



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

Version: 1.6

Date: April 1, 2005

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 (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 (IA64) -- 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 (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 (IA64) -- 11.23<sup>2, 3</sup></li> <li>• Solaris 7, 8 &amp; 9</li> </ul>
Graphical User Interface	<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 (32-bit)</li> <li>• Windows 2003 (64-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</li> </ul>
Managers-of-Managers (MoM)	<ul style="list-style-type: none"> <li>• Windows 2000</li> <li>• Windows XP PRO</li> <li>• Windows 2003 (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> </ul>
Backup Device Server (media agent), including robotic control	<ul style="list-style-type: none"> <li>• Windows 2000</li> <li>• Windows XP PRO, XP (64-bit)</li> <li>• Windows 2003 (32-bit)</li> <li>• Windows 2003 (64-bit)</li> <li>• Novell NetWare 5.1<sup>1</sup>, 6.0<sup>1</sup>, 6.5<sup>1</sup></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 (IA64) -- 11.23<sup>2, 3</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></li> <li>• Sun Solaris<sup>4</sup> 2.6, 7, 8, 9</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): Redhat 8.x <ul style="list-style-type: none"> <li>Redhat Enterprise Linux<sup>5</sup> -- Advanced Server 2.1, 3.0</li> <li>SuSE Linux Enterprise Server (SLES) 8</li> <li>United Linux 1.0</li> <li>Linux SuSe 8.x</li> <li>Linux Debian 3.0</li> </ul> </li> <li>• Linux (64-bit): Red Hat Enterprise Linux<sup>5</sup> – Advanced Server 2.1, 3.0 <ul style="list-style-type: none"> <li>SuSE Linux Enterprise Server (SLES) 8</li> <li>United Linux 1.0</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.5.1, 5.2</li> <li>• SNI Sinix 5.4.3, 5.4.4</li> <li>• SCO OpenServer5.0.6</li> </ul>
Backup Agents (disk agents)	<ul style="list-style-type: none"> <li>• Windows ME<sup>1</sup></li> <li>• Windows 2000</li> <li>• Windows XP HE<sup>1</sup></li> <li>• Windows XP PRO</li> <li>• Windows XP (64-bit)</li> <li>• Windows 2003 (32-bit)</li> <li>• Windows 2003 (64-bit)</li> <li>• Novell NetWare , 5.1<sup>1</sup>, 6.0<sup>1</sup>, 6.5<sup>1</sup></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 (IA64) -- 11.23<sup>2, 3</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<sup>4</sup> 2.6, 7, 8, 9</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</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></li> <li>• Linux (32-bit): Red Hat 8.x <ul style="list-style-type: none"> <li>Red Hat Enterprise Linux<sup>5</sup> -- Advanced Server 2.1, 3.0, 4.0</li> <li>SuSE Linux Enterprise Server (SLES) 8, 9</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</li> </ul> </li> <li>• Linux (64-bit): Red Hat Enterprise Linux<sup>5</sup> – Advanced Server 2.1, 3.0, 4.0 <ul style="list-style-type: none"> <li>SuSE Linux Enterprise Server (SLES) 8, 9</li> <li>United Linux 1.0</li> <li>Debian Linux 3.0</li> </ul> </li> <li>• Additional UNIX platforms via NFS (on unix systems)</li> <li>• Additional platforms via shared disks</li> </ul>

- 1 Push installation not possible, need to be installed locally
- 2 NIS+ is supported in a DNS environment
- 3 HP-UX 11.11 is HP-UX 11i version 1.0.  
HP-UX 11.23 is HP-UX 11i version 2.0
- 4 For Solaris – SunOS version compatibility, please refer to the Sun website.
- 5 Includes support for Red Hat Enterprise Linux Advanced Workstation and Enterprise Server where applicable

- 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

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

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

supported online database & application integrations		
databases	supported versions	
Oracle (32-bit) (including Oracle Parallel Server & RAC) <sup>4</sup>	• Oracle 8.0.x/Recovery Manager:	HP-UX 11.0 (32 & 64-bit) Solaris 2.6 (32-bit), 7 (32 & 64-bit)
	• Oracle 8.1.x/Recovery Manager:	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
	• Oracle 9i/Recovery Manager <sup>6</sup> :	Solaris 7, 8 & 9 (32 & 64-bit) Red Hat 8.x RHEL Advanced Server <sup>1</sup> 2.1, 3.0 SuSE 8.x SuSE Linux Enterprise Server 8, 9 United Linux 1.0 Windows 2000, Windows 2003 (32-bit)
	• Oracle 10g/Recovery Manager <sup>8</sup> :	Windows 2000, Windows 2003 (32-bit) RHEL Advanced Server <sup>1</sup> 2.1, 3.0 SuSE Linux Enterprise Server 8, 9
Oracle (64-bit) (including Oracle Parallel Server, RAC and OCFS wherever applicable) <sup>4</sup>	• Oracle 8.0.x/Recovery Manager:	HP-UX 11.0 (64-bit)
	• Oracle 8.1.x/Recovery Manager:	HP-UX 11.0 (64-bit), 11.11(64-bit) Solaris 7 & 8 & 9 (64-bit) AIX 5.1 (64-bit), 5.2 (64-bit) Tru64 5.xx

	<ul style="list-style-type: none"> <li>Oracle 9i/Recovery Manager<sup>6</sup>:</li> </ul>	HP-UX 11.0 (64-bit), 11.11 (64-bit) HP-UX 11.23 (64-bit) (IA-64 & PA-RISC) Solaris 7, 8 & 9 (64-bit) Windows 2003 (64-bit) AIX 5.1, 5.2 & 5.3 <sup>12</sup> (64-bit) Tru64 5.xx RHEL Adv. Sever <sup>1</sup> 2.1 & 3.0 (64-bit) SuSE Linux Enterprise Server 8 (64-bit) United Linux 1.0
	<ul style="list-style-type: none"> <li>Oracle 10g/Recovery Manager<sup>8</sup>:</li> </ul>	HP-UX 11.0 (64-bit) <sup>9</sup> , 11.11 (64-bit) <sup>9</sup> HP-UX 11.23 (64-bit) (IA-64 & PA-RISC) <sup>9</sup> Solaris 7, 8 & 9 (64-bit) <sup>9</sup> Windows 2003 (64-bit) AIX 5.1, 5.2 & 5.3 <sup>12</sup> (64-bit) <sup>9</sup> Tru64 5.xx <sup>9</sup> RHEL Adv. Sever 2.1 (64-bit) <sup>1, 9</sup> RHEL Adv. Server 3.0 (64-bit) <sup>1, 9</sup> SuSE Linux Enterprise Server 8, 9 (64-bit)
	9	
Informix (32-bit)	<ul style="list-style-type: none"> <li>Informix 7.31:</li> </ul>	HP-UX 11.0, 11.11 (32 & 64-bit) Solaris 2.6 (32-bit), 7 & 8 (32 & 64-bit) Windows 2000
	<ul style="list-style-type: none"> <li>Informix IDS 9.3x:</li> </ul>	HP-UX 11.0, 11.11 (32 & 64-bit) Solaris 2.6 (32-bit), 7 & 8 (32 & 64-bit) Windows 2000
	<ul style="list-style-type: none"> <li>Informix IDS 9.40:</li> </ul>	HP-UX 11.0, 11.11 (32 & 64-bit) Solaris 7, 8 & 9 (32 & 64-bit) Windows 2000
Informix (64-bit)	<ul style="list-style-type: none"> <li>Informix 7.31:</li> </ul>	HP-UX 11.0 (64-bit), 11.11 (64-bit) Solaris 7 & 8 (64-bit)
	<ul style="list-style-type: none"> <li>Informix IDS 9.3x:</li> </ul>	HP-UX 11.0 (64-bit), 11.11 (64-bit) Solaris 7 & 8 (64-bit) Tru64 5.xx (64-bit)
	<ul style="list-style-type: none"> <li>Informix IDS 9.40:</li> </ul>	HP-UX 11.0 (64-bit), 11.11 (64-bit) HP-UX 11.23 (64-bit) (IA-64 & PA-RISC) Solaris 7, 8 & 9 (64-bit) Tru64 5.xx AIX 5.1, 5.2 & 5.3 <sup>12</sup> (64-bit) <sup>10</sup>
Sybase (32-bit)	<ul style="list-style-type: none"> <li>Sybase Adaptive Server Enterprise 12.0:</li> </ul>	HP-UX 11.0, 11.11 (32 & 64-bit) Solaris 7 & 8 (32 & 64-bit) Windows 2000
	<ul style="list-style-type: none"> <li>Sybase Adaptive Server 12.5:</li> </ul>	HP-UX 11.0, 11.11 (32 & 64-bit) Solaris 7 & 8 (32 & 64-bit) Windows 2000
Sybase (64-bit)	<ul style="list-style-type: none"> <li>Sybase Adaptive Server 11.9.3:</li> </ul>	HP-UX 11.0 (64-bit), 11.11 (64-bit)

	<ul style="list-style-type: none"> <li>• Sybase Adaptive Server Enterprise 12.0:</li> <li>• Sybase Adaptive Server 12.5:</li> </ul>	<p>Solaris 7, 8 (64-bit)            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)</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> </ul>	<p>Windows 2000            Windows 2000            Windows 2003 (32-bit)</p>
Microsoft SQL Server (64-bit)	<ul style="list-style-type: none"> <li>• Microsoft SQL Server 2000:</li> </ul>	<p>Windows 2003 (64-bit)</p>
Microsoft Exchange Server (including Single Mailbox and Single Folder Restore)	<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            Windows 2000            Windows 2000 SP3            Windows 2003 (32-bit)</p>
IBM DB2 (32-bit) <sup>5</sup>	<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>12</sup> (32 &amp; 64-bit)            RHEL Advanced Server 2.1<sup>1</sup> (32-bit)            RHEL Advanced Server 3.0<sup>1</sup> (32-bit)            RHEL Advanced Server 4.0<sup>1</sup> (32-bit)            SuSE Linux Enterprise Server 8, 9 (32-bit)            Windows 2000, 2003 (32-bit)            RHEL Advanced Server 2.1<sup>1</sup> (32-bit)            RHEL Advanced Server 3.0<sup>1</sup> (32-bit)            RHEL Advanced Server 4.0<sup>1</sup> (32-bit)            SuSE Linux Enterprise Server 9 (32-bit)            Windows 2000, 2003 (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 V8 Partitioned Database<sup>13</sup>:</li> </ul>	<p>HP-UX 11.0, 11.11 (64-bit)            AIX 5.1, 5.2 &amp; 5.3<sup>12</sup> (64-bit)            HP-UX 11.11 (64-bit)            AIX 5.1, 5.2 &amp; 5.3<sup>12</sup> (64-bit)            AIX 5.1, 5.2 &amp; 5.3<sup>12</sup> (64-bit)</p>
Lotus Notes, Lotus Domino (including Single Mailbox backup & Restore and Native Domino/Notes Cluster)	<ul style="list-style-type: none"> <li>• Lotus Domino/Notes R5:</li> <li>• Lotus Domino/Notes R6<sup>7</sup>:</li> <li>• Lotus Domino/Notes 6.5.x:</li> </ul>	<p>HP-UX 11.0, 11.11 (32 &amp; 64-bit)            Windows 2000            AIX 4.3.x            Windows 2000, Windows 2003 (32-bit)            Windows 2000, Windows 2003 (32-bit)</p>
SAPDB (Online integration based on 'Backint for SAPDB')	<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 (32-bit)            RHEL Advanced Server 2.1<sup>1</sup>(32-bit)            RHEL Advanced Server 3.0<sup>1</sup>(32-bit)            SuSE Linux Enterprise Server 8 (32-bit)</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> </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</p>

	<ul style="list-style-type: none"> <li>• SAP R/3 4.5, using backint mode: HP-UX 11.0 (32 &amp; 64-bit) Solaris 2.6 (32-bit), 7, 8 (32 &amp; 64-bit)</li> <li>• SAP R/3 4.6x, using RMAN mode: 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)</li> <li>• SAP R/3 4.6x, using backint mode: 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</li> <li>• SAP 4.7, using backint &amp; RMAN mode: Windows 2000, Windows 2003 (32-bit) SuSE Linux Enterprise server 8, 9 RHEL Advanced Server 2.1<sup>1</sup>, 3.0<sup>1</sup></li> <li>• SAP Brtools 6.10, using backint &amp; RMAN mode: Windows 2000, Windows 2003(32-bit) RHEL Advanced Server 2.1<sup>1</sup>, 3.0<sup>1</sup></li> <li>• SAP Brtools 6.20, using backint &amp; RMAN mode: Windows 2000, Windows 2003 (32-bit) SuSE Linux Enterprise server 8, 9 RHEL Advanced Server 2.1<sup>1</sup>, 3.0<sup>1</sup></li> <li>• SAP Brtools 6.40, using backint &amp; RMAN mode: Windows 2000, Windows 2003 (32-bit) SuSE Linux Enterprise server 8, 9 RHEL Advanced Server<sup>1</sup> 2.1, 3.0</li> </ul>
SAP <sup>2</sup> (64-bit)	<ul style="list-style-type: none"> <li>• SAP R/3 4.0: HP-UX 11.0 (64-bit)</li> <li>• SAP R/3 4.5, using backint &amp; RMAN mode: HP-UX 11.0 (64-bit)</li> <li>• SAP R/3 4.6x, using backint mode: HP-UX 11.0 (64-bit), 11.11(64-bit)</li> <li>• SAP R/3 4.6x, using RMAN mode: HP-UX 11.0 (64-bit), HP-UX 11.11(64-bit) Solaris 7 &amp; 8 (64-bit) Tru64 5.xx (64-bit)</li> <li>• SAP 4.7, using backint &amp; RMAN mode: HP-UX 11.0 (64-bit), 11.11(64-bit) HP-UX 11.23 (64-bit) (IA-64 &amp; PA-RISC) Windows 2003 (64-bit) Solaris 8 &amp; 9 (64-bit) Tru64 5.x AIX 5.1, 5.2 &amp; 5.3<sup>12</sup> (64-bit) RHEL Advanced Server 2.1<sup>1</sup>, 3.0<sup>1</sup> SuSE Linux Enterprise server 8</li> <li>• SAP Brtools 6.10, using backint &amp; RMAN mode: 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>12</sup> (64-bit)</li> <li>• SAP Brtools 6.20, using backint &amp; RMAN mode: HP-UX 11.0 (64-bit), 11.11(64-bit) HP-UX 11.23 (64-bit) (IA-64 &amp; PA-RISC) Windows 2003 (64-bit) Solaris 8 &amp; 9 (64-bit)</li> </ul>

		AIX 5.1, 5.2 & 5.3 <sup>12</sup> (64-bit) Tru64 5.xx (64-bit) RHEL Advanced Server 2.1 <sup>1</sup> , 3.0 <sup>1</sup> SuSE Linux Enterprise server 8 HP-UX 11.0 (64-bit), 11.11(64-bit) HP-UX 11.23 (64-bit) (IA-64 & PA-RISC) Windows 2003 (64-bit) Solaris 8 & 9 (64-bit) Tru64 5.x AIX 5.1, 5.2 & 5.3 <sup>12</sup> (64-bit) RHEL Advanced Server 2.1 <sup>1</sup> , 3.0 <sup>1</sup> SuSE Linux Enterprise server 8
	<ul style="list-style-type: none"> <li>SAP Brtools 6.40, using backint &amp; RMAN mode:</li> </ul>	
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>	
Novel GroupWise	<ul style="list-style-type: none"> <li>Novel GroupWise 6.x<sup>11</sup></li> </ul>	

- 1 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.
- 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 This is true for the platforms on which Data Protector has Cluster support. The whitepaper for procedure for Installing/Configuring Data protector in a Oracle 9i RAC on HP-UX is available at the following location:  
<http://www.openview.hp.com/sso/searchdocs?prod=DATAPRO&ct=TWP>
- 5 DB2 EEE (Partitioned databases) is not supported.
- 6 Oracle 9i covers all released versions of Oracle 9.x.x.x
- 7 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.
- 8 Oracle 10g covers all released versions of Oracle 10.x.x.x. Only the functionality supported in Oracle 9i and Flash Recovery Area are currently supported. New features released in Oracle 10g will be supported at a later date.
- 9 Restore from Data Protector GUI is not yet supported.
- 10 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
- 11 This is a whitepaper based solution The whitepaper is available at the following location:  
<http://www.openview.hp.com/sso/searchdocs?prod=DATAPRO&ct=TWP>

- 12 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
- 13 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.openview.hp.com/sso/searchdocs?prod=DATAPRO&ct=TWP>

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            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            OVO/Unix 8.10 including Service Navigator 8.x is supported on            HP-UX 11.0, HP-UX 11.11            Solaris 8, Solaris 9</li> <li>OVO/Unix Managed Node (= Data Protector Cell Server):            OVO/Unix Agent 6.xx : HP-UX 11.0, HP-UX 11.11            Solaris 8, Solaris 9            Windows 2000, Win XP PRO (32bit)            OVO/Unix Agent 7.10: HP-UX 11.0, HP-UX 11.11            Solaris 8, Solaris 9            Windows 2000, Win XP PRO (32bit)            OVO/Unix Agent 8.10:            HTTPS Agents HP-UX 11.0, HP-UX 11.11            Solaris 8, Solaris 9            Windows 2000, Win XP PRO (32bit)            Windows Server 2003            DCE Agents HP-UX 11.0, HP-UX 11.11            Solaris 8, Solaris 9            Windows 2000, Win XP PRO (32bit)            Windows Server 2003</li> <li>OVO/Windows Management Server English and Japanese:            OVO/Windows 7.1 is supported on Windows 2000</li> </ul>



		OVO/Windows 7.2x is supported on Windows 2000, Windows 2003
	•	OVO/Windows Managed Node (= Data Protector Cell Server):
		OVO/Windows 7.1 Agent: HP-UX 11.0, HP-UX 11.11, Solaris 8 Windows 2000, Win XP PRO (32bit) Windows 2003
		OVO/Windows 7.2x Agent: HP-UX 11.0, HP-UX 11.11, HP-UX 11.23 Solaris 8, Solaris 9 Windows 2000, Win XP PRO (32bit) Windows 2003
	•	OV Performance Agent on OVO/Unix or OVO/Windows Managed Node (= Data Protector Cell Server):
		OVO Performance Agent C.03.70: HP-UX 11.0, HP-UX 11.11
		OVO Performance Agent C.03.75: Solaris 8, Solaris 9
		OVO Performance Agent C.03.65: Windows 2000, Win XP PRO (32bit) Windows 2003
HP OpenView Network Node Manager <sup>1</sup>	•	HP OpenView Network Node Manager 6.2: HP-UX 11.0 Windows 2000
	•	HP OpenView Network Node Manager 7.01: HP-UX 11.0, HP-UX 11.11 Solaris 7, 8 and 9
HP OpenView Service Desk	•	HP OpenView Service Desk 4.5: Windows 2000
HP OpenView Reporter <sup>2</sup>	•	HP OpenView Reporter 3.0 / 3.5: Windows 2000
SIP <sup>3</sup>	•	HP OpenView SIP 3.0: HP-UX 11.0, 11.11

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

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

- 1 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.
- 2 Please refer to the "hp OpenView Storage Data Protector 5.5 EMC split-mirror backup integration support matrix" for further details on the integration.
- 3 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.
- 4 Please refer to the "hp OpenView Storage Data Protector 5.5 Zero Downtime Backup support

matrix for HP StorageWorks Enterprise Virtual Array” for further details on the integration.

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

other supported applications		
application agents	supported databases / integrations	
HP OpenView Storage Data Protector Open File Manager	• HP OpenView Storage Data Protector Open File Manager 8.x:	Windows 2000 NetWare 5.1, 6.0
	• HP OpenView Storage Data Protector Open File Manager 9.x:	Windows 2000 Windows 2003 Windows XP NetWare 5.1, 6.0, 6.5
Citrix Metaframe <sup>1</sup>	• Citrix Meta Frame version 1.00 Service Pack 3:	Windows 2003

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

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

supported clusters		
cluster software	supported cluster software version	
HP MC/ServiceGuard	HP MC/ServiceGuard 11.xx:	HP-UX 11.0
	HP MC/ServiceGuard 11.xx:	HP-UX 11.11
	HP MC/ServiceGuard 11.xx:	HP-UX 11.23
	HP MC/ServiceGuard for Linux: <sup>3</sup>	Red Hat Enterprise Linux 2.1, 3.0
	HP MC/ServiceGuard for Linux: <sup>3</sup>	SuSE Linux Enterprise Server 8, 9
Microsoft Cluster Server	Microsoft Cluster Server:	Windows 2000
		Windows 2003 (32-bit)
		Windows 2003 (64-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):	Solaris 7 & 8
	Veritas Cluster Server 2.0 (Disk Agent Support only):	Solaris 7 & 8
	Veritas Cluster Server 3.5 (Disk Agent Support only):	Solaris 7 & 8
Netware Cluster	Netware Cluster Services 1.6:	Netware 6.0
	Netware Cluster Services 1.7:	Netware 6.5
OpenVMS Cluster <sup>2</sup>	OpenVMS Cluster (Disk Agent & Media Agent support)	

- 1 The document describing the procedure of installing and configuring Data Protector in a Tru64 Cluster is available at the following URL:  
<http://www.openview.hp.com/sso/searchdocs?prod=DATAPRO&ct=TWP>
- 2 Installation & Configuration information (in DP environment) available in *HP OpenView Storage Data Protector Installation and Licensing guide*.
- 3 The document describing the procedure of installing and configuring Data Protector in a MCSG Cluster with Linux is available at the following URL:  
<http://www.openview.hp.com/sso/searchdocs?prod=DATAPRO&ct=TWP>

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

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.