HP Data Protector A.06.1x
Zero downtime (split-mirror) backup and instant recovery support matrix for HP StorageWorks P9000 XP Disk Arrays

Version: 4.0 Date: March 2012

The details of the supported operating systems are specified in the individual tables below. The operating system, its version and the hardware architecture should be same on both application and backup hosts. For cluster support related information, please refer to HP Data Protector 6.1x Zero Downtime Backup Administrator's Guide.

Supported microcode and RAID Manager HORCM versions

Array model	Minimum microcode version required	Minimum RAID Manager library version required		
		HP-UX	Solaris	Windows
XP48	01.13.37	01.06.03	01.06.03	01.06.03
XP128	21.01.24-00/00	01.06.03	01.06.03	01.06.03
XP256	52.48.60	01.06.03	01.06.03	01.06.03
XP512	01.13.37	01.06.03	01.06.03	01.06.03
XP1024	21.01.24-00/00	01.06.03	01.06.03	01.06.03
XP10000	50-05-06-00/00	01.11.03	01.11.03	01.11.03
XP12000	50-01-40-00/00	1.09.04	1.09.04	1.09.04
XP 20000	60-01-31-00/00	01.12.04	01.12.04	01.12.04
XP 24000	60-01-31-00/00	01.12.04	01.12.04	01.12.04
P9000 Family[1]	70-01-01-00/00	01.15.03	01.15.03	01.15.03

[1] Supported with Data Protector 6.11 only. Authentication for Command Device is not support.

All versions of Business Copy and/or Continuous Access that are supported by RAID Manager Library are supported. New versions of the microcode or the RAID Manager Library will be tested and certified if needed.

Abbreviations used in the Matrix:

1. ZDB : zero downtime backup
2. IR : instant recovery
3. BC : Business Copy
4. CA : Continuous Access

Supported configurations – HP-UX on PA-RISC

Integration on HP-UX 11.11, 11.23, 11.31[5]	Single-host BC	Dual-host BC	CA	CA and BC (combined)
Raw disk	ZDB with IR	ZDB with IR	ZDB	ZDB
Raw logical volume	ZDB with IR	ZDB with IR	ZDB	ZDB
File system	ZDB with IR	ZDB with IR	ZDB	ZDB
Oracle 9i RMAN offline or online[3]	ZDB with IR	ZDB with IR	ZDB	ZDB
Oracle 10g RMAN offline or online[3]	ZDB with IR	ZDB with IR	ZDB	ZDB
Oracle 11g RMAN offline or online[3]	ZDB with IR	ZDB with IR	ZDB	ZDB
Oracle 11g R2 RMAN offline or online[3, 4, 6, 7]	ZDB with IR	ZDB with IR	ZDB	ZDB
SAP R/3 3.1G[1, 4] + brbackup 4.0x	not supported	ZDB with IR	ZDB	ZDB
SAP R/3 4.0x[2, 4] + brbackup 4.0x	not supported	ZDB with IR	ZDB	ZDB
SAP R/3 4.5x[2, 4] + brbackup 4.5x	not supported	ZDB with IR	ZDB	ZDB
SAP R/3 4.6x[2, 4] + brbackup 4.6x offline or online	not supported	ZDB with IR	ZDB	ZDB
SAP R/3 4.7 [4] + BR*Tools 6.40 offline or online	not supported	ZDB with IR	ZDB	ZDB
SAP BR*Tools 6.10 & 6.20 offline or online[4]	not supported	ZDB with IR	ZDB	ZDB

SAP BR*Tools 6.40 offline or online[4]	not supported	ZDB with IR	ZDB	ZDB
SAP BR*Tools 7.0 offline or online[4]	not supported	ZDB with IR	ZDB	ZDB
SAP BR*Tools 7.1 offline or online[4, 6]	not supported	ZDB with IR	ZDB	ZDB

1 This includes all newer revisions. For example, 3.1G includes 3.1I.

2 This includes all revisions. For example, 4.6x includes 4.6B, 4.6C, 4.6D, and so on.

3 Oracle 9i/10g/11g/11g R2 includes all released versions of 9i,10gand 11g: 9.x.x, 10.x.x; 11.x.x.

4 The integration is implemented using the 'backint' functionality.

5 With HP-UX 11.31, new device special files (DSF) are also supported

6 Supported with Data Protector 6.11 only

7 Supported with the following patches: PHSS_41667/PHSS_41668/DPSOL_00433/DPLNX_00139.

Supported configurations – HP-UX on Itanium

Integrations on HP-UX 11.23, 11.31[3] (Itanium)	Single-host BC	Dual-host BC	CA	CA and BC (combined)
Raw disk	ZDB with IR	ZDB with IR	ZDB	ZDB
Raw logical volume	ZDB with IR	ZDB with IR	ZDB	ZDB
File system	ZDB with IR	ZDB with IR	ZDB	ZDB
Oracle 9i RMAN offline or online[1]	ZDB with IR	ZDB with IR	ZDB	ZDB
Oracle 10g RMAN offline or online[1]	ZDB with IR	ZDB with IR	ZDB	ZDB
Oracle 11g RMAN offline or online[1]	ZDB with IR	ZDB with IR	ZDB	ZDB
Oracle 11g R2 RMAN offline or online[1, 4, 5]	ZDB with IR	ZDB with IR	ZDB	ZDB
SAP R/3 4.7 [2] + BR*Tools 6.40 offline or online	not supported	ZDB with IR	ZDB	ZDB
SAP BR*Tools 6.20 offline or online[2]	not supported	ZDB with IR	ZDB	ZDB
SAP BR*Tools 6.40 offline or online[2]	not supported	ZDB with IR	ZDB	ZDB
SAP BR*Tools 7.0 offline or online[2]	not supported	ZDB with IR	ZDB	ZDB
SAP BR*Tools 7.1 offline or online[2, 4]	not supported	ZDB with IR	ZDB	ZDB

1 Oracle 9i/10g/11g/11g R2 includes all released versions of 9i,10g and 11g: 9.x.x, 10.x.x; 11.x.x.

2 The integration is implemented using the 'backint' functionality.

3 With HP-UX 11.31, new device special files (DSF) are also supported

4 Supported with Data Protector 6.11 only

5 Supported with the following patches: PHSS_41667/PHSS_41668/DPSOL_00433/DPLNX_00139.

Supported configurations – Windows 32-bit[9]

Integrations on Windows 2000, Windows Server 2003	Single-host BC	Dual-host BC	CA	CA and BC (combined)
Raw disk	ZDB with IR	ZDB with IR	ZDB	ZDB
NTFS file system	ZDB with IR	ZDB with IR	ZDB	ZDB[1]
Microsoft Exchange 2000 Server[5]	not supported	ZDB with IR	ZDB	ZDB[1]
Microsoft Exchange Server 2003[6]	not supported	ZDB with IR	ZDB	ZDB[1]
Microsoft SQL Server 2000	not supported	ZDB with IR	ZDB	ZDB[1]
Microsoft SQL Server 2005	not supported	ZDB with IR	ZDB	ZDB[1]
Microsoft SQL Server 2008[7]	not supported	ZDB with IR	ZDB	ZDB[1]
Microsoft Office SharePoint Server 2007[8]	-	-	-	-
Oracle 9i RMAN offline or online[4]	ZDB with IR	ZDB with IR	ZDB	ZDB[1]
Oracle 10g RMAN offline or online[4]	ZDB with IR	ZDB with IR	ZDB	ZDB[1]
Oracle 11g RMAN offline or online[4]	ZDB with IR	ZDB with IR	ZDB	ZDB[1]
SAP R/3 4.0x[2, 3] + brbackup 4.0x	not supported	ZDB with IR	ZDB	ZDB[1]

SAP R/3 4.5x[2, 3] + brbackup 4.5x	not supported	ZDB with IR	ZDB	ZDB[1]
SAP R/3 4.6x[2, 3] + brbackup 4.6x offline or online	not supported	ZDB with IR	ZDB	ZDB[1]
SAP R/3 4.7 [3] + BR*Tools 6.40 offline or online	not supported	ZDB with IR	ZDB	ZDB[1]
SAP BR*Tools 6.10, 6.20 offline or online[3]	not supported	ZDB with IR	ZDB	ZDB[1]
SAP BR*Tools 6.40 offline or online[3]	not supported	ZDB with IR	ZDB	ZDB[1]
SAP BR*Tools 7.0 offline or online[3]	not supported	ZDB with IR	ZDB	ZDB[1]
SAP BR*Tools 7.1 offline or online[3, 7]	not supported	ZDB with IR	ZDB	ZDB[1]

1 If secondary volume for CA or primary volume for BC is not connected to the backup server

2 This includes all revisions. For example, 4.6x includes 4.6B, 4.6C, 4.6D etc.

3 The integration is implemented using the 'backint' functionality.

4 Oracle 9i/10g/11g includes all released versions of 9i, 10g and 11g: 9.x.x, 10.x.x; 11.x.x.

5 Supported only for Windows 2000

6 Supported only for Windows Server 2003 (32-bit)

7 Supported with Data Protector 6.11 only

8 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.

9 GPT partitions are not supported.

Supported configurations – Windows 32-bit[6]

Integrations on Windows Server 2008 [1]	Single-host BC	Dual-host BC	CA	CA and BC (combined)
Raw disk	ZDB with IR	ZDB with IR	ZDB	ZDB
NTFS file system	ZDB with IR	ZDB with IR	ZDB	ZDB[2]
Oracle 9i RMAN offline or online[3]	ZDB with IR	ZDB with IR	ZDB	ZDB[2]
Oracle 10g RMAN offline or online[3]	ZDB with IR	ZDB with IR	ZDB	ZDB[2]
Oracle 11g R2 RMAN offline or online[3, 5]	ZDB with IR	ZDB with IR	ZDB	ZDB[2]
Microsoft SQL Server 2005	not supported	ZDB with IR	ZDB	ZDB[2]
Microsoft SQL Server 2008	not supported	ZDB with IR	ZDB	ZDB[2]
Microsoft Office SharePoint Server 2007[4]	-	-	-	-

1 Supported with Data Protector 6.11 only

2 If secondary volume for CA or primary volume for BC is not connected to the backup server

3 Oracle 10g/11g/11g R2 includes all released versions of10g and 11g:10.x.x; 11.x.x.

4 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.

5 Supported with Data Protector 6.11 with the following patch: DPWIN_00486.

6 GPT partitions are not supported.

Supported configurations – Windows 64-bit (Itanium) [6]				
Integrations on Windows Server 2003	**Single-host BC**	**Dual-host BC**	**CA**	**CA and BC (combined)**
Raw disk	ZDB with IR	ZDB with IR	ZDB	ZDB
NTFS file system	ZDB with IR	ZDB with IR	ZDB	ZDB[1]
MS SQL2000 [5]	not supported	ZDB with IR	ZDB	ZDB[1]
Microsoft SQL Server 2005	not supported	ZDB with IR	ZDB	ZDB[1]
Microsoft SQL Server 2008[4]	not supported	ZDB with IR	ZDB	ZDB[1]
Oracle 9i RMAN offline or online[3]	ZDB with IR	ZDB with IR	ZDB	ZDB[1]
Oracle 10g RMAN offline or online[3]	ZDB with IR	ZDB with IR	ZDB	ZDB[1]
Oracle 11g RMAN offline or online[3]	ZDB with IR	ZDB with IR	ZDB	ZDB[1]
SAP R/3 4.7 [2] + BR*Tools 6.40 offline or online	not supported	ZDB with IR	ZDB	ZDB[1]
SAP BR*Tools 6.10, 6.20 offline or online[2]	not supported	ZDB with IR	ZDB	ZDB[1]
SAP BR*Tools 6.40 offline or online[2]	not supported	ZDB with IR	ZDB	ZDB[1]
SAP BR*Tools 7.0 offline or online[2]	not supported	ZDB with IR	ZDB	ZDB[1]
SAP BR*Tools 7.1 offline or online[2, 4]	not supported	ZDB with IR	ZDB	ZDB[1]

1 If secondary volume for CA or primary volume for BC is not connected to the backup server
2 The integration is implemented using the 'backint' functionality.
3 Oracle 9i/10g/11g includes all released versions of 9i,10g and 11g: 9.x.x, 10.x.x; 11.x.x.
4 Supported with Data Protector 6.11 only
5 Supported with Data Protector 6.10 only
6 GPT partitions are not supported.

Supported configurations – Windows 64-bit (Itanium)[3]				
Integrations on Windows Server 2008 [1] and Windows Server 2008 R2 [1]	**Single-host BC**	**Dual-host BC**	**CA**	**CA and BC (combined)**
Raw disk	ZDB with IR	ZDB with IR	ZDB	ZDB
NTFS file system	ZDB with IR	ZDB with IR	ZDB	ZDB[2]
Microsoft SQL Server 2005	not supported	ZDB with IR	ZDB	ZDB[2]
Microsoft SQL Server 2008	not supported	ZDB with IR	ZDB	ZDB[2]
Microsoft SQL Server 2008 R2	not supported	ZDB with IR	ZDB	ZDB[2]

1 Supported with Data Protector 6.11 only
2 If secondary volume for CA or primary volume for BC is not connected to the backup server
3 GPT partitions are not supported.

Supported configurations – Windows 64-bit (x64) [7]				
Integrations on Windows Server 2003	**Single-host BC**	**Dual-host BC**	**CA**	**CA and BC (combined)**
Raw disk	ZDB with IR	ZDB with IR	ZDB	ZDB
NTFS file system	ZDB with IR	ZDB with IR	ZDB	ZDB[1]
Microsoft SQL Server2000 [6]	not supported	ZDB with IR	ZDB	ZDB[1]
Microsoft SQL Server 2005	not supported	ZDB with IR	ZDB	ZDB[1]
Microsoft SQL Server 2008 [5]	not supported	ZDB with IR	ZDB	ZDB[1]
Microsoft Exchange Server 2007/2010 [4]	-	-	-	-

Oracle 9i RMAN offline or online[3]	ZDB with IR	ZDB with IR	ZDB	ZDB[1]
Oracle 10g RMAN offline or online[3]	ZDB with IR	ZDB with IR	ZDB	ZDB[1]
Oracle 11g RMAN offline or online[3]	ZDB with IR	ZDB with IR	ZDB	ZDB[1]
SAP R/3 4.7 [2] + BR*Tools 6.40 offline or online	not supported	ZDB with IR	ZDB	ZDB[1]
SAP BR*Tools 6.10,6.20 offline or online[2]	not supported	ZDB with IR	ZDB	ZDB[1]
SAP BR*Tools 6.40 offline or online[2]	not supported	ZDB with IR	ZDB	ZDB[1]
SAP BR*Tools 7.0 offline or online[2]	not supported	ZDB with IR	ZDB	ZDB[1]
SAP BR*Tools 7.1 offline or online[2, 5]	not supported	ZDB with IR	ZDB	ZDB[1]
SAP BR*Tools 7.2 offline or online[2, 8]	not supported	ZDB with IR	ZDB	ZDB[1]

1 If secondary volume for CA or primary volume for BC is not connected to the backup host

2 The integration is done using the 'backint' functionality.

3 Oracle 9i/10g/11g includes all released versions of 9i,10g and 11g: 9.x.x, 10.x.x; 11.x.x.

4 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. Supported with Data Protector 6.11 with VSS agent. For supported VSS writers please refer to the Data Protector 6.1x VSS support matrix.

5 Supported with Data Protector 6.11 only

6 Supported with Data Protector 6.10 only

7 GPT partitions are not supported.

8 Supported with the following patch: DPWIN_00525.

Supported configurations – Windows 64-bit (x64) [9]

Integrations on Windows Server 2008 [1]	Single-host BC	Dual-host BC	CA	CA and BC (combined)
Raw disk	ZDB with IR	ZDB with IR	ZDB	ZDB
NTFS file system	ZDB with IR	ZDB with IR	ZDB	ZDB[2]
Microsoft SQL Server2005	not supported	ZDB with IR	ZDB	ZDB[2]
Microsoft SQL Server2008[10]	not supported	ZDB with IR	ZDB	ZDB[2]
Microsoft SQL Server 2008 R2	not supported	ZDB with IR	ZDB	ZDB[2]
Microsoft Office SharePoint Server 2007[5]	-	-	-	-
Microsoft SharePoint Server 2010[5]	-	-	-	-
Microsoft Exchange Server 2007/2010 [3]	-	-	-	-
Oracle 10g RMAN offline or online[4]	ZDB with IR	ZDB with IR	ZDB	ZDB[2]
Oracle 11g RMAN offline or online[4]	ZDB with IR	ZDB with IR	ZDB	ZDB[2]
Oracle 11g R2 RMAN offline or online[4, 6]	ZDB with IR	ZDB with IR	ZDB	ZDB[2]
SAP BR*Tools 7.1 offline or online[7,8]	not supported	ZDB with IR	ZDB	ZDB[2]

1 Supported with Data Protector 6.11 only

2 If secondary volume for CA or primary volume for BC is not connected to the backup host

3 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. Supported with Data Protector 6.11 with VSS agent. For supported VSS writers please refer to the Data Protector 6.1x VSS support matrix.

4 Oracle 10g/11g includes all released versions of 10g and 11g: 10.x.x; 11.x.x.

5 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.

6 Supported with Data Protector 6.11 with the following patch: DPWIN_00486.

7 The integration is done using the 'backint' functionality.

8 Supported with Data Protector 6.11 with the following SSP: SSPNT611_028.

9 GPT partitions are not supported.

10 ZDB/IR on Dynamic Disk using VSS transportable backup is supported with the Site Specific Patch: SSPNT611_037.

Supported configurations – Windows 64-bit (x64) [9]

Integrations on Windows Server 2008 R2 [1]	Single-host BC	Dual-host BC	CA	CA and BC (combined)
Raw disk	ZDB with IR	ZDB with IR	ZDB	ZDB
NTFS file system	ZDB with IR	ZDB with IR	ZDB	ZDB[2]
Microsoft SQL Server2005	not supported	ZDB with IR	ZDB	ZDB[2]
Microsoft SQL Server2008	not supported	ZDB with IR	ZDB	ZDB[2]
Microsoft SQL Server2008 R2	not supported	ZDB with IR	ZDB	ZDB[2]
Microsoft Office SharePoint Server 2007[3]	-	-	-	-
Microsoft SharePoint Server 2010[3]	-	-	-	-
Microsoft Exchange Server 2007 SP3[6]	-	-	-	-
Oracle 11g R2 RMAN offline or online[4, 5]	ZDB with IR	ZDB with IR	ZDB	ZDB[2]
SAP BR*Tools 7.1 offline or online[7,8]	not supported	ZDB with IR	ZDB	ZDB[2]

1 Supported with Data Protector 6.11 only

2 If secondary volume for CA or primary volume for BC is not connected to the backup host

3 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.

4 Oracle 10g/11g/11g R2 includes all released versions of 10g and 11g: 10.x.x; 11.x.x.

5 Supported with Data Protector 6.11 with the following patch: DPWIN_00486.

6 Microsoft Exchange Server ZDB and IR backups are supported using VSS. For details please see HP Data Protector A.06.1x VSS Support Matrix.

7 The integration is done using the 'backint' functionality.

8 Supported with Data Protector 6.11 with the following SSP: SSPNT611_028.

9 GPT partitions are not supported.

Supported configurations – Solaris (SPARC)

Integration on Sun Solaris 8, 9,10	Single-host BC	Dual-host BC	CA	CA and BC (combined)
Raw Disk	ZDB with IR	ZDB with IR	ZDB	ZDB
Raw logical volume	ZDB with IR	ZDB with IR	ZDB	ZDB
File system	ZDB with IR	ZDB with IR	ZDB	ZDB
Oracle 9i RMAN offline or online [3]	ZDB with IR	ZDB with IR	ZDB	ZDB
Oracle 10g RMAN offline or online [3]	ZDB with IR	ZDB with IR	ZDB	ZDB
Oracle 11g RMAN offline or online [3]	ZDB with IR	ZDB with IR	ZDB	ZDB
SAP R/3 4.6x[1, 2] + brbackup 4.6x offline or online	not supported	ZDB with IR	ZDB	ZDB
SAP R/3 4.7 [2] + BR*Tools 6.40 offline or online	not supported	ZDB with IR	ZDB	ZDB
SAP BR*Tools 6.10 & 6.20 offline or online [2]	not supported	ZDB with IR	ZDB	ZDB
SAP BR*Tools 6.40 offline or online[2]	not supported	ZDB with IR	ZDB	ZDB

SAP BR*Tools 7.0 offline or online[2]	not supported	ZDB with IR	ZDB	ZDB
SAP BR*Tools 7.1 offline or online[2, 4]	not supported	ZDB with IR	ZDB	ZDB

1 This includes all revisions. For example, 4.6x includes 4.6B, 4.6C, 4.6D and so on.
2 The integration is done using the 'backint' functionality.
3 Oracle 9i/10g/11g includes all released versions of 9i,10g and 11g: 9.x.x, 10.x.x; 11.x.x.
4 Supported with Data Protector 6.11 only

Supported configurations – Linux[1,2]

	RHEL/SLES versions	Single-host BC	Dual-host BC	CA	CA and BC (combined)
Raw Disk	RHEL 5.x, SLES 9.x, 10.x and 11.x	not supported	ZDB with IR	not supported	not supported
Raw logical volume	RHEL 5.x, SLES 9.x, 10.x and 11.x	not supported	ZDB with IR	not supported	not supported
File system	RHEL 5.x, SLES 9.x, 10.x and 11.x	not supported	ZDB with IR	not supported	not supported
Oracle 11g[7] RMAN offline or online [3,4]	RHEL 5.x (x64)	not supported	ZDB with IR	not supported	not supported
SAP BR*Tools 7.2 offline or online [5,6]	SLES 10(x64)	not supported	ZDB with IR	not supported	not supported

1 Only ext2 and ext3 file systems are supported.
2 Supported with the patches PHSS_42293/PHSS_42294/DPLNX_00166/DPSOL_00460
3 Oracle 11g includes all released versions of 11g: 11.x.x.
4 Support is available with the Site Specific Patch: SSPUX611_033/SSPLNX611_028/SSPSOL611_015.
5 The integration is done using the 'backint' functionality.
6 Support is available with the Site Specific Patch: SSPLNX611_033.
7 Support for RAC based on Oracle ASM is available.

Supported volume managers

volume manager	Operating System			
	HP-UX	Windows	Solaris	Linux
Logical Volume Manager (LVM)	supported[3]	n/a	n/a	supported[4]
Veritas Volume Manager (VxVM)	supported	not supported	Supported	n/a
Disk Manager	n/a	supported[1]	n/a	n/a
Solaris Volume Manager [2]	n/a	n/a	Supported	n/a

1 Dynamic disks are not supported.
2 Supported with Data Protector 6.11 only
3 The LVM 1.0, LVM 2.0 and LVM 2.1 are supported.
4 The LVM 2.0 and LVM 2.1 are supported.

The Following is a list of alternate path and multipathing solutions that are supported:

Supported alternate path solutions

Alternate path solutions	Operating System			
	HP-UX	Windows	Solaris	Linux
HP StorageWorks AutoPath	supported	supported	not supported	n/a
Sun Alternate Pathing driver	n/a	n/a	supported	n/a
VxVM Dynamic Multipathing	supported	n/a	supported	n/a
HP-UX LVM Alternate Links	supported	n/a	n/a	n/a
Linux native multipathing	n/a	n/a	n/a	supported