> <li>• Windows Server 2008 (32-bit)</li> <li>• Windows Server 2008 (64-bit) (Itanium, x64)</li> <li>• Windows Server 2008 R2 <sup>5</sup> (64-bit) (Itanium, x64)</li> <li>• HP-UX (PA-RISC) 11.11 <sup>2,3</sup>, 11.23 <sup>2,3</sup>, 11.31<sup>2,3</sup></li> <li>• HP-UX (Itanium) 11.23 <sup>2,3</sup>, 11.31<sup>2,3</sup></li> <li>• Sun Solaris (SPARC) 8, 9, 10</li> <li>• Linux (32-bit): Red Hat Enterprise Linux (RHEL) <sup>4</sup> 2.1<sup>8</sup>, 3.x, 4.x, 5.x, 6.0 SuSE Linux Enterprise Server (SLES) 10, 11 <sup>5</sup></li> <li>• Linux (64-bit): Red Hat Enterprise Linux (RHEL) <sup>4</sup> 2.1<sup>8</sup> (Itanium), 3.x (Itanium) Red Hat Enterprise Linux (RHEL) <sup>4</sup> 4.x, 5.x (Itanium, x64) Red Hat Enterprise Linux (RHEL) <sup>4</sup> 6.0 (x64) SuSE Linux Enterprise Server (SLES) 8 (Itanium) SuSE Linux Enterprise Server (SLES) 9, 10 and 11 <sup>5</sup> (Itanium, x64)</li> </ul>
Backup device server (Media Agent), including robotic control using LTO drive based encryption (AES-GCM)	<ul style="list-style-type: none"> <li>• Windows 2000</li> <li>• Windows XP Professional (32-bit)</li> <li>• Windows XP Professional (64-bit) (Itanium, x64)</li> <li>• Windows Vista (32-bit)</li> <li>• Windows Vista (64-bit) (x64)</li> <li>• Windows Server 2003 (32-bit)</li> <li>• Windows Server 2003 (64-bit) (Itanium, x64)</li> <li>• Windows Server 2008 (32-bit)</li> <li>• Windows Server 2008 (64-bit) (Itanium, x64)</li> <li>• Windows Server 2008 R2 (64-bit) (Itanium, x64)</li> <li>• HP-UX (PA-RISC) 11.11<sup>2,3</sup>, 11.23<sup>2,3</sup>, 11.31<sup>2,3</sup></li> <li>• HP-UX (Itanium) 11.23<sup>2,3</sup>, 11.31<sup>2,3</sup></li> <li>• Linux (32-bit): Red Hat Enterprise Linux (RHEL) <sup>4</sup> 4.x, 5.x, 6.0, 6.1, 6.2 SuSE Linux Enterprise Server (SLES) 10, 11 <sup>5</sup> Oracle Enterprise Linux 6.0</li> <li>• Linux (64-bit): Red Hat Enterprise Linux (RHEL) <sup>4</sup> 4.x, 5.x (Itanium, x64) 6.0, 6.1, 6.2 (x64) SuSE Linux Enterprise Server (SLES) 10, 11<sup>5</sup> (Itanium, x64) Oracle Enterprise Linux 6.0</li> </ul>
Backup device server (Media Agent), including robotic control for HP VLS Automigration <sup>7</sup>	<ul style="list-style-type: none"> <li>• Windows 2000</li> <li>• Windows XP Professional (32-bit)</li> <li>• Windows XP (64-bit) (Itanium, x64)</li> <li>• Windows Vista (32-bit)</li> <li>• Windows Vista (64-bit) (x64)</li> <li>• Windows 7 (32-bit)</li> <li>• Windows 7 (64-bit) (x64)</li> <li>• Windows Server 2003 (32-bit)</li> <li>• Windows Server 2003 (64-bit) (Itanium, x64)</li> <li>• Windows Server 2008 (32-bit)</li> <li>• Windows Server 2008 (64-bit) (Itanium, x64)</li> <li>• Windows Server 2008 Core (32 bit, 64-bit) (Itanium, x64)</li> <li>• Windows Server 2008 R2 (64-bit) (Itanium, x64)</li> <li>• HP-UX (PA-RISC) 11.23<sup>2,3</sup>, 11.31<sup>2,3</sup></li> <li>• HP-UX (Itanium) 11.23<sup>2,3</sup>, 11.31<sup>2,3</sup></li> <li>• Sun Solaris (SPARC) 8, 9, 10</li> <li>• Linux (32-bit): Red Hat Enterprise Linux (RHEL) <sup>4</sup> 2.1<sup>8</sup>, 3.x, 4.x, 5.x SuSE Linux Enterprise Server (SLES) 8, 9, 10 and 11 <sup>5</sup> Oracle Enterprise Linux 4.x, 5.x United Linux 1.0 Debian Linux 4.0, 5.0</li> <li>• Linux (64-bit): Red Hat Enterprise Linux (RHEL) <sup>4</sup> 2.1<sup>8</sup>, 3.x (Itanium)</li> </ul>

Red Hat Enterprise Linux (RHEL) <sup>4</sup> 4.x, 5.x (Itanium,x64)  
 SuSE Linux Enterprise Server (SLES) 8 (Itanium)  
 SuSE Linux Enterprise Server (SLES) 9, 10, 11 <sup>5</sup> (Itanium, x64)  
 Oracle Enterprise Linux 4.x, 5.x  
 United Linux 1.0 (Itanium)  
 Debian Linux 4.0 (Itanium), 5.0(Itanium)

- 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 Supported with Data Protector 6.11 only
- 6 Supported with DP 6.10 with following site specific patches: SSPOL610\_002/SSPLNX610\_003/SSPUX610\_004.  
 Supported with DP6.11 with following patches: DPWIN\_00441/PHSS\_40476/PHSS\_40477/DPLNX\_00100/DPSOL\_00394
- 7 VLS Automigration is currently only supported with VLS firmware 2.3.
- 8 Supported with Data Protector 6.10 only.
- 9 This feature is supported with following patches:  
 DPWIN\_00442/PHSS\_40478/PHSS\_40479/DPLNX\_00101/DPSOL\_00395
- 10 Supported with DP6.11 with following patches: PHSS\_41459/PHSS\_41460/DPLNX\_00137/DPSOL\_00431
- 11 Supported only on HP-UX (PA-RISC) 64-bit.
- 12 Supported with the following patches: PHSS\_42704/PHSS\_42705/DPSOL\_00484/DPLNX\_00190.
- 13 Actively populated directories backup support is available with SSP: SSPUX611\_044

## Graphical user interface support

GUI component	Supported operating system
Native Windows graphical user interface	<ul style="list-style-type: none"> <li>• Windows XP Home Edition<sup>1</sup></li> <li>• Windows XP Professional (32-bit)</li> <li>• Windows XP Professional (64-bit) (Itanium, x64)</li> <li>• Windows Vista (32-bit)</li> <li>• Windows Vista (64-bit) (x64)</li> <li>• Windows 7 (64-bit) (x64)<sup>5</sup></li> <li>• Windows 7 (32-bit) <sup>5</sup></li> <li>• Windows 2000</li> <li>• Windows Server 2003 (32-bit)</li> <li>• Windows Server 2003 (64-bit) (Itanium, x64)</li> <li>• Windows Server 2008 (32-bit)</li> <li>• Windows Server 2008, Windows Server 2008 R2 <sup>5</sup> (64-bit) (Itanium, x64)</li> </ul>
Java GUI Client	<ul style="list-style-type: none"> <li>• Windows XP Professional (32-bit)</li> <li>• Windows Vista (32-bit)</li> <li>• Windows Vista (64-bit) (x64)</li> <li>• Windows 2000</li> <li>• Windows Server 2003 (32-bit)</li> <li>• Windows Server 2003 (64-bit) (x64)</li> <li>• Windows Server 2008 (32-bit)</li> <li>• Windows Server 2008 (64-bit) (x64)</li> <li>• HP-UX (PA-RISC) – 11.11<sup>2,3</sup>, 11.23<sup>2,3</sup>, 11.31<sup>2,3</sup></li> <li>• HP-UX (Itanium) – 11.23<sup>2,3</sup>, 11.31<sup>2,3</sup></li> <li>• Solaris (SPARC) 8, 9, 10</li> <li>• Red Hat Enterprise Linux (RHEL) <sup>4</sup> 4.x, 5.x, 6.1</li> <li>• SuSE Linux Enterprise Server<sup>5</sup> 9, 10 and 11</li> </ul>

- 1 Push installation not possible, must 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 Supported with Data Protector 6.11

Platform restrictions for supported operating systems		
Operating system	Supported processor platforms	
HP-UX	PA-RISC Itanium	(HP-UX 11.11, 11.23, 11.31) (HP-UX 11.23, 11.31)
Windows	x86, x86_64 Itanium, x86_64	(for 32-bit Windows) (for 64-bit Windows)
Linux	x86, x86_64 Itanium, x86_64	(for 32-bit Linux) (for 64-bit Linux)
Sun Solaris	SPARC x86, x86_64	(for Solaris 10 Disk Agent and Media Agent only)
OpenVMS	Alpha, Itanium	

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 ZDB<sup>18</sup>.

Supported online database and application integrations		
Databases	Supported versions	
Oracle (32-bit) (including Oracle Data Guard/Standby Database support for Oracle 9i, 10g and 11g)	<ul style="list-style-type: none"> <li>• Oracle 9i/ Recovery Manager<sup>1</sup>:</li> <li>• Oracle 10g and 10g R2/ Recovery Manager<sup>1</sup>:</li> <li>• Oracle 11g/ Recovery Manager<sup>1</sup>:</li> <li>• Oracle 11g R2/ Recovery Manager<sup>1</sup>:</li> </ul>	Solaris (SPARC) 8, 9 (32-bit, 64-bit) RHEL Advanced Server <sup>2</sup> 2.1 <sup>9</sup> , 3.0, 4.x SuSE Linux Enterprise Server 8, 9 United Linux 1.0 Windows 2000, Windows Server 2003 (32-bit) Windows 2000, Windows Server 2003 (32-bit) Windows Server 2008 (32-bit) <sup>8</sup> Oracle Enterprise Linux 4.x, 5.x (32-bit) RHEL Advanced Server <sup>2</sup> 2.1 <sup>9</sup> , 3.0, 4.x, 5.x SuSE Linux Enterprise Server 8, 9, 10, 11  Windows 2000, Windows Server 2003 (32-bit) Windows Server 2008 (32-bit) <sup>8</sup> RHEL Advanced Server <sup>2</sup> 4.x, 5.x SuSE Linux Enterprise Server 10, 11 <sup>8</sup> Oracle Enterprise Linux 4.x, 5.x (32-bit) RHEL Advanced Server <sup>2,10</sup> 4.x, 5.x, 6.0 (32-bit) SuSE Linux Enterprise Server 10, 11 (32-bit) <sup>10</sup> Oracle Enterprise Linux 4.x, 5.x (32-bit) <sup>10</sup> Windows Server 2003 (32-bit) <sup>10</sup> Windows Server 2008 (32-bit) <sup>10</sup>
Oracle (64-bit) (Including Oracle Data Guard/Standby Database support for Oracle 9i, 10g and 11g)	<ul style="list-style-type: none"> <li>• Oracle 9i/ Recovery Manager<sup>1</sup>:</li> </ul>	HP-UX 11.11 (64-bit) HP-UX 11.23, 11.31 (64-bit) (Itanium, PA-RISC) Solaris (SPARC) 8, 9, 10 (64-bit) Windows Server 2003 (64-bit) (Itanium) AIX 5.x (64-bit) Tru64 5.xx

	<ul style="list-style-type: none"> <li>Oracle 10g and 10g R2/ Recovery Manager<sup>1</sup>:</li> </ul>	<p>RHEL Advanced Server<sup>2</sup> 2.1<sup>9</sup>, 3.0 (64-bit) (Itanium)  RHEL Advanced Server<sup>2</sup> 4.x (64-bit) (Itanium, x64)  SuSE Linux Enterprise Server 8 (64-bit) (Itanium)  SuSE Linux Enterprise Server 9 (64-bit) (Itanium, x64)  United Linux 1.0 (64-bit) (Itanium)  OpenVMS 7.3-2, 8.x (Alpha)  HP-UX 11.11 (64-bit)  HP-UX 11.23 (64-bit) (Itanium, PA-RISC)  HP-UX 11.31<sup>32</sup> (64-bit) (Itanium, PA-RISC)  Oracle Enterprise Linux 4.x, 5.x (64-bit)  Solaris (SPARC) 8, 9, 10 (64-bit)  Solaris (Intel) 10 (64-bit) (x64)<sup>10, 15</sup>  Windows Server 2003 (64-bit) (Itanium, x64)  Windows Server 2008 (64-bit) (x64)<sup>8</sup>  Windows Server 2008 R2 (64-bit) (x64)<sup>8</sup>  AIX 5.x, 6.x (64-bit)  OpenVMS 7.3-2, 8.x (Alpha, Itanium)  Tru64 5.xx</p>
	<ul style="list-style-type: none"> <li>Oracle 11g/ Recovery Manager<sup>1</sup>:</li> </ul>	<p>RHEL Advanced Server<sup>2</sup> 2.1<sup>9</sup>, 3.0 (64-bit) (Itanium)  RHEL Advanced Server<sup>2</sup> 4.x (64-bit) (Itanium, x64)  RHEL Advanced Server<sup>2</sup> 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 (64-bit) (x64)  SuSE Linux Enterprise Server 11 (64-bit) (x64)<sup>10</sup>  United Linux 1.0 (64-bit) (Itanium)  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 (Intel) 10 (64-bit) (x64)<sup>10</sup>  Windows Server 2003 (64-bit) (Itanium, x64)  Windows Server 2008 (64-bit) (x64)<sup>8</sup>  Windows Server 2008 R2 (64-bit) (x64)<sup>8</sup>  AIX 5.x, 6.x (64-bit)</p>
	<ul style="list-style-type: none"> <li>Oracle 11g R2/ Recovery Manager<sup>1</sup>:</li> </ul>	<p>RHEL Advanced Server<sup>2</sup> 4.x (64-bit) (Itanium, x64)  RHEL Advanced Server<sup>2</sup> 5.x (64-bit) (Itanium, x64)  SuSE Linux Enterprise Server 10, 11<sup>8</sup> (64-bit) (x64)  Oracle Enterprise Linux 4.x, 5.x (64-bit) (x64)  HP-UX 11.31 (64-bit) (Itanium, PA-RISC)<sup>10</sup>  RHEL Advanced Server<sup>2,10</sup> 4.x, 5.x, 6.0 (64-bit) (x64)  SuSE Linux Enterprise Server<sup>10</sup> 10, 11 (64-bit) (x64)  Oracle Enterprise Linux<sup>10</sup> 4.x, 5.x (64-bit) (x64)  Windows Server 2003 (64-bit) (x64)<sup>10</sup>  Windows Server 2008 (64-bit) (x64)<sup>10</sup>  Windows Server 2008 R2 (64-bit) (x64)<sup>10</sup>  AIX<sup>10</sup> 5.3, 6.x, 7.1<sup>28</sup> (64-bit)  Solaris (SPARC) 10 (64-bit)<sup>10</sup>  Solaris (Intel) 10 (64-bit) (x64)<sup>10</sup></p>
Informix (32-bit)	<ul style="list-style-type: none"> <li>Informix 7.31:</li> <li>Informix IDS 9.40:</li> </ul>	<p>HP-UX 11.11 (32-bit, 64-bit)  Solaris (SPARC) 8 (32-bit, 64-bit)  Windows 2000  HP-UX 11.11 (32-bit, 64-bit)</p>

	<ul style="list-style-type: none"> <li>• Informix IDS 10:</li> <li>• Informix IDS 11.1 &amp; 11.5:</li> <li>• Informix IDS 11.7<sup>30</sup>:</li> </ul>	<p>Solaris (SPARC) 8, 9 (32-bit, 64-bit)  Windows 2000, Server 2003 (32-bit)  HP-UX 11.11 (32-bit, 64-bit)  Solaris (SPARC) 8, 9 (32-bit, 64-bit)  Windows 2000, Server 2003 (32-bit)  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)<sup>8</sup>  SuSE Linux Enterprise Server 10, 11 (32-bit)  RHEL Advanced Server 5.4 (32-bit)  RHEL Advanced Server 5.x, 6.0 (32-bit)  Windows Server 2003 (32-bit)</p>
Informix (64-bit)	<ul style="list-style-type: none"> <li>• Informix 7.31:</li> <li>• Informix IDS 9.40:</li> <li>• Informix IDS 10:</li> <li>• Informix IDS 11.1 &amp; 11.5:</li> <li>• Informix IDS 11.7<sup>30</sup>:</li> </ul>	<p>HP-UX 11.11 (64-bit)  Solaris (SPARC) 8 (64-bit)  HP-UX 11.11 (64-bit)  HP-UX 11.23 (64-bit) (Itanium, PA-RISC)  Solaris (SPARC) 8, 9 (64-bit)  Tru64 5.xx  AIX 5.x (64-bit)  HP-UX 11.11 (64-bit)  HP-UX 11.23, 11.31 (64-bit) (Itanium, PA-RISC)  Solaris (SPARC) 8, 9, 10(64-bit)  Tru64 5.xx  AIX 5.x, 6.x (64-bit)  RHEL Advanced Server 4.x (64-bit) (x64)  SuSE Linux Enterprise Server 9 (64-bit) (x64)  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.x, 6.x, 7.1<sup>28</sup> (64-bit)  RHEL Advanced Server 4.x, 5.x (64-bit) (x64)  SuSE Linux Enterprise Server 10, 11 (64-bit) (x64)  Windows Server 2003 (x64)<sup>8</sup>  HP-UX 11.31 (64-bit) (Itanium, PA-RISC)  RHEL Advanced Server<sup>31</sup>5.x, 6.0 (64-bit) (x64)  SuSE Linux Enterprise Server 11 (64-bit) (x64)  Windows Server 2008 (x64)  Solaris (SPARC) 10 (64-bit)  AIX 6.1, 7.1<sup>28</sup> (64-bit)</p>
Sybase (32-bit)	<ul style="list-style-type: none"> <li>• Sybase Adaptive Server Enterprise 12.5.x:</li> <li>• Sybase Adaptive Server Enterprise 15.0.x</li> <li>• Sybase Adaptive Server Enterprise 15.5</li> </ul>	<p>HP-UX 11.11 (32-bit, 64-bit)  Solaris 8 (32-bit, 64-bit)  Windows 2000  SuSE Linux Enterprise Server 11 (32-bit)<sup>11</sup>  SuSE Linux Enterprise Server 11 (32-bit)<sup>11</sup>  RHEL Advanced Server 5.4 (32-bit)<sup>11</sup>  Windows Server 2003 R2(32bit)</p>
Sybase (64-bit)	<ul style="list-style-type: none"> <li>• Sybase Adaptive Server Enterprise 12.5.x:</li> </ul>	<p>HP-UX 11.11 (64-bit)  HP-UX 11.23 (Itanium)</p>



	<ul style="list-style-type: none"> <li>• Sybase Adaptive Server Enterprise 15.0.x:</li> <li>• Sybase Adaptive Server Enterprise 15.5:</li> <li>• Sybase Adaptive Server Enterprise 15.7:</li> </ul>	<p>Solaris (SPARC) 8,9, 10 (64-bit)  AIX 5.x, 6.x<sup>11</sup> (64-bit)  HP-UX 11.23, 11.31 (Itanium, PA-RISC)  Solaris (SPARC) 8, 9, 10 (64-bit)  AIX 5.x (64-bit)<sup>8</sup>  RHEL Advanced Server 4.x, 5.x (64-bit)(x64)<sup>11</sup>  SuSE Linux Enterprise Server 11 (64-bit) (x64)<sup>11</sup>  RHEL Advanced Server 4.x, 5.x (64-bit)<sup>11</sup>  HP-UX 11.31 (Itanium<sup>29</sup>, PA-RISC)  Solaris (SPARC) 10 (64-bit)  AIX 5.x, 6.x (64-bit)<sup>11</sup>  RHEL Advanced Server 5.7, 6.0, 6.1 (64-bit)(x64)<sup>11</sup>  SuSE Linux Enterprise Server 11 (64-bit) (x64)<sup>11</sup>  AIX 7.1<sup>28</sup> (64-bit)</p>
Microsoft SQL Server (32-bit)	<ul style="list-style-type: none"> <li>• Microsoft SQL Server 7.0:</li> <li>• Microsoft SQL Server 2000:</li> <li>• Microsoft SQL Server 2005:</li> <li>• Microsoft SQL Server 2008<sup>7</sup>:</li> <li>• Microsoft SQL Server 2008 R2<sup>7</sup>:</li> </ul>	<p>Windows 2000  Windows 2000  Windows Server 2003 (32-bit)  Windows 2000  Windows Server 2003 (32-bit)  Windows Server 2008 (32-bit)  Windows Server 2003 (32-bit)  Windows Server 2008 (32-bit)  Windows Server 2003 (32-bit)  Windows Server 2008 (32bit)</p>
Microsoft SQL Server (64-bit)	<ul style="list-style-type: none"> <li>• Microsoft SQL Server 2000:</li> <li>• Microsoft SQL Server 2005<sup>6</sup>:</li> <li>• Microsoft SQL Server 2008<sup>7, 17</sup>:</li> <li>• Microsoft SQL Server 2008 R2<sup>7, 17</sup>:</li> </ul>	<p>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 (64bit) (Itanium, x64)  Windows Server 2008 R2 (64bit) (Itanium, x64)</p>
Microsoft SharePoint	<ul style="list-style-type: none"> <li>• Microsoft SharePoint Portal Server 2003:</li> <li>• Microsoft Office SharePoint Server 2007<sup>16</sup>:</li> <li>• Microsoft SharePoint Server 2010<sup>16</sup>:</li> </ul>	<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 R2 (64-bit) (x64)  Windows Server 2008 (64-bit) (X64)  Windows Server 2008 R2 (64-bit) (x64)</p>
Microsoft Exchange Server (including single mailbox <sup>23</sup> and single folder restore)	<ul style="list-style-type: none"> <li>• Microsoft Exchange Server 2000:</li> <li>• Microsoft Exchange Server 2003:</li> <li>• Microsoft Exchange Server 2007<sup>12</sup>:</li> </ul>	<p>Windows 2000  Windows 2000 SP3  Windows Server 2003 (32-bit)  Windows Server 2003 (64-bit) (x64)  Windows Server 2008 (64-bit) (x64)  Windows Server 2008 R2 (64-bit) (x64)</p>
Microsoft Exchange Server (including single mailbox <sup>23</sup> and DAG backup /restore)	<ul style="list-style-type: none"> <li>• Microsoft Exchange Server 2010<sup>12</sup>:</li> </ul>	<p>Windows Server 2008 (64-bit) (x64)  Windows Server 2008 R2 (64-bit)(x64)</p>
Microsoft Data Protection Manager (DPM)	<ul style="list-style-type: none"> <li>• DPM 2006:</li> <li>• DPM 2007<sup>13</sup>:</li> <li>• DPM 2010<sup>13</sup>:</li> </ul>	<p>Windows Server 2003 (x64)  Windows Server 2003 (x64)  Windows Server 2008 (x64)</p>

		Windows Server 2008 R2 (x64)
IBM DB2 (32-bit)	<ul style="list-style-type: none"> <li>IBM DB2 UDB 8.1<sup>9</sup>:</li> <li>IBM DB2 UDB 8.2<sup>9</sup>:</li> <li>IBM DB2 UDB 9.1:</li> <li>IBM DB2 UDB 9.5:</li> <li>IBM DB2 UDB 9.7:</li> </ul>	<p>HP-UX 11.11 (32-bit, 64-bit)<sup>3</sup>  AIX 5.2, 5.3 (32-bit, 64-bit)  RHEL Advanced Server<sup>2</sup> 2.1<sup>9</sup>, 3.0, 4.x (32-bit)<sup>3</sup>  SuSE Linux Enterprise Server 8, 9 (32-bit)<sup>3</sup>  Windows 2000, Server 2003 (32-bit)<sup>25</sup></p> <p>RHEL Advanced Server<sup>2</sup> 2.1<sup>9</sup>, 3.0, 4.x (32-bit)<sup>3</sup>  SuSE Linux Enterprise Server 8, 9 (32-bit)<sup>3</sup>  Windows 2000, Server 2003 (32-bit)<sup>25</sup></p> <p>RHEL Advanced Server<sup>2</sup> 3.0, 4.x, 5.x (32-bit)<sup>3</sup>  SuSE Linux Enterprise Server 8, 9, 10, 11 (32-bit)<sup>3</sup>  Windows 2000, Server 2003 (32-bit)<sup>3</sup>  AIX 5.x, 6.x (32-bit, 64-bit)</p> <p>RHEL Advanced Server<sup>2</sup> 5.x (32-bit)<sup>3</sup>  SuSE Linux Enterprise Server 10, 11 (32-bit)<sup>3</sup>  Windows Server 2003 (32-bit)<sup>3</sup>  Windows Server 2008 (32-bit)<sup>3, 8</sup>  AIX 5.x, 6.x (32-bit, 64-bit)</p> <p>Windows Server 2003 (32-bit)<sup>3, 8</sup>  Windows Server 2008 (32-bit)<sup>3, 8</sup>  SuSE Linux Enterprise Server 10, 11 (32-bit)<sup>3</sup>  RHEL Advanced Server<sup>2</sup> 4.x, 5.x (32-bit)<sup>3</sup></p>
IBM DB2 (64-bit)	<ul style="list-style-type: none"> <li>IBM DB2 UDB 8.1:</li> <li>IBM DB2 UDB 8.2:</li> <li>IBM DB2 UDB 9.1:</li> <li>IBM DB2 UDB 9.5:</li> <li>IBM DB2 UDB 9.7:</li> </ul>	<p>HP-UX 11.11 (64-bit)<sup>3</sup>  AIX 5.2, 5.3 (64-bit)</p> <p>HP-UX 11.11 (64-bit), 11.23 (Itanium)<sup>3</sup>  AIX 5.2, 5.3 (64-bit)</p> <p>HP-UX 11.11 (64-bit)<sup>3</sup>  HP-UX 11.23, 11.31 (Itanium, PA-RISC)<sup>3</sup>  AIX 5.x, 6.x (64-bit)  RHEL Advanced Server<sup>2</sup> 4.x (64-bit) (x64)<sup>3</sup>  SuSE Linux Enterprise Server 9, 10, 11 (64-bit) (x64)<sup>3</sup>  Windows Server 2003 (x64)<sup>3</sup></p> <p>HP-UX 11.23, 11.31 (Itanium)<sup>3</sup>  AIX 5.x, 6.x (64-bit)  RHEL Advanced Server<sup>2</sup> 5.x (64-bit) (x64)<sup>3</sup>  SuSE Linux Enterprise Server 10, 11 (64-bit) (x64)<sup>3</sup>  Windows Server 2003 (x64)<sup>3</sup>  Windows Server 2008 (64-bit)(x64)<sup>3, 8</sup>  Windows Server 2008 R2 (64-bit)(x64)<sup>3, 8</sup></p> <p>Windows Server 2003 (64-bit)(x64)<sup>3, 8</sup>  Windows Server 2008 (64-bit) x64)<sup>3, 8</sup>  RHEL Advanced Server<sup>2</sup> 4.x, 5.x (64-bit) (x64)<sup>3, 8</sup>  SuSE Linux Enterprise Server 10, 11 (64-bit) (x64)<sup>3, 8</sup>  AIX 5.x, AIX 6.x, 7.1<sup>28</sup> (64-bit)<sup>8</sup>  HP-UX 11.23, 11.31 (Itanium)<sup>15, 3</sup></p>
Lotus Notes, Lotus Domino (32-bit) (including single mailbox backup and restore)	<ul style="list-style-type: none"> <li>Lotus Domino/Notes 6.5.x:</li> </ul>	<p>Solaris 8 (SPARC)  Windows 2000, Windows Server 2003 (32-bit)  AIX 5.x (64-bit)</p>

	<ul style="list-style-type: none"> <li>• Lotus Domino/Notes 7.0.x</li> <li>• Lotus Domino/Notes 8.0.x</li> <li>• Lotus Domino/Notes 8.5.x</li> </ul>	<p>Windows Server 2003 (32-bit) Windows Server 2003 (64-bit)(x64) AIX 5.x (64-bit)</p> <p>Windows Server 2003 (32-bit) AIX 5.x, 6.x (64-bit) Solaris 10 (SPARC)</p> <p>Windows Server 2003 (32-bit) Windows Server 2008 (64-bit) (x64)<sup>8</sup> Windows Server 2008 R2<sup>33</sup> (64-bit) (x64)<sup>8</sup> RHEL Advanced Server<sup>2</sup> 5.1 (32-bit)<sup>27</sup> RHEL Advanced Server<sup>2</sup> 5.7 (32-bit)<sup>27</sup> RHEL Advanced Server<sup>2</sup> 5.4 (64-bit) (x64)<sup>27</sup> SuSE Linux Enterprise Server 10 (32-bit)<sup>27</sup> SuSE Linux Enterprise Server 10 (64-bit) (x64)<sup>27</sup> Aix 5.3 (64-bit)</p>
Lotus Notes, Lotus Domino (64-bit) (including single mailbox backup and restore) <sup>8</sup>	<ul style="list-style-type: none"> <li>• Lotus Domino/Notes 8.0.x</li> <li>• Lotus Domino/Notes 8.5.x</li> </ul>	<p>Windows Server 2003 (64-bit)(x64) Windows Server 2003 (64-bit)(x64) Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2<sup>33</sup> (64-bit) (x64) Aix 5.3, 6.1(64-bit)<sup>27</sup></p>
SAPDB / MaxDB (32-bit) (online integration based on 'Backint for SAPDB / MaxDB')	<ul style="list-style-type: none"> <li>• SAPDB version 7.4x:</li> <li>• MaxDB version 7.5:</li> <li>• MaxDB version 7.6:</li> <li>• MaxDB version 7.7:</li> <li>• MaxDB version 7.8:</li> </ul>	<p>Windows 2000, Server 2003 (32-bit) RHEL Advanced Server<sup>2</sup> 2.1<sup>9</sup>, 3.0 (32-bit) SuSE Linux Enterprise Server 8 (32-bit) HP-UX 11.11 (32-bit)</p> <p>Windows 2000, Server 2003 (32-bit) SuSE Linux Enterprise Server 8, 9 (32-bit) RHEL Advanced Server<sup>2</sup> 2.1<sup>9</sup>, 3.0 (32-bit) HP-UX 11.11 (32-bit)</p> <p>Windows Server 2003 (32-bit) SuSE Linux Enterprise Server 9, 10 (32-bit) RHEL Advanced Server<sup>2</sup> 4.x, 5.x (32-bit) HP-UX 11.11 (32-bit)</p> <p>Windows Server 2003 (32-bit) SuSE Linux Enterprise Server 9, 10 (32-bit) RHEL Advanced Server<sup>2</sup> 4.x, 5.x (32-bit) Windows Server 2008 (32-bit)<sup>19</sup></p> <p>SuSE Linux Enterprise Server 11(32 bit)<sup>26</sup> Red Hat Enterprise Linux 5.x, 6.0 (32bit)<sup>26</sup> Windows Server 2003 (32-bit) Windows Server 2008 (32-bit)<sup>19</sup></p>
SAPDB / MaxDB (64-bit) (online integration based on 'Backint for SAPDB / MaxDB')	<ul style="list-style-type: none"> <li>• SAPDB version 7.4x:</li> <li>• MaxDB version 7.5:</li> <li>• MaxDB version 7.6:</li> <li>• MaxDB version 7.7:</li> </ul>	<p>HP-UX 11.11 (64-bit) HP-UX 11.11 (64-bit) HP-UX 11.23 (PA-RISC, Itanium) HP-UX 11.11 (32-bit, 64-bit) HP-UX 11.23, 11.31 (PA-RISC, Itanium) Windows Server 2003 (64-bit) (Itanium, x64) SuSE Linux Enterprise Server 9 (64-bit) (Itanium, x64) SuSE Linux Enterprise Server 10 (64-bit) (Itanium, x64) RHEL Advanced Server<sup>2</sup> 4.x (64-bit) (Itanium, x64) RHEL Advanced Server<sup>2</sup> 5.x (64-bit) (Itanium, 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)</p>

		Windows Server 2008 (64-bit) (Itanium, x64) <sup>8</sup> Windows Server 2008 R2 (64-bit) (Itanium,x64) <sup>8</sup> SuSE Linux Enterprise Server 9, 10, 11 (64-bit) (Itanium, x64) RHEL Advanced Server <sup>2</sup> 4.x (64-bit) (Itanium, x64) RHEL Advanced Server <sup>2</sup> 5.x (64-bit) (x64) HP-UX 11. 31 (PA-RISC, Itanium) <sup>26</sup> Red Hat Enterprise Linux 5.x, 6.0 (x64) <sup>26</sup> SuSE Linux Enterprise Server 11 (64-bit) (x64) <sup>26</sup> Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64) SuSE Linux Enterprise Server 11 (64-bit) (x64) <sup>26</sup> Red Hat Enterprise Linux 6.0, 6.1, 6.2 (x64) <sup>26</sup> Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64)
	<ul style="list-style-type: none"> <li>MaxDB version 7.8:</li> <li>MaxDB version 7.9:</li> </ul>	
SAP <sup>4</sup> Netweaver (32-bit)	<ul style="list-style-type: none"> <li>SAP R/3 4.5, using RMAN mode:</li> <li>SAP R/3 4.5, using backint mode:</li> <li>SAP R/3 4.6x, using RMAN mode:</li> <li>SAP R/3 4.6x, using backint mode</li> <li>SAP 4.7, using backint or RMAN mode:</li> <li>SAP BR*Tools 6.10, using backint or RMAN mode:</li> <li>SAP BR*Tools 6.20, using backint or RMAN mode:</li> <li>SAP BR*Tools 6.40, using backint or RMAN mode:</li> <li>SAP BR*Tools 7.0, using backint or RMAN mode:</li> <li>SAP BR*Tools 7.1, using backint or RMAN mode:</li> <li>SAP BR*Tools 7.2<sup>21</sup>, using backint or RMAN mode:</li> </ul>	Windows 2000 Solaris (SPARC) 8 (32-bit, 64-bit) HP-UX 11.11 (32-bit, 64-bit) Windows 2000 Solaris (SPARC) 8 (32-bit, 64-bit) HP-UX 11.11 (32-bit, 64-bit) AIX 5.2 Solaris (SPARC) 8 (32-bit, 64-bit) Windows 2000 Windows 2000, Windows Server 2003 (32-bit) SuSE Linux Enterprise server 8, 9, 10 RHEL Advanced Server <sup>2</sup> 2.x <sup>9</sup> , 3.x, 4.x, 5.x Windows 2000, Windows Server 2003(32-bit) RHEL Advanced Server <sup>2</sup> 2.x <sup>9</sup> , 3.x Windows 2000, Windows Server 2003 (32-bit) SuSE Linux Enterprise server 8, 9 RHEL Advanced Server <sup>2</sup> 2.x <sup>9</sup> , 3.x, 4.x Windows 2000, Windows Server 2003 (32-bit) SuSE Linux Enterprise server 8, 9, 10 RHEL Advanced Server <sup>2</sup> 2.x <sup>9</sup> , 3.x, 4.x, 5.x HP-UX 11.23 <sup>30</sup> Windows 2000, Windows Server 2003 (32-bit) SuSE Linux Enterprise server 8, 9, 10, 11 <sup>8</sup> RHEL Advanced Server <sup>2</sup> 2.x <sup>9</sup> , 3.x, 4.x, 5.x Windows Server 2003 (32-bit) SuSE Linux Enterprise server 10, 11 <sup>8</sup> RHEL Advanced Server <sup>2</sup> 5.x RHEL Advanced Server <sup>2</sup> 5.x, 6.0, 6.1 SuSE Linux Enterprise server 11
SAP <sup>4</sup> Netweaver (64-bit)	<ul style="list-style-type: none"> <li>SAP R/3 4.6x, using backint mode:</li> <li>SAP R/3 4.6x, using RMAN mode:</li> <li>SAP 4.7, using backint or RMAN mode:</li> </ul>	HP-UX 11.11(64-bit) HP-UX 11.11(64-bit) Solaris (SPARC) 8 (64-bit) Tru64 5.xx (64-bit) HP-UX 11.11(64-bit) HP-UX 11.23 (64-bit) (Itanium, PA-RISC)

- Windows Server 2003 (64-bit) (Itanium)
  - Solaris (SPARC) 8, 9 (64-bit)
  - Tru64 5.x
  - AIX 5.x, 6.x (64-bit)
  - RHEL Advanced Server<sup>2</sup> 2.x<sup>9</sup>, 3.x (64-bit) (Itanium)
  - RHEL Advanced Server<sup>2</sup> 4.x, 5.x (64-bit) (Itanium, x64)
  - SuSE Linux Enterprise Server 8 (64-bit) (Itanium)
  - SuSE Linux Enterprise Server 9, 10 (64-bit) (Itanium, x64)
  - United Linux 1.0 (64-bit) (Itanium)
  - HP-UX 11.11(64-bit)
- SAP BR\*Tools 6.10, using backint or RMAN mode:
  - Solaris (SPARC) 8 (64-bit)
  - Tru64 5.xx (64-bit)
  - AIX 5.x (64-bit)
- SAP BR\*Tools 6.20, using backint or RMAN mode:
  - HP-UX 11.11(64-bit)
  - HP-UX 11.23 (64-bit) (Itanium, PA-RISC)
  - Windows Server 2003 (64-bit) (Itanium)
  - Solaris (SPARC) 8, 9 (64-bit)
  - AIX 5.x, 6.x (64-bit)
  - Tru64 5.xx (64-bit)
  - RHEL Advanced Server<sup>2</sup> 2.x<sup>9</sup>, 3.x(64-bit) (Itanium)
  - RHEL Advanced Server<sup>2</sup> 4.x (64-bit) (Itanium, x64)
  - SuSE Linux Enterprise Server 8 (64-bit) (Itanium)
  - SuSE Linux Enterprise Server 9, 10 (64-bit) (Itanium, x64)
  - United Linux 1.0 (64-bit) (Itanium)
  - HP-UX 11.11(64-bit)
  - HP-UX 11.23 (64-bit) (Itanium, PA-RISC)
  - Windows Server 2003 (64-bit) (Itanium)
  - Solaris (SPARC) 8, 9, 10 (64-bit)
  - Tru64 5.x
  - AIX 5.x (64-bit)
  - RHEL Advanced Server<sup>2</sup> 2.x<sup>9</sup>, 3.x (64-bit) (Itanium)
- SAP BR\*Tools 6.40, using backint or RMAN mode:
  - RHEL Advanced Server<sup>2</sup> 4.x (64-bit) (Itanium, x64)
  - SuSE Linux Enterprise Server 8 (64-bit) (Itanium)
  - SuSE Linux Enterprise Server 9, 10 (64-bit) (Itanium, x64)
  - United Linux 1.0 (64-bit) (Itanium)
- SAP BR\*Tools 7.0, using backint or RMAN mode:
  - 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) (x64)<sup>14</sup>
  - Solaris (SPARC) 9,10
  - AIX 5.x, 6.x (64-bit)
  - RHEL Advanced Server<sup>1</sup> 3.0, 4.x, 5.x (Itanium, x64)
  - SuSE Linux Enterprise Server 9, 10, 11<sup>8</sup> (64-bit) (Itanium, x64)
- SAP BR\*Tools 7.1, using backint or RMAN mode:
  - HP-UX 11.23 (64-bit) (Itanium)
  - HP-UX 11.31 (64-bit) (PA-RISC, Itanium)
  - Solaris (SPARC) 9, 10 (64-bit)
  - Windows Server 2003 (64-bit) (Itanium, x64)
  - Windows Server 2003 (64-bit) (x64)
  - Windows Server 2008 (64-bit) (x64)<sup>14</sup>
  - AIX 5.x, 6.x (64-bit)
  - RHEL Advanced Server<sup>2</sup> 5.x (64-bit) (Itanium, x64)

	<ul style="list-style-type: none"> <li>SAP BR*Tools 7.2<sup>21</sup>, using backint or RMAN mode:</li> </ul>	<p>SuSE Linux Enterprise Server 10, 11<sup>8</sup> (64-bit) (Itanium, x64)</p> <p>HP-UX 11.31 (64-bit) (Itanium)</p> <p>Windows Server 2003 (64-bit) (Itanium, x64)</p> <p>Windows Server 2008 (64-bit) (x64)<sup>14</sup></p> <p>Windows Server 2008 R2 (64-bit) (x64)<sup>14</sup></p> <p>Solaris (SPARC) 9, 10 (64-bit)</p> <p>SuSE Linux Enterprise Server 11<sup>8</sup> (64-bit) (x64)</p> <p>RHEL Advanced Server<sup>2</sup> 5.x (64-bit) (x64)</p> <p>AIX 6.x (64-bit)</p>
Baan IV <sup>5</sup>	<ul style="list-style-type: none"> <li>Baan IV on Oracle, Informix, Microsoft SQL Server and Sybase (see versions above)</li> </ul>	

- 1 Oracle 9i, 10g, and 11g covers all released versions of Oracle 9i, 10g, and 11g: 9.x.x and 10.x.x, 11x.x
- 2 Includes support for Red Hat Enterprise Linux Advanced Workstation and Enterprise Server also.
- 3 DB2 EEE (partitioned databases) is supported with the following patches:  
DPWIN\_00485/PHSS\_41665/PHSS\_41666/DPLNX\_00138/DPSOL\_00432.
- 4 Data Protector uses the official SAP backup and restore API (BRTTOOLS), which is available only in conjunction with Oracle database. Therefore, Data Protector support only depends on the SAP Brtools 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 HP Data Protector A.06.1x integration guide.
- 6 Microsoft SQL Server hotfix Q912021 is required for this support.
- 7 New Microsoft SQL Server 2008 features:
  1. Read-only file groups can be backed up and restored. HP Data Protector maintains the read-only status of the file groups after restore.
  2. HP 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 HP 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 HP Data Protector and is therefore not supported by HP in case it is not correctly applied by the user.
  3. The SQL Server "backup compression" feature can be used in combination with HP Data Protector 6.11 with the following patch: DPWIN\_00480.

Additional packages for DMO backward compatibility are required for this integration to work.

1. x86 Package (SQLServer2005\_BC.msi)
2. x64 Package (SQLServer2005\_BC.msi)
3. IA64 Package (SQLServer2005\_BC.msi)

These packages are available under the section "Microsoft SQL Server 2005 Backward Compatibility Components" at following web page: <http://www.microsoft.com/downloads/details.aspx?FamilyId=C6C3E9EF-BA29-4A43-8D69-A2BED18FE73C&displaylang=en> These packages should be used for SQL 2008 R2 also.

- 8 Supported with Data Protector 6.11 only.
- 9 Supported with Data Protector 6.10 only.
- 10 Supported with Data Protector 6.11 with the following patches:  
DPWIN\_00486/PHSS\_41667/PHSS\_41668/DPLNX\_00139/DPSOL\_00433
- 11 Supported with Data Protector 6.11 with the following patches: PHSS\_41885/PHSS\_41886/DPLNX\_00147/DPSOL\_00441
- 12 Supported with Data Protector 6.11 with VSS agent. For supported VSS writers please refer to the Data Protector 6.1x VSS support matrix. Microsoft Exchange Server 2010 is supported with a whitepaper, which can be downloaded at the following location: <http://www.hp.com/go/dataprotector> Please click "Support Matrices", then select desired Data Protector version and click "White papers" thereafter.
- 13 Only filesystem backup is supported.
- 14 Supported with Data Protector 6.11 with following patch: DPWIN\_00474.
- 15 Supported with Data Protector 6.11 with following patches: PHSS\_41802/PHSS\_41803/DPLNX\_00141/DPSOL\_00435.
- 16 Microsoft Sharepoint Portal Server with a set of scripts and a whitepaper. These scripts can be downloaded at the following location: <http://www.hp.com/go/dataprotector>. Please click "Utilities" then select "HP Data Protector V6.11 Software", then click "Cross Operating System" → "Software Solutions" → [HP Data Protector 6.11 script solution for Microsoft Office SharePoint Server 2007 and SharePoint Server 2010](#). Supported with Data Protector 6.11 with VSS agent. For supported VSS writers please refer to the Data Protector 6.1x VSS support matrix.
- 17 Microsoft SQL 2008 support includes SQL 2008 Express.

- 18 For MS SQL integration fast direct mode backup, AES encryption is not supported.
- 19 Supported with Data Protector 6.11 with the following patch:  
DPWIN\_00502
- 21 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:  
> cd \$ORACLE\_HOME/lib  
> ln -s libnnz11.so libnnz10.so
- 23 Single Mailbox integration with encryption support for Exchange Server 2007 and 2010 on Windows 2008 and Windows 2008 R2 is supported with Data Protector 6.11 with the following patch: DPWIN\_00492
- 25 DB2 EEE (partitioned databases) is not supported.
- 26 Supported with Data Protector 6.11 with the following patches:  
PHSS\_42020/PHSS\_42019/DPLNX\_00153/DPSOL\_00447
- 27 Supported with Data Protector 6.11 with the following patches:  
PHSS\_42127/PHSS\_42128/DPLNX\_00159/DPSOL\_00453
- 28 Supported with Data Protector 6.11 patches:PHSS\_42698/PHSS\_42699/DPSOL\_00481/DPLNX\_00187.
- 29 Supported with the Site Specific Patch: SSPUX611\_039.
- 30 Supported with Data Protector 6.11 with the patch: DPWIN\_00559.
- 31 Includes support for Red Hat Enterprise Linux, Advanced Server, Workstation and Enterprise Server if applicable.
- 32 Supported with the Site Specific Patch: SSPUX611\_010
- 33 Supported with Data Protector 6.11 with the patch: DPWIN\_00517

## Supported zero downtime solutions <sup>5</sup>

Array	Supported types
HP StorageWorks XP <sup>1</sup>	<ul style="list-style-type: none"> <li>HP StorageWorks Business Copy XP/Continuous Access XP</li> </ul>
EMC <sup>2</sup>	<ul style="list-style-type: none"> <li>EMC TimeFinder/SRDF</li> </ul>
HP StorageWorks Virtual array <sup>3</sup>	<ul style="list-style-type: none"> <li>HP StorageWorks Business Copy VA</li> </ul>
HP StorageWorks EVA <sup>4</sup>	<ul style="list-style-type: none"> <li>HP StorageWorks Vsnap/ Snapclone/ Snapshots</li> </ul>

- 1 For further details on the integration, please see HP Data Protector A.06.1x Zero downtime (split-mirror) backup and instant recovery support matrix for HP StorageWorks P9000 XP Disk Arrays
- 2 For further details on the integration, please see HP Data Protector A.06.1x EMC split-mirror backup integration support matrix
- 3 For further details on the integration, please see HP Data Protector A.06.1x zero downtime backup and instant recovery support matrix for HP StorageWorks Virtual Array
- 4 For further details on the integration, please see HP Data Protector A.06.1x zero downtime backup and instant recovery support matrix for HP StorageWorks Enterprise Virtual Array using SMI-S Agent
- 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 and integrations
HP Data Protector Open File Manager	<ul style="list-style-type: none"> <li>HP Data Protector Open File Manager 9.x Windows 2000, Windows XP <sup>1</sup> Windows Server 2003 <sup>1</sup> Novell NetWare 6.5</li> <li>HP Data Protector Open File Manager 10.02 Windows Server 2008 (x64)</li> </ul>
Citrix MetaFrame <sup>2</sup>	<ul style="list-style-type: none"> <li>Citrix Meta Frame version 1.00 Service Pack 3 Windows Server 2003</li> </ul>
HP Network Node Manager	<ul style="list-style-type: none"> <li>HP Network Node Manager 6.2 Windows 2000</li> <li>HP Network Node Manager 7.01 HP-UX 11.11 Solaris 8, 9</li> </ul>
HP StorageWorks File Migration	<ul style="list-style-type: none"> <li>FMA Client 2.1 Windows 2000</li> </ul>

Agent	<ul style="list-style-type: none"> <li>• FMA Client 2.2.x:</li> <li>• FMA Client 2.5.x:</li> </ul>	Windows Server 2003 Red Hat Enterprise Linux 3.0 SuSE Linux Enterprise Server 8 Windows 2000, Windows Server 2003 Red Hat Enterprise Linux 3.0 SuSE Linux Enterprise Server 8 Windows Server 2003, Windows Server 2008 (32-bit & 64-bit) Red Hat Enterprise Linux 3.0 SuSE Linux Enterprise Server 8
HP StorageWorks FSE	<ul style="list-style-type: none"> <li>• FSE Client 3.4:</li> <li>• FSE Server 3.4:</li> </ul>	Windows 2000, Windows Server 2003 Red Hat Enterprise Linux 3.0 SuSE Linux Enterprise Server 8 Windows 2000, Windows Server 2003 Red Hat Enterprise Linux 3.0 SuSE Linux Enterprise Server 8
All HSM software based on the Windows NTFS offline feature		Windows Server 2003 and higher

- 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.

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"> <li>• HP MC/ServiceGuard 11.1x: HP-UX 11.11</li> <li>• HP MC/ServiceGuard 11.1x: HP-UX 11.23, 11.31 (PA-RISC, Itanium)</li> <li>• HP MC/ServiceGuard 11.2x<sup>10</sup>: HP-UX 11.31 (PA-RISC, Itanium)</li> <li>• HP MC/ServiceGuard for Linux:<sup>1</sup> Red Hat Enterprise Linux 2.1<sup>6</sup>, 3.0,4.x, 5.x</li> <li>• HP MC/ServiceGuard for Linux:<sup>1</sup> SuSE Linux Enterprise Server 8, 9, 10, 11<sup>4</sup></li> </ul>	
Microsoft Cluster	<ul style="list-style-type: none"> <li>• Microsoft Cluster Server<sup>15</sup>: Windows 2000 Windows Server 2003 (32-bit) Windows Server 2003 (64-bit) (Itanium) Windows Server 2003 (64-bit) (x64)</li> <li>• Microsoft Failover Cluster<sup>9,15</sup>: Windows Server 2008 (32-bit) Windows Server 2008 (64-bit) (Itanium) Windows Server 2008 (64-bit) (x64) Windows Server 2008 R2 (64-bit) (x64)</li> </ul>	
Sun Cluster	<ul style="list-style-type: none"> <li>• Sun Cluster: (Disk Agent, Informix IDS 11.7<sup>13</sup> and Cell Manager support only)</li> </ul>	Solaris 10 (SPARC)
Tru64 Cluster <sup>2</sup>	<ul style="list-style-type: none"> <li>• TruCluster 5.x (Disk Agent, Oracle, SAP):</li> </ul>	Tru64 5.xx



Veritas Cluster Server	<ul style="list-style-type: none"> <li>• Veritas Cluster Server 1.3 (Disk Agent support only): Solaris 8</li> <li>• Veritas Cluster Server 2.0 (Disk Agent support only): Solaris 8</li> <li>• Veritas Cluster Server 3.5 (Disk Agent support only): Solaris 8</li> <li>• Veritas Cluster Server 4.0 (Disk Agent, Oracle): Solaris 8, 9</li> <li>• Veritas Cluster Server 4.1 (Disk Agent, Oracle): Solaris 8, 9, 10</li> <li>• Veritas Cluster Server 4.3 (Disk Agent, Oracle, Exchange Server 2003) : Windows Server 2003 (32-bit) Solaris 10</li> <li>• Veritas Cluster Server 5.0 (Disk Agent): HP-UX 11.23 (Itanium, PA-RISC) HP-UX 11.31 (Itanium) Solaris 10 (SPARC)</li> <li>• Veritas Cluster Server 5.1 (Disk Agent and Cell Manager): Windows 2008 (32bit) Windows 2008 (x64) Windows 2008 R2 (x64) Red Hat Enterprise Linux 5.6, 6.0 (x64) SuSE Linux Enterprise Server 11 (x64) AIX 7.1<sup>14</sup> (64-bit)</li> <li>• Veritas Cluster Server 5.1 (Informix IDS 11.7<sup>13</sup>):</li> </ul>	
NetWare Cluster	<ul style="list-style-type: none"> <li>• NetWare Cluster Services 1.7:</li> </ul>	NetWare 6.5
Novell OES Cluster	<ul style="list-style-type: none"> <li>• Novell OES Cluster:</li> <li>• Novell OES Cluster: (Disk Agent)</li> </ul>	Novell OES1 (32-bit) for Linux Novell OES2 (32-bit) for Linux Novell OES 2 (64-bit) <sup>5,7</sup> for Linux Novell OES11 (64-bit) for Linux
OpenVMS Cluster <sup>3</sup>	<ul style="list-style-type: none"> <li>• OpenVMS Cluster (Disk Agent, Media Agent)</li> </ul>	
EFS Clustered Gateway	<ul style="list-style-type: none"> <li>• EFS Clustered Gateway (Disk Agent, Media Agent)</li> </ul>	SuSE Linux Enterprise Server 9,10 <sup>4</sup> Windows Server 2003
PolyServe Matrix Server <sup>8</sup>	<ul style="list-style-type: none"> <li>• PolyServe Matrix Server</li> </ul>	SuSE Linux Enterprise Server 9 Red Hat Enterprise Linux 4 Windows Server 2003
HACMP	<ul style="list-style-type: none"> <li>• HACMP Cluster</li> </ul>	AIX 5.x AIX6.1
Red Hat Cluster Suite	<ul style="list-style-type: none"> <li>• Red Hat Cluster</li> <li>• Red Hat High Availability Cluster</li> <li>• Red Hat High Availability Cluster</li> </ul>	Red Hat Enterprise Linux 4.x, 5.x (32 and 64-bit) Red Hat Enterprise Linux 6.0 ( 64-bit) Red Hat Enterprise Linux 6.0 (32-bit)
SuSE High Availability Storage Infrastructure	<ul style="list-style-type: none"> <li>• SuSE HA Storage Infrastructure</li> </ul>	SuSE Linux Enterprise Server 11 (32 / 64-bit)
Life Keeper Cluster	<ul style="list-style-type: none"> <li>• Life Keeper Cluster 7.1 (Disk Agent and Oracle 11g<sup>11</sup>)</li> </ul>	Red Hat Enterprise Linux 5.4(x64)

- 1 Procedures for installing and configuring Data Protector on MC/ServiceGuard with Linux are available in Data Protector online Help.
- 2 Procedures for installing and configuring Data Protector on Tru64 Cluster are available in Data Protector online Help.
- 3 Installation and configuration details for Data Protector environment are available in *HP Data Protector A.06.1x installation and licensing guide*.
- 4 Supported with Data Protector 6.11 only.

- 5 Supported with Data Protector 6.10 with following site specific patches: SSPSOL610\_002, SSPLNX610\_003, SSPUX610\_004.
- 6 Supported with Data Protector 6.10 only.
- 7 Supported with DP6.11 with following patches: DPWIN\_00441/PHSS\_40476/PHSS\_40477/DPLNX\_00100/DPSOL\_00394
- 8 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.
- 9 Includes what DP formerly referenced as 'Majority Node Cluster'.
- 10 For HP MC/ServiceGuard 11.20, cDSFs are not currently supported.
- 11 Life Keeper Oracle Recovery Kit 7.1 is needed for this support.
- 12 Supported with the following patches:PHSS\_41954/PHSS\_41955/ DPLNX\_00148/DPSOL\_00442.
- 13 Supported with the Site Specific Patch: SSPNT611\_040.
- 14 Supported with the Site Specific Patch: SSPUX611\_040/SSPLNX611\_034/SSPSOL611\_016
- 15 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"> <li>• Novell GroupWise 6.x</li> <li>• Novell GroupWise 7.0 <sup>1</sup></li> <li>• Novell GroupWise 7.0.3</li> <li>• Novell GroupWise 8.0</li> </ul>	<ul style="list-style-type: none"> <li>Novell NetWare 6.x</li> <li>Novell OES 1.0 for Linux</li> <li>Novell OES 2.0 for Linux (64-bit)<sup>5, 7</sup></li> <li>Novell OES 2.0 for Linux (32-bit)<sup>7</sup></li> <li>Novell OES 2.0 for Linux (64-bit) (x64)<sup>7</sup></li> <li>Novell OES 2.0 for Linux (32-bit)<sup>7</sup></li> <li>Novell OES 2.0 for Linux (64-bit) (x64)<sup>5, 7</sup></li> <li>Novell OES 11.0 for Linux (64-bit) (x64)</li> </ul>
Oracle 9i RAC (including OCFS wherever applicable)	<ul style="list-style-type: none"> <li>• Red Hat Enterprise Linux 2.1<sup>6</sup>, 3.0, 4.x ( CRS )</li> <li>• SuSE Linux Enterprise Server 8, 9</li> <li>• HP-UX 11.11, HP-UX 11.23 (with or without MC/ServiceGuard)</li> <li>• Windows 2000, Server 2003 (using Microsoft Cluster and CRS)</li> <li>• Solaris (SPARC) 8, 9</li> <li>• AIX 5.x</li> </ul>	
Oracle 10g RAC (including OCFS and CRS wherever applicable)	<ul style="list-style-type: none"> <li>• Red Hat Enterprise Linux 2.x<sup>6</sup>, 3.x, 4.x, 5.x</li> <li>• Red Hat Enterprise Linux 4.x, 5.x (Itanium, x64)</li> <li>• Oracle Enterprise Linux 4.x, 5.x (64-bit)</li> <li>• SuSE Linux Enterprise Server 8, 9, 10, 11<sup>4</sup></li> <li>• HP-UX 11.11, HP-UX 11.23, HP-UX 11.31 (with or without MC/ServiceGuard)</li> <li>• Windows 2000, Server 2003 (using Microsoft Cluster)</li> <li>• Windows Server 2003 (using Veritas Cluster Server)</li> <li>• Solaris (SPARC) 9, 10</li> <li>• AIX 5.x, 6.x</li> </ul>	
Oracle 10g R2 RAC (including OCFS and CRS wherever applicable)	<ul style="list-style-type: none"> <li>• SuSE Linux Enterprise Server 11<sup>8</sup></li> </ul>	
Oracle 11g RAC (including OCFS and CRS wherever applicable)	<ul style="list-style-type: none"> <li>• Red Hat Enterprise Linux 4.x, 5.x (using Redhat Cluster Suite)</li> <li>• SuSE Linux Enterprise Server 9, 10, 11<sup>4</sup></li> <li>• Oracle Enterprise Linux 5.x (64-bit)</li> <li>• HP-UX 11.23, HP-UX 11.31 (with or without MC/ServiceGuard)</li> <li>• Windows Server 2003 (using Microsoft Cluster or Veritas Cluster Server)</li> <li>• Windows Server 2008 (using Microsoft Cluster or Veritas Cluster Server)<sup>4</sup></li> <li>• Solaris (SPARC) 9, 10<sup>4</sup></li> <li>• AIX 5.x, 6.x</li> </ul>	
Oracle 11g R2 RAC (including OCFS and CRS wherever applicable)	<ul style="list-style-type: none"> <li>• HP-UX 11.31 (with or without MC/ServiceGuard)<sup>8</sup></li> <li>• Red Hat Enterprise Linux 4.x, 5.x (using Redhat Cluster Suite)<sup>8</sup></li> <li>• SuSE Linux Enterprise Server 10, 11 (32bit) (x86), (64bit) (x64)<sup>8</sup></li> </ul>	

	<ul style="list-style-type: none"> <li>• Oracle Enterprise Linux 5.x (64-bit)<sup>9</sup></li> <li>• AIX 6.x (64-bit)<sup>8</sup></li> <li>• Windows Server 2008 R2 (using Microsoft Cluster)<sup>4</sup></li> <li>• Solaris (SPARC) 10 (64-bit)<sup>8</sup></li> </ul>
Lotus Domino 6 Cluster	<ul style="list-style-type: none"> <li>• Windows 2000, Windows Server 2003 (32-bit)</li> </ul>
Lotus Domino 8.5 Cluster	<ul style="list-style-type: none"> <li>• Windows 2008 (32-bit); Windows 2008 (64-bit)(x64),</li> <li>• Windows 2008 R2 (64-bit) (x64)</li> </ul>
IBM DB2 V8 Partitioned Database <sup>2</sup>	<ul style="list-style-type: none"> <li>• AIX 5.x (64-bit)</li> </ul>
Sybase ASE Cluster Edition 15.5	<ul style="list-style-type: none"> <li>• AIX 6.1(64-bit)</li> <li>• Solaris (SPARC) 10 (64-bit)</li> </ul>

<sup>1</sup> To utilize this feature Novell OES 1.0 Service pack 2 on SuSE Linux Enterprise Server 9 is required

<sup>2</sup> To utilize this feature DB2 Fix pack 7 is required. Additional configuration, backup, and restore procedures are described in Data Protector documentation.

<sup>3</sup> Supported with Data Protector 6.10 with following site specific patch: SSPLNX610\_005

<sup>4</sup> Supported with Data Protector 6.11 only

<sup>5</sup> Supported with Data Protector 6.10 with following site specific patches: SSPSOL610\_002, SSPLNX610\_003, SSPUX610\_004

<sup>6</sup> Supported with Data Protector 6.10 only.

<sup>7</sup> To utilize this feature following patches are required:

DPWIN\_00441/PHSS\_40476/PHSS\_40477/DPLNX\_00100/DPSOL\_00394

DPWIN\_00438/PHSS\_40470/PHSS\_40471/DPLNX\_00097/DPSOL\_00391

DPWIN\_00442/PHSS\_40478/PHSS\_40479/DPLNX\_00101/DPSOL\_00395

<sup>8</sup> Supported with Data Protector 6.11 with following set of patches:

PHSS\_41667/PHSS\_41668/DPLNX\_00139/DPSOL\_00433 and

PHSS\_41802/PHSS\_41803/DPLNX\_00141/DPSOL\_00435.

## Supported file systems

Operating system	File systems
Windows 2000 <sup>1</sup>	<ul style="list-style-type: none"> <li>• NTFS 3.0(including disk image backup)</li> <li>• FAT16, FAT32</li> <li>• CIFS</li> </ul>
Windows XP Professional, Windows Server2003 <sup>1</sup>	<ul style="list-style-type: none"> <li>• NTFS 3.1(including disk image backup)</li> <li>• FAT16, FAT32</li> <li>• CIFS</li> </ul>
Windows XP Professional (64-bit), Windows Server 2003 <sup>1</sup>	<ul style="list-style-type: none"> <li>• NTFS 3.1 (including disk image backup of MBR disks only)</li> <li>• FAT16, FAT32</li> <li>• CIFS</li> </ul>
Windows Server 2008, Windows Server 2008 R2, Windows Vista, Windows 7,	<ul style="list-style-type: none"> <li>• NTFS (including disk image backup)</li> <li>• FAT16, FAT32</li> <li>• CIFS</li> </ul>
Novell NetWare	<ul style="list-style-type: none"> <li>• NetWare FS supported namespaces: MAC, NFS, OS/2 (long namespace), DOS</li> <li>• NSS</li> </ul>
Novell Open Enterprise Server	<ul style="list-style-type: none"> <li>• NSS</li> </ul>
HP-UX <sup>1</sup>	<ul style="list-style-type: none"> <li>• HFS (including rawdisk backup)</li> <li>• NFS</li> <li>• LOFS (loopback file system)<sup>6</sup></li> <li>• VxFS (including rawdisk backup)</li> <li>• DCE DFS</li> <li>• EVFS (HP-UX 11.23 only as rawdisk backup)</li> <li>• NetApp Filer NFS<sup>7</sup></li> </ul>
Solaris <sup>1</sup>	<ul style="list-style-type: none"> <li>• UFS</li> <li>• NFS</li> </ul>

	<ul style="list-style-type: none"> <li>• PC FS (MSOS compatible file system)</li> <li>• HSFS</li> <li>• VxFS</li> <li>• Tmp FS</li> <li>• LOFS (Loopback file system)<sup>6</sup></li> <li>• ZFS<sup>2</sup></li> </ul>
IBM AIX <sup>1</sup>	<ul style="list-style-type: none"> <li>• JFS (journaling file system)</li> <li>• JFS2</li> <li>• GPFS</li> </ul>
SGI IRIX <sup>1</sup>	<ul style="list-style-type: none"> <li>• EFS (extended file system)</li> <li>• XFS (IRIX journaling file system)</li> </ul>
SNI Sinix <sup>1</sup>	<ul style="list-style-type: none"> <li>• HSFS (High Sierra file system)</li> <li>• UFS (UNIX file system)</li> <li>• VxFS</li> </ul>
SCO OpenServer <sup>1</sup>	<ul style="list-style-type: none"> <li>• HTFS (High Throughput file system)</li> <li>• DTFS</li> <li>• S51K</li> <li>• S52K</li> </ul>
SCO Unixware <sup>1</sup>	<ul style="list-style-type: none"> <li>• memfs</li> <li>• s5</li> <li>• sfs (Note: ACLs are not backed up and restored)</li> <li>• ufs</li> <li>• bfs</li> <li>• vxfs (Note: ACLs are not backed up and restored)</li> </ul>
Tru64 UNIX <sup>1</sup>	<ul style="list-style-type: none"> <li>• UFS (UNIX file system)</li> <li>• AdvFS (Advanced file system)</li> </ul>
Linux (Redhat, SuSE, Debian) <sup>1</sup>	<ul style="list-style-type: none"> <li>• ext, ext2, ext3, ext4<sup>5</sup></li> <li>• minix</li> <li>• xiafs</li> <li>• ReiserFS</li> <li>• VxFS</li> <li>• XFS<sup>3</sup></li> <li>• VFAT</li> <li>• SFS</li> <li>• NFS</li> <li>• GFS</li> <li>• GFS2<sup>5</sup></li> <li>• OCFS<sup>4</sup></li> <li>• OCFS2<sup>4</sup></li> <li>• GPFS<sup>5</sup></li> <li>• ACFS<sup>5</sup></li> <li>• NetApp Filer NFS<sup>7</sup></li> <li>• IBRIX (Extended attribute)<sup>7</sup></li> </ul>
Open VMS	<ul style="list-style-type: none"> <li>• ODS-2</li> <li>• ODS-5</li> </ul>
VMware ESX	<ul style="list-style-type: none"> <li>• VMFS</li> </ul>

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

<sup>2</sup> Raw disk backup is not supported.

<sup>3</sup> XFS is not supported on Red Hat Enterprise Linux 4.0.

<sup>4</sup> Supported with Data Protector 6.11 only.

<sup>5</sup> Supported with Data Protector 6.11 patches: PHSS\_41457 / PHSS\_41458 / DPLNX\_00136 / DPSOL\_00430

<sup>6</sup> Supported with Data Protector 6.11 patches: PHSS\_41363 / PHSS\_41364 / DPLNX\_00133 / DPSOL\_00427

<sup>7</sup> Supported with Data Protector 6.11 patches: PHSS\_42704/PHSS\_42705/DPSOL\_00484/DPLNX\_00190

## ACL support

Operating system	File system	Number of ACL entries (basic/extended)
Windows 2000	NTFS	unlimited
Windows XP Professional	NTFS	unlimited
Windows Server 2003	NTFS	unlimited
Windows XP Professional (64-bit)	NTFS	unlimited
Windows Vista	NTFS	unlimited
Windows Server 2008	NTFS	unlimited
Windows Server 2008 R2	NTFS	unlimited
Windows 7	NTFS	unlimited
Novell NetWare	NetWare file system (Macintosh, NFS, OS/2, DOS) <sup>1</sup>	512
Novell NetWare	NSS	unlimited
HP-UX	HFS	3/16
HP-UX	VxFS	4/17 (1024) <sup>2</sup>
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, GFS2(RHEL 5.x) <sup>3</sup>	1024
Tru64	UFS	3/unlimited
	AdvFS	3/65

<sup>1</sup> Limited with Data Protector record size and SMS API.

<sup>2</sup> 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

<sup>3</sup> Supported with the following Data Protector patches from the 2 modules:  
Disk Agent: PHSS\_0041961/PHSS\_0041962/DPLNX\_00151/DPSOL\_00445  
Core: PHSS\_41954/PHSS\_41955/DPLNX\_00148/DPSOL\_00442/DPWIN\_00519