



# hp OpenView storage data protector 5.5 Platform & Integration support matrices

Version: 6.3

Date: November 27, 2008

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

supported operating systems	
Data Protector component	supported operating systems
Cell Manager	<ul style="list-style-type: none"> <li>• Windows XP PRO</li> <li>• Windows 2000</li> <li>• Windows 2003<sup>15</sup> (32-bit)</li> <li>• HP-UX (PA-RISC) - 11.0<sup>2</sup>, 11.11<sup>2, 3</sup>, 11.23<sup>2, 3</sup></li> <li>• HP-UX (Itanium) - 11.23<sup>2, 3</sup></li> <li>• Solaris 7, 8 &amp; 9</li> </ul>
Installation Server	<ul style="list-style-type: none"> <li>• Windows XP PRO</li> <li>• Windows 2000</li> <li>• Windows 2003<sup>15</sup> (32-bit)</li> <li>• HP-UX (PA-RISC) - 11.0<sup>2</sup>, 11.11<sup>2, 3</sup>, 11.23<sup>2, 3</sup></li> <li>• HP-UX (Itanium) - 11.23<sup>2, 3</sup></li> <li>• Solaris 7, 8 &amp; 9</li> </ul>
Graphical User Interface <sup>12</sup>	<ul style="list-style-type: none"> <li>• Windows XP HE<sup>1</sup></li> <li>• Windows XP PRO</li> <li>• Windows XP (64-bit)</li> <li>• Windows 2000</li> <li>• Windows 2003<sup>15</sup> (32-bit)</li> <li>• Windows 2003<sup>15</sup> (64-bit) (Itanium)</li> <li>• HP-UX (PA-RISC) - 11.0<sup>2</sup>, 11.11<sup>2, 3</sup>, 11.23<sup>2, 3</sup>, 11.31<sup>2, 3</sup></li> <li>• Solaris 7, 8</li> </ul>
Managers-of-Managers (MoM)	<ul style="list-style-type: none"> <li>• Windows 2000</li> <li>• Windows XP PRO</li> <li>• Windows 2003<sup>15</sup> (32-bit)</li> <li>• HP-UX (PA-RISC) - 11.0<sup>2</sup>, 11.11<sup>2, 3</sup>, 11.23<sup>2, 3</sup></li> <li>• Solaris 7, 8 &amp; 9</li> <li>• HP-UX (Itanium) - 11.23<sup>2, 3, 7</sup></li> </ul>
Backup Device Server (media agent), including robotic control	<ul style="list-style-type: none"> <li>• Windows NT 4.0<sup>10</sup></li> <li>• Windows 2000</li> <li>• Windows XP PRO</li> <li>• Windows XP (64-bit)</li> <li>• Windows 2003<sup>15</sup> (32-bit)</li> <li>• Windows 2003<sup>15</sup> (64-bit) (Itanium and x64<sup>13</sup>)</li> <li>• Novell NetWare 5.1<sup>1</sup>, 6.0<sup>1</sup>, 6.5<sup>1</sup></li> <li>• Novell Open Enterprise Server for SLES9 (32-bit)<sup>16</sup></li> <li>• HP-UX (PA-RISC) - 11.0<sup>2</sup>, 11.11<sup>2, 3</sup>, 11.23<sup>2, 3</sup>, 11.31<sup>2, 3, 17</sup></li> <li>• HP-UX (Itanium) - 11.23<sup>2, 3</sup>, 11.31<sup>16, 17</sup></li> </ul>

	<ul style="list-style-type: none"> <li>• Tru64 5.xx</li> <li>• OpenVMS 7.3-1<sup>1</sup>, 7.3-2<sup>1</sup>, 8.2<sup>1</sup>, 8.2-1<sup>1, 14</sup>, 8.3<sup>1,14</sup></li> <li>• Sun Solaris<sup>4</sup> 2.6, 7, 8, 9, 10<sup>9</sup></li> <li>• MPE/iX 6.0<sup>1</sup>, 6.5<sup>1</sup>, 7.0<sup>1</sup>, 7.5<sup>1</sup></li> <li>• Linux (32-bit)<sup>9</sup>: <ul style="list-style-type: none"> <li>Redhat 8.x</li> <li>Red Hat Enterprise Linux 2.1, 3.0, 4.0<sup>8</sup>, 5.0</li> <li>SuSE Linux Enterprise Server (SLES) 8, 9<sup>8</sup>, 10</li> <li>United Linux 1.0</li> <li>Linux SuSE 8.x</li> <li>Linux Debian 3.0, 3.1</li> <li>CentOS 3.8</li> </ul> </li> <li>• Linux (64-bit)<sup>9</sup>: <ul style="list-style-type: none"> <li>Red Hat Enterprise Linux 2.1, 3.0, 4.0<sup>8</sup> (Itanium and x64)</li> <li>Red Hat Enterprise Linux 5.0<sup>8</sup> (Itanium and x64)</li> <li>SuSE Linux Enterprise Server (SLES) 8, 9<sup>8</sup> (Itanium and x64)</li> <li>SuSE Linux Enterprise Server (SLES) 10<sup>22</sup> (Itanium &amp; x64)</li> <li>United Linux 1.0</li> <li>Linux Debian 3.1 (Itanium)</li> </ul> </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 5Lver.5.x<sup>6</sup>, 6.x<sup>21</sup></li> <li>• SNI Sinix 5.4.3, 5.4.4</li> <li>• SCO OpenServer 5.0.6, 5.0.7</li> </ul>
Backup Agents (disk agents)	<ul style="list-style-type: none"> <li>• Windows ME<sup>1</sup></li> <li>• Windows NT 4.0<sup>11</sup></li> <li>• Windows 2000<sup>19</sup></li> <li>• Windows XP HE<sup>1</sup></li> <li>• Windows XP PRO</li> <li>• Windows XP<sup>19</sup> (64-bit)</li> <li>• Windows 2003<sup>15,19</sup> (32-bit)</li> <li>• Windows 2003<sup>15,19</sup> (64-bit) (Itanium and x64)<sup>13</sup></li> <li>• Novell NetWare , 5.1<sup>1</sup>, 6.0<sup>1</sup>, 6.5<sup>1</sup></li> <li>• Novel Open Enterprise Server (OES1)</li> <li>• Novell Open Enterprise Server for SLES9 (32-bit)<sup>16</sup></li> <li>• HP-UX (PA-RISC) 11.0<sup>2</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>2,3,16</sup></li> <li>• HP MPE/iX 6.0<sup>1</sup>, 6.5<sup>1</sup>, 7.0<sup>1</sup>, 7.5<sup>1</sup></li> <li>• Sun Solaris (SPARC)<sup>4</sup> 2.6, 7, 8, 9, 10<sup>9,18</sup></li> <li>• Sun Solaris (x64) 10<sup>16</sup></li> <li>• IBM AIX 5Lver.5.1, 5.2, 5.3<sup>6</sup></li> <li>• SGI IRIX 6.4, 6.5</li> <li>• SNI Sinix 5.4.3, 5.4.4</li> <li>• SCO OpenServer 5.0.6, 5.0.7, 6.0<sup>5</sup></li> <li>• SCO UnixWare 7.x</li> <li>• Tru64 Unix 4.0x, 5.xx</li> <li>• Open VMS 7.3-1<sup>1</sup>, 7.3-2<sup>1</sup>, 8.2<sup>1</sup>, 8.2-1<sup>1, 14</sup>, 8.3<sup>1,14</sup></li> <li>• Linux (32-bit)<sup>9</sup>: <ul style="list-style-type: none"> <li>Red Hat 8.x</li> <li>Red Hat Enterprise Linux 2.1, 3.0, 4.0, 5.0</li> <li>SuSE Linux Enterprise Server (SLES) 8, 9, 10</li> <li>United Linux 1.0</li> <li>SuSE 8.x</li> <li>Caldera OpenLinux 2.4x, 3.1.1</li> <li>Debian Linux 2.2r3, 3.0, 3.1</li> <li>CentOS 3.8</li> </ul> </li> <li>• Linux (64-bit)<sup>9</sup>: <ul style="list-style-type: none"> <li>Red Hat Enterprise Linux 2.1, 3.0, 4.0, 5.0 (Itanium and x64)</li> <li>SuSE Linux Enterprise Server (SLES) 8, 9 (Itanium and x64)</li> <li>SuSE Linux Enterprise Server (SLES) 10 (Itanium and x64)</li> <li>United Linux 1.0</li> </ul> </li> </ul>

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

- 1 Push installation not possible, need to be installed locally
- 2 NIS+ is supported in a DNS environment
- 3 HP-UX 11.11 is HP-UX 11i version 1.0.  
HP-UX 11.23 is HP-UX 11i version 2.0  
HP-UX 11.31 is HP-UX 11i version 3.0
- 4 Solaris 8, 9, 10 may also be referred as SunOS 5.8, 5.9, 5.10. For exact correlation, please visit Sun Microsystems website.
- 5 To utilize this feature the following patches are required:  
PHSS\_37382 – HP-UX 11.x (PA) Cell Manager / Installation Server  
PHSS\_37383 – HP-UX 11.23 (IPF) Cell Manager / Installation Server  
DPSOL\_00321 – Solaris 2.x Cell Manager / Installation Server
- 6 To utilize this feature the following patches are required:  
PHSS\_32323 – HP-UX 11.x (PA) Cell Manager / Installation Server  
PHSS\_32324 – HP-UX 11.23 (IPF) Cell Manager / Installation Server  
DPSOL\_00125 – Solaris 2.x Cell Manager / Installation Server
- 7 MoM GUI is not supported on HP-UX 11.23 (Itanium).
- 8 To utilize this feature the following patches are required:  
PHSS\_36559 – HP-UX 11.x (PA) Cell Manager / Installation Server  
PHSS\_36560 – HP-UX 11.23 (IPF) Cell Manager / Installation Server  
DPSOL\_00289 – Solaris 2.x Cell Manager / Installation Server
- 9 To utilize this feature following patches are required:  
PHSS\_37382 – HP-UX 11.x (PA) Cell Manager / Installation Server  
PHSS\_37383 – HP-UX 11.23 (IPF) Cell Manager / Installation Server  
DPSOL\_00321 – Solaris 2.x Cell Manager / Installation Server
- 10 To utilize this feature following site specific patch is required: SSPNT550\_005
- 11 To utilize this feature following site specific patches are required: SSPNT550\_010. MS cluster on Windows NT 4.0 is not supported. New features released with Data Protector 5.5, e.g. Object Copy are not supported.
- 12 Reflection X version 9 & above are supported
- 13 Data Protector Native Disk Agent and Media Agent for Windows x64 platforms can be installed using the following patches: DPWIN\_00376 (for Disk Agent), DPWIN\_00359 (core), DPWIN\_00333 (Cell Server), DPWIN\_00360 (Cell Console), DPWIN\_00289 (Media Agent)
- 14 To utilize this feature following site specific patch is required: DPWIN\_00311
- 15 Includes support for Windows 2003 R2 and Windows Storage Server 2003 R2 where applicable
- 16 To utilize this feature following patches are required:  
PHSS\_37382 – HP-UX 11.x (PA) Cell Manager / Installation Server  
PHSS\_37383 – HP-UX 11.23 (IPF) Cell Manager / Installation Server  
DPSOL\_00321 – Solaris 2.x Cell Manager / Installation Server
- 17 To utilize this feature following Site Specific Patch is needed: SSPUX550\_155
- 18 To utilize this feature following Site Specific Patch is needed for ZFS: SSPSOL550\_053
- 19 To utilize this feature following Patch is needed DPWIN\_00376
- 20 To utilize this feature following patches are required:  
DPSOL\_00269 and DPSOL\_00270 – Solaris 2.x Cell Manager / Installation Server  
PHSS\_36290 and PHSS\_36292 – HP-UX 11.x (PA) Cell Manager / Installation Server  
PHSS\_36291 and PHSS\_36293 – HP-UX 11.23 (IPF) Cell Manager / Installation Server
- 21 To utilize this feature following patches are required:  
PHSS\_37382 HP-UX 11.x (PA) Cell Manager / Installation Server  
PHSS\_37383 HP-UX 11.23 (IPF) Cell Manager / Installation Server  
DPSOL\_00321 Solaris 2.x Cell Manager / Installation Server
- 22 To utilize this feature following patches are required:  
PHSS\_37595 HP-UX 11.x (PA) Cell Manager / Installation Server

platform restrictions for supported operating systems		
operating system	supported processor platform	
HP-UX	PA-RISC	(HP-UX 11.0, 11.11, 11.23)
	Itanium	(HP-UX 11.23)
Windows	x86 and x86_64 <sup>1</sup>	(for 32-bit Windows)
	Itanium and x86_64 <sup>1</sup>	(for 64-bit Windows)
Linux	x86 and x86_64 <sup>1</sup>	(for 32-bit Linux)
	Itanium and x86_64 <sup>1</sup>	(for 64-bit Linux)
Sun Solaris	SPARC	
	X86 and x86_64 (Disk Agent only)	
OpenVMS	Alpha and Itanium	

<sup>1</sup> Includes support for AMD64 and EM64T Platforms

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

supported online database & application integrations		
databases	supported versions	
Oracle (32-bit) (Including Oracle Data Guard / Standby Database support for Oracle 9i and 10g) <sup>12</sup>	<ul style="list-style-type: none"> <li>Oracle 8.0.x/: Recovery Manager</li> <li>Oracle 8.1.x/: Recovery Manager</li> </ul>	HP-UX 11.0 (32 & 64-bit) Solaris 2.6 (32-bit), 7 (32 & 64-bit) HP-UX 11.0, 11.11(32 & 64-bit) Solaris 7, 8 & 9 (32 & 64-bit) AIX 5.1, 5.2 Windows2000 SuSE 8.x
	<ul style="list-style-type: none"> <li>Oracle 9i/: Recovery Manager <sup>4</sup></li> </ul>	Solaris 7, 8 & 9 (32 & 64-bit) Red Hat 8.x RHEL Advanced Server <sup>1</sup> 2.1, 3.0, 4.0 SuSE 8.x SuSE Linux Enterprise Server 8, 9 United Linux 1.0 Windows 2000, Windows 2003 <sup>24</sup> (32-bit)
	<ul style="list-style-type: none"> <li>Oracle 10g/: Recovery Manager<sup>6</sup></li> </ul>	Windows 2000, Windows 2003 <sup>24</sup> (32-bit) RHEL Advanced Server <sup>1</sup> 2.1, 3.0, 4.0 SuSE Linux Enterprise Server 8, 9
	<ul style="list-style-type: none"> <li>Oracle 11g/: Recovery Manager</li> </ul>	SuSE Linux Enterprise Server 9 Windows 2003 (32-bit)
Oracle (64-bit) (Including Oracle Data Guard / Standby Database support for Oracle 9i and 10g) <sup>12</sup>	<ul style="list-style-type: none"> <li>Oracle 8.0.x/: Recovery Manager</li> <li>Oracle 8.1.x/: Recovery Manager</li> </ul>	HP-UX 11.0 (64-bit) HP-UX 11.0 (64-bit), 11.11(64-bit) Solaris 7 & 8 & 9 (64-bit) AIX 5.1 (64-bit), 5.2 (64-bit)

	<ul style="list-style-type: none"> <li>Oracle 9i/: Recovery Manager<sup>4</sup></li> <li>Oracle 10g/: Recovery Manager<sup>6, 7</sup></li> </ul>	<p>Tru64 5.xx OpenVMS 7.3-1<sup>10</sup>, 7.3-2<sup>10</sup> HP-UX 11.0 (64-bit), 11.11 (64-bit) HP-UX 11.23 (64-bit) (Itanium &amp; PA-RISC) HP-UX 11.31 (PA-RISC ) HP-UX 11.31 (Itanium)<sup>32</sup> Solaris 7, 8, 9 &amp; 10<sup>16</sup> (64-bit) Windows 2003<sup>24</sup> (64-bit) (Itanium) AIX 5.1, 5.2 &amp; 5.3<sup>9</sup> (64-bit) Tru64 5.xx RHEL Adv. Server<sup>1</sup> 2.1, 3.0, 4.0 (Itanium &amp; x64)<sup>7, 15</sup> SuSE Linux Ent. Server 8, 9 (Itanium &amp; x64)<sup>7, 15</sup> United Linux 1.0 OpenVMS 7.3-1<sup>11</sup>, 7.3-2<sup>11</sup>, 8.2<sup>11</sup> HP-UX 11.0 (64-bit), 11.11 (64-bit) HP-UX 11.23 (64-bit) (Itanium &amp; PA-RISC) HP-UX 11.31 (64-bit) (Itanium<sup>32</sup> &amp; PA-RISC) Solaris 7, 8, 9 &amp; 10<sup>16</sup> (64-bit) Windows 2003<sup>24</sup> (64-bit) (Itanium &amp; x64<sup>30</sup>) AIX 5.1, 5.2 &amp; 5.3<sup>9</sup> (64-bit) Tru64 5.xx RHEL Adv. Server<sup>1</sup> 2.1, 3.0, 4.0 (Itanium &amp; x64)<sup>15</sup> SuSE Linux Ent. Server 8, 9 (Itanium &amp; x64)<sup>15</sup> OpenVMS 7.3-1<sup>11</sup>, 7.3-2<sup>11</sup>, 8.2<sup>11,34</sup>, 8.3<sup>34</sup></p>
Informix (32-bit)	<ul style="list-style-type: none"> <li>Informix 7.31:</li> <li>Informix IDS 9.3x:</li> <li>Informix IDS 9.40:</li> <li>Informix IDS 10.0:</li> </ul>	<p>HP-UX 11.0, 11.11 (32 &amp; 64-bit) Solaris 7 &amp; 8 (32 &amp; 64-bit) Windows 2000 HP-UX 11.0, 11.11 (32 &amp; 64-bit) Solaris 7 &amp; 8 (32 &amp; 64-bit) Windows 2000 HP-UX 11.0, 11.11 (32 &amp; 64-bit) Solaris 7, 8 &amp; 9 (32 &amp; 64-bit) Windows 2000, Windows 2003<sup>24</sup> (32-bit) Windows 2000, Windows 2003<sup>24</sup> (32-bit)</p>
Informix (64-bit)	<ul style="list-style-type: none"> <li>Informix 7.31:</li> <li>Informix IDS 9.3x:</li> <li>Informix IDS 9.40:</li> <li>Informix IDS 10.0:</li> </ul>	<p>HP-UX 11.0 (64-bit), 11.11 (64-bit) Solaris 7 &amp; 8 (64-bit) HP-UX 11.0 (64-bit), 11.11 (64-bit) Solaris 7 &amp; 8 (64-bit) Tru64 5.xx (64-bit) HP-UX 11.0 (64-bit), 11.11 (64-bit) HP-UX 11.23 (64-bit) (Itanium &amp; PA-RISC) Solaris 7, 8 &amp; 9 (64-bit) Tru64 5.xx AIX 5.1, 5.2 &amp; 5.3<sup>9</sup> (64-bit)<sup>8</sup> HP-UX 11.11 (64-bit) HP-UX 11.23 (64-bit) (Itanium &amp; PA-RISC) Solaris 8 &amp; 9 (64-bit) Tru64 5.xx AIX 5.2 &amp; 5.3<sup>9</sup> (64-bit)<sup>8</sup></p>
Sybase (32-bit)	<ul style="list-style-type: none"> <li>Sybase Adaptive Server Enterprise 12.0.x:</li> </ul>	<p>HP-UX 11.0, 11.11 (32 &amp; 64-bit) Solaris 7 &amp; 8 (32 &amp; 64-bit) Windows 2000</p>

	<ul style="list-style-type: none"> <li>• Sybase Adaptive Server Enterprise 12.5.x:</li> <li>• Sybase Adaptive Server Enterprise 15.0.x:</li> </ul>	<p>HP-UX 11.0, 11.11 (32 &amp; 64-bit) Solaris 7 &amp; 8 (32 &amp; 64-bit) Windows 2000, Windows 2003<sup>24</sup> (32-bit)</p> <p>Windows 2003 (32bit)<sup>24</sup></p>
Sybase (64-bit)	<ul style="list-style-type: none"> <li>• Sybase Adaptive Server Enterprise 11.9.3:</li> <li>• Sybase Adaptive Server Enterprise 12.0.x:</li> <li>• Sybase Adaptive Server Enterprise 12.5.x:</li> <li>• Sybase Adaptive Server Enterprise 15.0.x:</li> </ul>	<p>HP-UX (64-bit) 11.0, 11.11 Solaris 7 &amp; 8 (64-bit)</p> <p>HP-UX (64-bit) 11.0, 11.11 Solaris 7 &amp; 8 (64-bit)</p> <p>HP-UX (64-bit) 11.0, 11.11, 11.23 (PA-RISC) HP-UX 11.23 (Itanium)<sup>14</sup> Solaris 7, 8 &amp; 9 (64-bit)</p> <p>HP-UX (64-bit) 11.11, 11.23 (Itanium &amp; PA-RISC) Solaris 8 &amp; 9 (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> </ul>	<p>Windows 2000</p> <p>Windows 2000 Windows 2003<sup>24</sup> (32-bit)</p> <p>Windows 2003<sup>24</sup> (32-bit)</p>
Microsoft SQL Server (64-bit)	<ul style="list-style-type: none"> <li>• Microsoft SQL Server 2000:</li> <li>• Microsoft SQL Server 2005:</li> </ul>	<p>Windows 2003<sup>24</sup> (64-bit) (Itanium)</p> <p>Windows 2003<sup>24</sup> (64-bit) (Itanium<sup>20</sup>) Windows 2003<sup>24</sup> (64-bit) (X64<sup>21</sup>)</p>
Microsoft Exchange Server (including Single Mailbox, Single Folder Restore and Public Folder Restore <sup>22</sup> )	<ul style="list-style-type: none"> <li>• Microsoft Exchange Server 5.5:</li> <li>• Microsoft Exchange Server 2000:</li> <li>• Microsoft Exchange Server 2003:</li> </ul>	<p>Windows 2000</p> <p>Windows 2000</p> <p>Windows 2000 SP3 Windows 2003<sup>24</sup> (32-bit)</p>
IBM DB2 (32-bit)	<ul style="list-style-type: none"> <li>• IBM DB2 UDB 8.1:</li> <li>• IBM DB2 UDB 8.2:</li> </ul>	<p>HP-UX 11.0, 11.11 (32 &amp; 64-bit) AIX 5.1, 5.2 &amp; 5.3<sup>9</sup> (32 &amp; 64-bit) RHEL Adv. Server<sup>1</sup> 2.1, 3.0, 4.0 (32-bit) SuSE Linux Enterprise Server 8, 9 (32-bit) Windows 2000, 2003<sup>24</sup> (32-bit)</p> <p>RHEL Adv. Server<sup>1</sup> 2.1, 3.0, 4.0 (32-bit) SuSE Linux Enterprise Server 9 (32-bit) Windows 2000, 2003<sup>24</sup> (32-bit)</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> </ul>	<p>HP-UX 11.0, 11.11 (64-bit) AIX 5.1, 5.2 &amp; 5.3<sup>9</sup> (64-bit)</p> <p>HP-UX 11.11 (64-bit) HP-UX 11.23 (Itanium)<sup>19</sup> AIX 5.1, 5.2 &amp; 5.3<sup>9</sup> (64-bit)</p> <p>HP-UX 11.23 (64-bit) (PA-RISC and Itanium) Windows 2003 (32-bit)</p>
Lotus Notes, Lotus Domino (including Single Mailbox backup & Restore)	<ul style="list-style-type: none"> <li>• Lotus Domino/Notes R5:</li> <li>• Lotus Domino/Notes R6<sup>5</sup>:</li> <li>• Lotus Domino/Notes 6.5.x:</li> <li>• Lotus Domino/Notes 7.0:</li> </ul>	<p>HP-UX 11.0, 11.11 (32 &amp; 64-bit) Windows 2000</p> <p>Windows 2000, Windows 2003<sup>24</sup> (32-bit)</p> <p>Windows 2000, Windows 2003<sup>24</sup> (32-bit)</p> <p>Windows 2003 (32-bit)</p>
SAPDB / MaxDB (Online integration based on 'Backint for SAPDB / MaxDB')	<ul style="list-style-type: none"> <li>• SAPDB version 7.4x:</li> </ul>	<p>HP-UX 11.11 (32 &amp; 64-bit) Windows 2000 &amp; 2003<sup>24</sup> (32-bit) Windows 2003<sup>24</sup> (Itanium)<sup>31</sup> RHEL Adv. Server<sup>1</sup> 2.1, 3.0 (32-bit)</p>

	<ul style="list-style-type: none"> <li>• MaxDB version 7.5:</li> </ul>	<p>SuSE Linux Enterprise Server 8 (32-bit)  HP-UX 11.11 (32 &amp; 64-bit)  HP-UX 11.23 (PA-RISC) (64-bit)  HP-UX 11.23 (Itanium)<sup>13</sup>  Windows 2000 &amp; 2003<sup>24</sup> (32-bit)  Windows 2003<sup>24</sup> (Itanium)<sup>31</sup>  SuSE Linux Enterprise Server 8, 9 (32-bit)  RHEL Adv. Server<sup>1</sup> 2.1, 3.0 (32-bit)  RHEL Adv. Server 4.0 (64-bit X64)<sup>27</sup>  SuSE Linux Enterprise Server 9 (64-bit X64)<sup>27</sup></p>
	<ul style="list-style-type: none"> <li>• MaxDB version 7.6<sup>25</sup>:</li> </ul>	<p>HP-UX 11.11 (PA-RISC) (64-bit)  HP-UX 11.23 (PA-RISC) (64-bit)  HP-UX 11.23 (Itanium)<sup>13</sup>  HP-UX 11.31 (PA-RISC)  HP-UX 11.31 (Itanium)<sup>33</sup>  Windows 2003<sup>24</sup> (32-bit)  Windows 2003<sup>24</sup> (Itanium and x64)<sup>31</sup>  SuSE Linux Enterprise Server 9 (32-bit)  RHEL Adv. Server<sup>1</sup> 4.0 (32-bit)  RHEL Adv. Server 4.0 (64-bit X64)<sup>27</sup>  SuSE Linux Enterprise Server 9 (64-bit X64)<sup>27</sup></p>
SAP <sup>2</sup> (32-bit)	<ul style="list-style-type: none"> <li>• SAP R/3 3.1x:</li> <li>• SAP R/3 4.0:</li> <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 &amp; RMAN mode:</li> <li>• SAP Brtools 6.10, using backint &amp; RMAN mode</li> <li>• SAP Brtools 6.20, using backint &amp; RMAN mode</li> <li>• SAP Brtools 6.40, using backint &amp; RMAN mode</li> <li>• SAP Brtools 7.0, using backint &amp; RMAN mode</li> </ul>	<p>HP-UX 11.0 (32-bit)  HP-UX 11.0 (32 &amp; 64-bit)  HP-UX 11.0 (32 &amp; 64-bit)  Windows 2000  HP-UX 11.0 (32 &amp; 64-bit)  Solaris 2.6 (32-bit), 7, 8 (32 &amp; 64-bit)  HP-UX 11.0 (32 &amp; 64-bit)  HP-UX 11.11 (32 &amp; 64-bit)  Windows 2000  Solaris 7 &amp; 8 (32 &amp; 64-bit)  HP-UX 11.0 (32 &amp; 64-bit)  HP-UX 11.11 (32 &amp; 64-bit)  Linux SuSE 8.x  AIX 5.1, 5.2  Solaris 7, 8 (32 &amp; 64-bit)  Windows 2000  Windows 2000, Windows 2003<sup>24</sup> (32-bit)  SuSE Linux Enterprise server 8, 9  RHEL Advanced Server<sup>1</sup> 2.1, 3.0, 4.0  Windows 2000, Windows 2003<sup>24</sup> (32-bit)  RHEL Advanced Server<sup>1</sup> 2.1, 3.0  Windows 2000, Windows 2003<sup>24</sup> (32-bit)  SuSE Linux Enterprise server 8, 9  RHEL Advanced Server<sup>1</sup> 2.1, 3.0, 4.0  Windows 2000, Windows 2003<sup>24</sup> (32-bit)  SuSE Linux Enterprise server 8, 9  RHEL Advanced Server<sup>1</sup> 2.1, 3.0, 4.0  Windows 2003<sup>24</sup> (32-bit)  RHEL Advanced Server<sup>1</sup> 3.0, 4.0<sup>23</sup>  SuSE Linux Enterprise server 8, 9<sup>23</sup></p>

SAP <sup>2</sup> (64-bit)	<ul style="list-style-type: none"> <li>• SAP R/3 4.0:</li> <li>• SAP R/3 4.5, using backint &amp; RMAN mode:</li> <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 &amp; RMAN mode:</li> <li>• SAP Brtools 6.10, using backint &amp; RMAN mode:</li> <li>• SAP Brtools 6.20, using backint &amp; RMAN mode:</li> <li>• SAP Brtools 6.40, using backint &amp; RMAN mode:</li> <li>• SAP Brtools 7.0, using backint &amp; RMAN mode:</li> </ul>	<p>HP-UX 11.0 (64-bit)</p> <p>HP-UX 11.0 (64-bit)</p> <p>HP-UX 11.0 (64-bit), 11.11(64-bit)</p> <p>HP-UX 11.0 (64-bit), HP-UX 11.11(64-bit) Solaris 7 &amp; 8 (64-bit) Tru64 5.xx (64-bit)</p> <p>HP-UX 11.0 (64-bit), 11.11(64-bit) HP-UX 11.23 (64-bit) (Itanium &amp; PA-RISC) Windows 2003<sup>24</sup> (64-bit) (Itanium) Windows 2003 (64-bit X64)<sup>28</sup> Solaris 8 &amp; 9 (64-bit) Tru64 5.xx AIX 5.1, 5.2 &amp; 5.3<sup>9</sup> (64-bit) RHEL Adv. Server<sup>1</sup> 2.1, 3.0, 4.0 (Itanium and x64<sup>18</sup>) SuSE Linux Ent. server 8, 9 (Itanium and x64<sup>18</sup>)</p> <p>HP-UX 11.0 (64-bit), 11.11(64-bit) Solaris 7 &amp; 8 (64-bit) Tru64 5.xx (64-bit) AIX 5.1, 5.2 &amp; 5.3<sup>9</sup> (64-bit)</p> <p>HP-UX 11.0 (64-bit), 11.11(64-bit) HP-UX 11.23 (64-bit) (Itanium &amp; PA-RISC) Windows 2003<sup>24</sup> (64-bit) (Itanium) Solaris 8 &amp; 9 (64-bit) AIX 5.1, 5.2 &amp; 5.3<sup>9</sup> (64-bit) Tru64 5.xx (64-bit) RHEL Adv. Server<sup>1</sup> 2.1, 3.0, 4.0 (Itanium) SuSE Linux Enterprise server 8, 9 (Itanium)</p> <p>HP-UX 11.0 (64-bit), 11.11(64-bit) HP-UX 11.23 (64-bit) (Itanium &amp; PA-RISC) Windows 2003<sup>24</sup> (64-bit) (Itanium) Solaris 8, 9 &amp; 10<sup>23</sup> (64-bit) Tru64 5.xx AIX 5.1, 5.2 &amp; 5.3<sup>9</sup> (64-bit) RHEL Adv. Server<sup>1</sup> 2.1, 3.0, 4.0 (Itanium and x64<sup>18</sup>) SuSE Linux Ent. server 8, 9 (Itanium and x64<sup>18</sup>)</p> <p>HP-UX 11.11(64-bit) HP-UX 11.23 (64-bit) (Itanium<sup>23</sup> &amp; PA-RISC) HP-UX 11.31 (64-bit) (Itanium)<sup>33 35</sup> Windows 2003<sup>24</sup> (64-bit) (Itanium) Windows 2003 (64-bit X64)<sup>28</sup> Solaris<sup>26</sup> 9,10 AIX 5.2 &amp; 5.3 (64-bit)<sup>26</sup> RHEL Adv. Server<sup>1</sup> 3.0, 4.0 (Itanium)<sup>23</sup> RHEL Adv. Server 4.0 (64-bit X64)<sup>18,35</sup> SuSE Linux Ent. Server 9 (Itanium)<sup>23</sup> SuSE Linux Ent. Server 9 (64-bit X64)<sup>18, 35</sup></p>
Baan IV <sup>3</sup>	<ul style="list-style-type: none"> <li>• Baan IV on Oracle, Informix, Microsoft SQL Server and Sybase (see versions above)</li> </ul>	
Novell GroupWise <sup>29</sup>	<ul style="list-style-type: none"> <li>• Novell GroupWise 6.x</li> </ul>	

<sup>1</sup> Includes support for Red Hat Enterprise Linux Advanced Workstation and Enterprise Server also



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

SAP database backup and archive log backup for the same SID in parallel is supported, while multiple SAP database backups for the same SID are not supported.

For more information how to configure SAP database and archive log backups please refer to the Data Protector Integration Guide for Oracle and SAP.

- 3 Baan users with Oracle, Informix, Microsoft SQL Server or Sybase databases can back up their application data by following the instructions for the integration of Data Protector and their database in the HP OpenView Storage Data Protector 5.5 Integration Guide.
- 4 Oracle 9i covers all released versions of Oracle 9.x.x.x
- 5 In Lotus Domino/Notes R6 (6.0.x), there is a bug in the Domino/Notes backup API. This affects incremental backups, but has been resolved by IBM. IBM provides this fix to their customers on request. The customer can get the fix for their version of R6 from IBM and use it with DP. The customer should open PMR referencing PMR# 66931,004,000 and SPR# WMUH5PJNN4 directly with Lotus Customer Service and mention that a hotfix is required.
- 6 Oracle 10g covers all released versions of Oracle 10.x.x.x. Only the functionality supported in Oracle 9i and backup and restore to Flash Recovery Area are currently supported, however backup and restore of Flash Recovery Area itself is not supported. New features released in Oracle 10g will be supported at a later date.
- 7 Restore from Data Protector GUI is not yet supported for 64-bit Unix platforms.
- 8 To utilize this feature the following patches are required:  
PHSS\_32329 – HP-UX 11.x (PA) Cell Manager/Installation Server  
PHSS\_32343 – HP-UX 11.23 (IPF) Cell Manager/Installation Server  
DPSOL\_00130 – Solaris 2.x Cell Manager/Installation Server
- 9 To utilize this feature the following patches are required:  
PHSS\_32323 – HP-UX 11.x (PA) Cell Manager / Installation Server  
PHSS\_32324 – HP-UX 11.23 (IPF) Cell Manager / Installation Server  
DPSOL\_00125 – Solaris 2.x Cell Manager / Installation Server
- 10 To utilize this feature following patches are needed: DPWIN\_00360 (Cell Console), DPWIN\_00333 (Cell Server)
- 11 To utilize this feature following patch is needed: DPWIN\_00133
- 12 The white papers are available at the following location: <http://www.hp.com/support/manuals/> Please select “Storage Software” and Data Protector 5.5 thereafter.
- 13 To utilize this feature following site specific patch is needed: SSPUXIA550\_001
- 14 To utilize this feature following patches are required:  
PHSS\_37151 – For HP-UX 11.x (PA) Cell Manager / Installation Server  
PHSS\_37152 – For HP-UX (Itanium) Cell Manager / Installation Server  
DPSOL\_00274 – For Solaris Cell Manager / Installation Server
- 15 For support of 64-bit Oracle on SuSE Linux Enterprise Server and Redhat Enterprise Linux running on x86\_64 processors (Linux x64), site specific patches are needed: PHSS\_37382/ PHSS\_37383/ DPSOL\_00321
- 16 To utilize this feature following patches are required:  
PHSS\_36294 – For HP-UX (PA-RISC) Cell Manager / Installation Server  
PHSS\_36295 – For HP-UX (Itanium) Cell Manager / Installation Server  
DPSOL\_00271 – For Solaris Cell Manager / Installation Server
- 17 To utilize this feature following patch is needed: DPWIN\_00366
- 18 To utilize this feature following site specific patch is needed:  
SAP: PHSS\_37747/ PHSS\_37748/DPSOL\_00328  
Core: PHSS\_37382/ PHSS\_37383/DPSOL\_00321
- 19 To utilize this feature following patches are required:  
PHSS\_34144 – For HP-UX (PA-RISC) Cell Manager / Installation Server  
PHSS\_34145 – For HP-UX (Itanium) Cell Manager / Installation Server  
DPSOL\_0182 – For Solaris Cell Manager / Installation Server
- 20 SQL 2005 hotfix 912021 from Microsoft is required for this integration to work. This hotfix is included in SQL Server 2005 Service Pack 1.

- 21 To utilize this feature following patch is needed: DPWIN\_00366. Please note that tail-logs feature is not supported. Also, 'force' option needs to be set when performing restore.
- 22 To utilize this feature following patches are needed: DPWIN\_00360 (Cell Console)
- 23 To utilize this feature following patches are required:  
 PHSS\_37747 – For HP-UX (PA-RISC) Cell Manager / Installation Server  
 PHSS\_37748 – For HP-UX (Itanium) Cell Manager / Installation Server  
 DPSOL\_00328 – For Solaris Cell Manager / Installation Server
- 24 Includes support for Windows 2003 R2 and Windows Storage Server 2003 R2 where applicable
- 25 To utilize this feature following patches are required:  
 PHSS\_37751 – For HP-UX (PA-RISC) Cell Manager / Installation Server  
 PHSS\_37752 – For HP-UX (Itanium) Cell Manager / Installation Server  
 DPSOL\_00330 – For Solaris Cell Manager / Installation Server
- 26 To utilize this feature following patches are required:  
 PHSS\_37747 – For HP-UX (PA-RISC) Cell Manager / Installation Server  
 PHSS\_37748 – For HP-UX (Itanium) Cell Manager / Installation Server  
 DPSOL\_00328- For Solaris Cell Manager / Installation Server
- 27 To utilize this feature following patches are required:  
 PHSS\_37382 – HP-UX 11.x (PA) Cell Manager / Installation Server  
 PHSS\_37383 – HP-UX 11.23 (IPF) Cell Manager / Installation Server  
 DPSOL\_00321 – Solaris 2.x Cell Manager / Installation Server
- 28 To utilize this feature following patch is needed: DPWIN\_00344
- 29 This is a whitepaper based solution The whitepaper is available at the following location:  
<http://www.hp.com/support/manuals/> Please select "Storage Software" and Data Protector 5.5 thereafter.
- 30 To utilize this feature following patch is needed: DPWIN\_00335
- 31 To utilize this feature following patches are needed: DPWIN\_00371, DPWIN\_00359
- 32 To utilize this feature following patches are needed: SSPUX550\_162, SSPSOL550\_045
- 33 To utilize this feature following patches are needed:  
 PHSS\_37747/PHSS\_37748/DPSOL\_00328  
 PHSS\_37751/PHSS\_37752/DPSOL\_00330
- 34 To utilize this feature following patch is needed: DPWIN\_00311
- 36 PHSS\_37747/PHSS\_37748/DPSOL\_00328

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

Supported OpenView applications	
application	supported versions
HP OpenView Operations UNIX and WINDOWS	<ul style="list-style-type: none"> <li>OVO/Unix Management Server English and Japanese: OVO/Unix 6.0 including Service Navigator 6.x is supported on HP-UX 11.0, Solaris 8</li> <li>OVO/Unix 7.10 including Service Navigator 7.x is supported on HP-UX 11.0, 11.11, Solaris 8</li> <li>OVO/Unix Management Server English and Japanese OVO/Unix 8.10 including Service Navigator 8.x is supported on HP-UX 11.0, HP-UX 11.11</li> <li>OVO/Unix Management Server English and Japanese OVO/Unix 8.20<sup>1</sup> including Service Navigator 8.x is supported on HP-UX 11.23 (IA)</li> <li>OVO/Unix Managed Node (= Data Protector Cell Server):</li> </ul>

OVO/Unix Agent 6.xx :	HP-UX 11.0, HP-UX 11.11 Solaris 8, Solaris 9 Windows 2000, Win XP PRO (32bit)
OVO/Unix Agent 7.10:	HP-UX 11.0, HP-UX 11.11 Solaris 8, Solaris 9 Windows 2000, Win XP PRO (32bit)
OVO/Unix Agent 8.10:	
HTTPS Agents	HP-UX 11.0, HP-UX 11.11 Solaris 8, Solaris 9 Windows 2000, Win XP PRO (32bit) Windows Server 2003
DCE Agents	HP-UX 11.0, HP-UX 11.11 Solaris 8, Solaris 9 Windows 2000, Win XP PRO (32bit) Windows Server 2003
OVO/Unix Agent 8.2x:	
HTTPS Agents	HP-UX 11.0, HP-UX 11.11, HP-UX 11.23 Solaris 8, Solaris 9 Windows 2000, Win XP PRO (32bit) Windows Server 2003
DCE Agents	HP-UX 11.0, HP-UX 11.11, HP-UX 11.23 Solaris 8, Solaris 9 Windows 2000, Win XP PRO (32bit) Windows Server 2003
<ul style="list-style-type: none"> <li>• OVO/Windows Management Server English and Japanese:     OVO/Windows 7.1 is supported on Windows 2000     OVO/Windows 7.2x is supported on Windows 2000, Windows 2003</li> <li>• OVO/Windows Managed Node (= Data Protector Cell Server):     OVO/Windows 7.1 Agent: HP-UX 11.0, HP-UX 11.11, Solaris 8     Windows 2000, Win XP PRO (32bit)     Windows 2003     OVO/Windows 7.2x Agent: HP-UX 11.0, HP-UX 11.11, HP-UX 11.23     Solaris 8, Solaris 9     Windows 2000, Win XP PRO (32bit)     Windows 2003     OVO/Windows 7.5x Agent: HP-UX 11.0, HP-UX 11.11, HP-UX 11.23     Solaris 8, Solaris 9     Windows 2000, Win XP PRO (32bit)     Windows 2003</li> <li>• OV Performance Agent on OVO/Unix or OVO/Windows Managed Node (= Data Protector Cell Server):     OVO Performance Agent C.03.70: HP-UX 11.0, HP-UX 11.11     OVO Performance Agent C.03.75: Solaris 8, Solaris 9</li> </ul>	

	OVO Performance Agent C.03.65:	Windows 2000, Win XP PRO (32bit) Windows 2003
HP OpenView Network Node Manager <sup>2</sup>	<ul style="list-style-type: none"> <li>HP OpenView Network Node Manager 6.2:</li> <li>HP Open View Network Node Manager 7.01:</li> </ul>	HP-UX 11.0 Windows 2000 HP-UX 11.0, HP-UX 11.11 Solaris 7, 8 and 9
HP OpenView Service Desk	<ul style="list-style-type: none"> <li>HP OpenView Service Desk 4.5:</li> </ul>	Windows 2000
HP OpenView Reporter <sup>3</sup>	<ul style="list-style-type: none"> <li>HP OpenView Reporter 3.5:</li> </ul>	Windows 2000
SIP <sup>4</sup>	<ul style="list-style-type: none"> <li>HP OpenView SIP 3.0:</li> </ul>	HP-UX 11.0, 11.11

<sup>1</sup> To utilize this feature following site specific patch is needed: SSPSPIUX550\_001

<sup>2</sup> Data Protector integrates with the Solid database in Network Node Manager for an online backup of the database.

<sup>3</sup> ReporterLite version available only on Windows Management server ( OVO 7.2 onwards)

<sup>4</sup> Data protector supports direct integration with SIP 3.0

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

array	type supported
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>

<sup>1</sup> Please refer to the “hp OpenView Storage Data protector 5.5 Zero Downtime (Split-mirror) backup & Instant Recovery support matrix for HP StorageWorks Disk Array XP” for further details on the integration.

<sup>2</sup> Please refer to the “hp OpenView Storage Data Protector 5.5 EMC split-mirror backup integration support matrix” for further details on the integration.

<sup>3</sup> Please refer to the “hp OpenView Storage Data Protector 5.5 Zero Downtime Backup & Instant Recovery support matrix for HP StorageWorks Virtual Array” for further details on the integration.

<sup>4</sup> Please refer to the “hp OpenView Storage Data Protector 5.5 Zero Downtime Backup support matrix for HP StorageWorks Enterprise Virtual Array using EVA Agent” and “hp OpenView Storage Data Protector 5.5 Instant Recovery & Zero Downtime Backup Support Matrix for HP StorageWorks Enterprise Virtual Array using SMI-S agent” for further details on the integration.

<sup>5</sup> This support is true if Zero Downtime Backup feature is used. If the Zero Downtime backup is not used, then there is no limitation for the supported arrays. In such a case the hardware would be transparent to Data Protector.

### Other supported applications

application agents	supported databases / integrations
HP OpenView Storage Data Protector Open File Manager	<ul style="list-style-type: none"> <li>HP OpenView Storage Data Protector: Open File Manager 8.x</li> </ul>
	Windows 2000 NetWare 5.1, 6.0

	<ul style="list-style-type: none"> <li>HP OpenView Storage Data Protector: Open File Manager 9.x</li> </ul>	Windows 2000 Windows 2003 Windows XP NetWare 5.1, 6.0, 6.5
HP StorageWorks File System Extender & File Migration Agent	<ul style="list-style-type: none"> <li>FSE Server<sup>7</sup> 3.4</li> <li>FSE Client<sup>7</sup> 3.x</li> </ul>	Windows 2003 <sup>3</sup> Windows 2000 <sup>3</sup> Windows 2003 <sup>3</sup> RedHat Enterprise Linux 3.0 <sup>4</sup> SuSE Linux Enterprise Server 8 <sup>4</sup>
	<ul style="list-style-type: none"> <li>FMA Client 2.1<sup>6</sup></li> </ul>	Windows 2000 Windows 2003 RedHat Enterprise Linux 3.0 SuSE Linux Enterprise Server 8
Citrix Metaframe <sup>1</sup>	<ul style="list-style-type: none"> <li>Citrix Meta Frame version 1.0 Service Pack 3:</li> </ul>	Windows 2003
HP OpenView OmniStorage	<ul style="list-style-type: none"> <li>HP OpenView OmniStorage 3.12:</li> </ul>	HP-UX 11.0
VMware	<ul style="list-style-type: none"> <li>VMware ESX Server 2.x <sup>2</sup></li> <li>VMware ESX Server 3.x <sup>2</sup></li> </ul>	
VMware Consolidated Backup	<ul style="list-style-type: none"> <li>VMware Consolidated Backup 1.0.x <sup>5</sup></li> </ul>	
HP VSE 1.5, 2.0 (DP agents in the Virtual Machines)	<ul style="list-style-type: none"> <li>HP-UX 11.23 (Itanium) Virtual Machine</li> <li>Windows 2003 (Itanium) Virtual Machine</li> </ul>	

- <sup>1</sup> If the Citrix Database is based on one of the Databases for which online integrations is supported, then that integration is used for online backup of the Citrix database. Otherwise Open File Backup should be used for this purpose. In case of backing up the data other than Database, normal Disk Agent should be used. Also Data Protector Cell Manager and Citrix can co-exist on the same server.
- <sup>2</sup> This integration requires a set of scripts to be used. These scripts and the whitepaper for the same can be downloaded at the following location: <http://www.hp.com/go/dataprotector> Please click "patches and utilities" and Data Protector 5.5 thereafter. Then click "cross operating systems"
- <sup>3</sup> To utilize this feature, the following Site Specific Patch is needed: SSPNT550\_095
- <sup>4</sup> To utilize this feature, the following Patch is needed: DPWIN\_00360
- <sup>5</sup> This integration requires a set of scripts to be used. These scripts and the whitepaper for the same can be downloaded at the following location: <http://www.hp.com/go/dataprotector> Please click "patches and utilities" and Data Protector 5.5 thereafter. Then click "cross operating systems"
- <sup>6</sup> To utilize this feature, the following omnirc variable needs to be set: OB2FSEBACKUPALL=1
- <sup>7</sup> This integration requires a set of scripts to be used. These scripts and the whitepaper for the same can be downloaded at the following location: <http://www.hp.com/support/manuals/> Please select "Storage Software" and Data Protector 5.5 thereafter.

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

## Supported clusters

cluster software	supported cluster software version
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HP MC/ServiceGuard (Incl. Veritas CFS)	HP MC/ServiceGuard 11.xx: HP MC/ServiceGuard 11.xx: HP MC/ServiceGuard 11.xx: HP MC/ServiceGuard for Linux: <sup>3</sup> HP MC/ServiceGuard for Linux: <sup>3</sup>	HP-UX 11.0 HP-UX 11.11 HP-UX 11.23 (Itanium and PA-RISC) Red Hat Enterprise Linux 2.1, 3.0, 4.0 SuSE Linux Enterprise Server 8, 9
Microsoft Cluster Server	Microsoft Cluster Server:  Microsoft Majority Node Cluster (ASR and Cell Manager not supported)	Windows 2000 Windows 2003 (32-bit) Windows 2003 (64-bit) (Itanium) Windows 2003 (64-bit) (x64) <sup>5</sup> Disk Agent support only Windows 2003 (32-bit)
Tru64 Cluster <sup>1</sup>	TruCluster 5.x Disk Agent, Oracle, SAP, Media Agent:	Tru64 5.xx
Veritas Cluster Server	Veritas Cluster Server 1.3 (Disk Agent Support only): Veritas Cluster Server 2.0 (Disk Agent Support only): Veritas Cluster Server 3.5 (Disk Agent Support only): Veritas Cluster Server 4.1 (Disk Agent and Oracle Support only): Veritas Cluster Server 4.3 (Exchange 2003 and SAP brtools 7.0 support only)	Solaris 7 & 8 Solaris 7 & 8 Solaris 7 & 8 Solaris 8, 9 & 10 Windows 2003 (32-bit)
Netware Cluster	Netware Cluster Services 1.6: Netware Cluster Services 1.7:	Netware 6.0 Netware 6.5
OpenVMS Cluster <sup>2</sup>	OpenVMS Cluster (Disk Agent & Media Agent support)	
EFS Clustered Gateway	EFS Clustered Gateway (Disk Agent and Media Agent)	SuSE Linux Enterprise Server 9 <sup>7</sup> Windows 2003 (X64) (64-bit) <sup>6</sup>
Polyserve Matrix Server	Polyserve Matrix Server (Disk Agent and Media Agent)	Windows 2003 (X64) (64-bit) <sup>6</sup>
GFS Cluster	Red Hat Global File System Cluster (Disk Agent Support only)	Red Hat Enterprise Linux 3.0 (32-bit) <sup>4</sup>
HACMP	HACMP v5.3 (Disk Agent and SAP)	AIX 5.x

<sup>1</sup> The document describing the procedure of installing and configuring Data Protector in a Tru64 Cluster is available at the following URL: <http://www.hp.com/support/manuals/> Please select "Storage Software" and Data Protector 5.5 thereafter.

<sup>2</sup> Installation & Configuration information (in DP environment) available in *HP OpenView Storage Data Protector Installation and Licensing guide*.

<sup>3</sup> The document describing the procedure of installing and configuring Data Protector in a MCSG Cluster with Linux is available at the following URL: <http://www.hp.com/support/manuals/> Please select "Storage Software" and Data Protector 5.5 thereafter.

<sup>4</sup> To utilize this feature following site specific patch is needed: SSPNT550\_097

<sup>5</sup> To utilize this feature following patch is needed: DPWIN\_00359

<sup>6</sup> To utilize this feature following patch is required: DPWIN\_00376

7 To utilize this feature following patches are required: PHSS\_37382, PHSS\_37383, DPSOL\_00321

supported application clusters	
software clusters / clustered applications	supported versions / operating systems
Oracle 9i RAC (including OCFS and CRS wherever applicable)	<ul style="list-style-type: none"> <li>Red Hat Enterprise Linux 2.1, 3.0, 4.0</li> <li>SuSE Linux Enterprise Server 8, 9</li> <li>HP-UX 11.0, HP-UX 11.11, HP-UX 11.23 (with MC/ServiceGuard and Veritas CFS Wherever applicable)</li> <li>Windows 2000, 2003 (32-bit and Itanium)</li> <li>Solaris 8, 9, 10 (using Veritas Cluster server)</li> <li>Tru64 5.xx</li> <li>AIX 5.1, 5.2 5.3</li> </ul>
Oracle 10g RAC (including OCFS and CRS wherever applicable)	<ul style="list-style-type: none"> <li>Red Hat Enterprise Linux 2.1, 3.0, 4.0<sup>5</sup></li> <li>SuSE Linux Enterprise Server 8, 9</li> <li>HP-UX 11.0, HP-UX 11.11, HP-UX 11.23 (with MC/ServiceGuard and Veritas CFS wherever applicable)</li> <li>Windows 2000, 2003 (32-bit and Itanium)</li> <li>Solaris 8, 9, 10 (using Veritas Cluster server)</li> <li>Tru64 5.xx</li> <li>AIX 5.1, 5.2 5.3</li> </ul>
Lotus Domino 6 Cluster <sup>2</sup>	<ul style="list-style-type: none"> <li>Windows 2000, Windows 2003 (32-bit)</li> </ul>
IBM DB2 V8 Partitioned Database <sup>3</sup>	<ul style="list-style-type: none"> <li>AIX 5.1, 5.2 &amp; 5.3 (64-bit)<sup>4</sup></li> </ul>

<sup>2</sup> This is a whitepaper based solution The whitepaper is available at the following location:  
<http://www.hp.com/support/manuals/> Please select "Storage Software" and Data Protector 5.5 thereafter.

<sup>3</sup> To utilize this feature following patches are required:  
 HP-UX 11.x (PA) Cell Manager / Installation Server: PHSS\_32330  
 HP-UX 11.23 (IPF) Cell Manager / Installation Server: PHSS\_32341  
 Solaris 2.x Cell Manager / Installation Server: DPSOL\_00129  
 In addition DB2 Fix pack 7 is required. Additional configuration, backup and restore procedures are described in a whitepaper, which is available at the following location: <http://www.hp.com/support/manuals/> Please select "Storage Software" and Data Protector 5.5 thereafter.

<sup>4</sup> To utilize this feature the following patches are required:  
 PHSS\_32323 – HP-UX 11.x (PA) Cell Manager / Installation Server  
 PHSS\_32324 – HP-UX 11.23 (IPF) Cell Manager / Installation Server  
 DPSOL\_00125 – Solaris 2.x Cell Manager / Installation Server

<sup>5</sup> To utilize this feature the following patches are required:  
 SSPUX550\_032 and SSPUX550\_142 - Oracle integration  
 SSPUX550\_068 - Media Agent  
 SSPUX550\_069 - Disk Agent

supported file systems	
operating system	file systems
Windows 2000	<ul style="list-style-type: none"> <li>NTFS 3.0(Including Image Backup)</li> </ul>

	<ul style="list-style-type: none"> <li>• FAT16, FAT32</li> <li>• CIFS</li> </ul>
Windows XP Pro/2003	<ul style="list-style-type: none"> <li>• NTFS 3.1 (Including Image Backup)</li> <li>• FAT16, FAT32</li> <li>• CIFS</li> </ul>
Windows XP 64/2003	<ul style="list-style-type: none"> <li>• NTFS 3.1 (Including Image Backup of MBR disks only)</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<sup>1</sup></li> </ul>
HP-UX	<ul style="list-style-type: none"> <li>• HFS (Including Rawdisk)</li> <li>• NFS</li> <li>• LOFS (Loopback FS)</li> <li>• VxFS (Including Rawdisk)</li> <li>• DCE DFS</li> <li>• EVFS (HP-UX 11.23 only/as rawdisc backup)</li> </ul>
Solaris <sup>2</sup>	<ul style="list-style-type: none"> <li>• UFS</li> <li>• NFS</li> <li>• PC FS (MSOS compatible FS)</li> <li>• HSFS</li> <li>• VxFS</li> <li>• Tmp FS</li> <li>• LOFS (Loopback FS)</li> </ul>
IBM AIX <sup>2</sup>	<ul style="list-style-type: none"> <li>• AIX physical FS "oaix"</li> <li>• JFS (Journaling FS)</li> <li>• JFS2</li> </ul>
SGI IRIX <sup>2</sup>	<ul style="list-style-type: none"> <li>• EFS (Extent File System)</li> <li>• XFS (IRIX Journaling FS)</li> </ul>
SNI Sinix <sup>2</sup>	<ul style="list-style-type: none"> <li>• HSFS (High Sierra FS)</li> <li>• UFS (UNIX File System)</li> <li>• VxFS</li> </ul>
SCO OpenServer <sup>2</sup>	<ul style="list-style-type: none"> <li>• HTFS (High Throughput FS)</li> <li>• DTFS</li> <li>• S51K</li> <li>• S52K</li> </ul>
SCO Unixware <sup>2</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>2</sup>	<ul style="list-style-type: none"> <li>• UFS (UNIX FS)</li> <li>• AdvFS (Advanced File System)</li> </ul>
Linux (Red Hat, SuSe, Caldera & Debian) <sup>2</sup>	<ul style="list-style-type: none"> <li>• ext3, ext2, ext, minix, xiafs, ReiserFS</li> <li>• VxFS<sup>3</sup>, VFAT<sup>3</sup>, XFS<sup>3</sup></li> <li>• SFS<sup>3</sup></li> <li>• GFS (for RHEL 3.0 (32-bit) only)</li> </ul>
Open VMS	<ul style="list-style-type: none"> <li>• ODS-2</li> <li>• ODS-5</li> </ul>

<sup>1</sup> Novell NetWare NSS is supported with the following limitations:

- The new NSS volumes on NetWare 5.x allow creation of deep directory structures (deeper than 100). Data Protector can back up only to a depth of 100.
- NetWare 5.x NSS volumes allow 8 TB file size, but the maximum file size that Data Protector backs up is 4 GB.
- NetWare 5.x has an NSS\_ADMIN volume on every system with NSS volumes present. This is a special read-



only volume that contains information about NSS volume configuration. NSS\_ADMIN is not backed up.

<sup>2</sup> Raw Disk Backup is supported. On Tru64, this is not true if LSM is present

<sup>3</sup> To utilize this feature following patches are required:

PHSS\_37382 - HP-UX 11.x (PA) Cell Manager / Installation Server

PHSS\_37383 - HP-UX 11.23 (IPF) Cell Manager / Installation Server

DPSOL\_00321 - Solaris 2.x Cell Manager / Installation Server

ACL support in data protector 5.5		
operating system	file system	number of ACL entries (basic/extended)
Windows 2000	NTFS	Unlimited
Windows XP Pro	NTFS	Unlimited
Windows 2003	NTFS	Unlimited
Windows XP 64	NTFS	Unlimited
Novell Netware	NetWare FS (MAC, NFS, OS/2, DOS) <sup>1</sup>	512
Novell Netware	NSS	Unlimited
HP-UX	HFS	3/16
HP-UX	VxFS	4/17
IBM AIX	AIX (Physical FS 'oaix')	1024 (4096 bytes)
OpenVMS	ODS-2, ODS-5	Not Applicable
Solaris	UFS, VxFS (3.5)	1024

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