HP Data Protector A.06.1x
Zero downtime backup and instant recovery support matrix
for HP StorageWorks Enterprise Virtual Array using SMI-S Agent

Version: 4.5   Date: September 2012

Main feature of HP StorageWorks Enterprise Virtual Array (EVA) is the ability to create snapshots of data stored on the disk arrays. These snapshots can be used to back up the data using a different server (backup system), and thus reduce the backup load from the production server (application system), allowing the production applications to run uninterrupted. The most important benefit of the snapshot integration is in backup window reduction, lowering the load on the production server.

The details of the supported operating systems are specified in the individual tables below. The operating system, its version and the hardware architecture must be same on both application and backup hosts.

Data Protector A.06.1x supports vsnap, snapclone, and standard snapshots available on EVA. Supported EVA models are listed in the table below.

Supported agent functionalities		
Agent functionality	Zero downtime backup	Instant recovery
Snapshot, vsnap	supported	not supported
Snapclone	supported	supported

HP StorageWorks Enterprise Virtual Array runs Command View (CV) and Virtual Control Software (VCS or XCS) to control the array. The XCS version support is driven by supported EVA model and CV version. Data Protector supports all XCS versions for the EVAs which are supported by certified CV versions. Following CV versions are tested and certified by Data Protector:

Command View (CV)[1]   6.0.2, 7.0.x, 8.0.2, 9.0.x[2], 9.1[3], 9.2.1, 9.3, 9.4,10.0

[1]   For Linux support, minimum version of Command View required is CV 9.2.1.

[2]   Fully allocated snapshots are supported only if snapshot rotation is set to 1.

[3]   For installation of the patches DPWIN_00462/PHSS_40825/PHSS_40826/DPLNX_00121/DPSOL_00415 using CV 9.1 is not supported.

Supported SMIS provider versions					
SMIS provider version	EVA 3000/ 5000	EVA 4000/ 6000 / 8000	EVA Type EVA 4100/ 6100 / 8100	EVA 4400/ 6400 / 8400	P6300/ P6500
6.0.2.x	supported	supported	supported	-	-
7.0.x	supported	supported	supported	-	-
8.0.2	supported	supported	supported	supported	-
9.0.x / 9.1	supported	supported	supported	supported	-
9.2.1	supported	supported	supported	supported	-
9.3	supported	supported	supported	supported	not supported
9.4	not supported	supported	supported	supported	supported
10.0	not supported	supported	supported	supported	supported

For details on supported CV ports and their updating, please see *"Setting the login information for SMI-S EVA Provider"* section in *HP Data Protector zero downtime backup administrator's guide.*

The following is a list of application integrations supported on various supported platforms:

Supported configurations – HP-UX on PA-RISC

Integration on HP-UX 11.11, 11.23, 11.31[1]	Single-host BC	Dual-host BC	CA	CA and BC[2] (combined)
Raw disk	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Raw logical volume	ZDB with IR	ZDB with IR	n/a	ZDB with IR
File system	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 9i RMAN offline or online [3]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 10g RMAN offline or online [3, 7]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 11g RMAN offline or online [3, 7]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 11g R2 RMAN offline or online [3, 6, 7, 8]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
SAP R/3 4.6x + brbackup 4.6x offline or online [4, 5]	not supported	ZDB with IR	n/a	ZDB with IR
SAP R/3 4.7x + Brtools 6.40 offline or online [5]	not supported	ZDB with IR	n/a	ZDB with IR
SAP Br*Tools 6.10 & 6.20 offline or online [5]	not supported	ZDB with IR	n/a	ZDB with IR
SAP Br*Tools 6.40 offline or online [5]	not supported	ZDB with IR	n/a	ZDB with IR
SAP Br*Tools 7.0 offline or online [5]	not supported	ZDB with IR	n/a	ZDB with IR
SAP Br*Tools 7.1 offline or online [5,6]	not supported	ZDB with IR	n/a	ZDB with IR

[1]   For HP-UX 11.31, new device special files (DSF) are supported for LVM only.

[2]   When performing Data Replication enabled backups, ensure that only one SMIS provider manages the arrays involved.

[3]   Oracle 9i/10g/11g/11g R2 includes all released versions of 9i,10g, and11g: 9.x.x, 10.x.x; 11.x.x

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

[5]   The integration is implemented using the "backint" functionality.

[6]   Supported with Data Protector 6.11 only.

[7]   Oracle 10g RAC/11g/11g R2 RAC based on Oracle ASM is not currently supported in combination with ZDB/IR

[8]   Supported with the following patches: PHSS_41667/PHSS_41668/DPSOL_00433/DPLNX_00139.

Supported configurations – HP-UX on Itanium

Integration on HP-UX 11.23 and 11.31[1]	Single-host BC	Dual-host BC	CA	CA and BC[2] (combined)
Raw disk	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Raw logical volume	ZDB with IR	ZDB with IR	n/a	ZDB with IR
File system	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 9i RMAN offline or online [3]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 10g RMAN offline or online [3, 6]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 11g RMAN offline or online [3, 6]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 11g R2 RMAN offline or online [3, 5, 6, 7]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
SAP R/3 4.7x + Brtools 6.40 offline or online [4]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 6.40 offline or online [4]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 7.0 offline or online [4]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 7.1 offline or online [4, 5]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 7.2 offline or online [4, 5]	not supported	ZDB with IR	n/a	ZDB with IR

[1]   For HP-UX 11.31, new device special files (DSF) are supported for LVM only.

[2]   When performing Data Replication enabled backups, ensure that only one SMIS provider manages the arrays involved.

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

[4]   The integration is implemented using the "backint" functionality.

[5]   Supported with Data Protector 6.11 only.

[6]   Oracle 10g RAC/11g/11g R2 RAC based on Oracle ASM is not currently supported in combination with ZDB/IR

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

Supported configurations –Windows 32-bit[7]

Integration on Windows 2000 and Windows Server 2003	Single-host BC	Dual-host BC	CA	CA and BC[1] (combined)
Raw disk	ZDB with IR	ZDB with IR	n/a	ZDB with IR
NTFS file system	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Microsoft Exchange 2000 Server	not supported	ZDB with IR	n/a	ZDB with IR
Microsoft Exchange Server 2003	not supported	ZDB with IR	n/a	ZDB with IR
Microsoft SQL Server 2000	not supported	ZDB with IR	n/a	ZDB with IR
Microsoft SQL Server 2005	not supported	ZDB with IR	n/a	ZDB with IR
Microsoft SQL Server 2008 [4]	not supported	ZDB with IR	n/a	ZDB with IR
Oracle 9i RMAN offline or online [2]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 10g RMAN offline or online [2, 6]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 11g RMAN offline or online [2, 6]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
SAP R/3 4.7x + Brtools 6.40 offline or online [3]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 6.20 offline or online [3]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 6.40 offline or online [3]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 7.0 offline or online [3]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 7.1 offline or online [3, 4]	not supported	ZDB with IR	n/a	ZDB with IR
MaxDB 7.6 [5]	not supported	ZDB only	n/a	n/a

[1]   When performing Data Replication enabled backups, ensure that only one SMIS provider manages the arrays involved.

[2]   Oracle 9i/10g/11g includes all released versions of 9i,10g,11g: 9.x.x, 10.x.x; 11.x.x.

[3]   The integration is implemented using the "backint" functionality.

[4]   Supported with Data Protector 6.11 only.

[5]   Supported with Data Protector 6.10 only. 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 6.1 thereafter

[6]   Oracle 10g RAC/11g RAC based on Oracle ASM is not currently supported in combination with ZDB/IR

[7]   GPT partitions are not supported.

Supported configurations –Windows 32-bit[6]				
Windows Server 2008 [1]	Single-host BC	Dual-host BC	CA	CA and BC[2] (combined)
Raw disk	ZDB with IR	ZDB with IR	n/a	ZDB with IR
NTFS file system	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Microsoft Exchange Server 2003	not supported	ZDB with IR	n/a	ZDB with IR
Microsoft SQL Server 2005	not supported	ZDB with IR	n/a	ZDB with IR
Microsoft SQL Server 2008	not supported	ZDB with IR	n/a	ZDB with IR
Microsoft Office SharePoint Server 2007 [4]	-	-	-	-
Oracle 10g RMAN offline or online [3]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 11g RMAN offline or online [3]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 11g R2 RMAN offline or online [3, 5]	ZDB with IR	ZDB with IR	n/a	ZDB with IR

[1]   Supported with Data Protector 6.11 only. Following Windows hotfixes are required for Windows Server 2008 support: KB952790, KB971254

[2]   When performing Data Replication enabled backups, ensure that only one SMIS provider manages the arrays involved.

[3]   Oracle 10g/11g/11g R2 includes all released versions of 10g, 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.

Supported configurations – Windows 64-bit (Itanium) [7]				
Integration on Windows Server 2003	**Single-host BC**	**Dual-host BC**	**CA**	**CA and BC[1] (combined)**
Raw disk	ZDB with IR	ZDB with IR	n/a	ZDB with IR
NTFS file system	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Microsoft SQL Server 2000 [5]	not supported	ZDB with IR	n/a	ZDB with IR
Microsoft SQL Server 2005	not supported	ZDB with IR	n/a	ZDB with IR
Microsoft SQL Server 2008 [4]	not supported	ZDB with IR	n/a	ZDB with IR
Oracle 9i RMAN offline or online [2]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 10g RMAN offline or online [2,6]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 11g RMAN offline or online [2,6]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
SAP R/3 4.7 with Brtools 6.40 offline or online [3]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 6.20 offline or online [3]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 6.40 offline or online [3]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 7.2 offline or online [3]	not supported	ZDB with IR	n/a	ZDB with IR

1   When performing Data Replication enabled backups, ensure that only one SMIS provider manages the arrays involved.
2   Oracle 9i/10g/11g includes all released versions of 9i,10g,11g: 9.x.x, 10.x.x; 11.x.x.
3   The integration is implemented using the "backint" functionality.
4   Supported with Data Protector 6.11 only.
5   Supported with Data Protector 6.10 only.
6   Oracle 10g RAC/11g RAC based on Oracle ASM is not currently supported in combination with ZDB/IR
7   GPT partitions are not supported.

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

1   Supported with Data Protector 6.11 only. Following Windows hotfixes are required for Windows Server 2008 support: KB952790, KB971254
2   When performing Data Replication enabled backups, ensure that only one SMIS provider manages the arrays involved.
3   GPT partitions are not supported.

Supported configurations – Windows 64-bit (Itanium) [4]				
Windows Server 2008 R2[1]	**Single-host BC**	**Dual-host BC**	**CA**	**CA and BC[2] (combined)**
Raw disk	ZDB with IR	ZDB with IR	n/a	ZDB with IR
NTFS file system	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Microsoft SQL Server 2005	not supported	ZDB with IR	n/a	ZDB with IR
Microsoft SQL Server 2008	not supported	ZDB with IR	n/a	ZDB with IR
Microsoft SQL Server 2008 R2	not supported	ZDB with IR	n/a	ZDB with IR
Microsoft SharePoint Server 2010[3]	-	-	-	-

[1] Supported with Data Protector 6.11 only.

[2] When performing Data Replication enabled backups, ensure that only one SMIS provider manages the arrays involved.

[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] GPT partitions are not supported.

Supported configurations – Windows 64-bit (x64) [7]				
Integration on Windows Server 2003	single-host BC	dual-host BC	CA	CA and BC[1] (combined)
Raw disk	ZDB with IR	ZDB with IR	n/a	ZDB with IR
NTFS file system	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Microsoft Exchange Server 2007/2010 [2]	-	-	-	-
Microsoft SQL Server 2005	not supported	ZDB with IR	n/a	ZDB with IR
Microsoft SQL Server 2008 [3]	not supported	ZDB with IR	n/a	ZDB with IR
Oracle 9i RMAN offline or online [4]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 10g RMAN offline or online [4, 6]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 11g RMAN offline or online [4, 6]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
SAP R/3 4.7 with Brtools 6.40 offline or online [5]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 6.20 offline or online [5]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 6.40 offline or online [5]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 7.1 offline or online [5]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 7.2 offline or online [5]	not supported	ZDB with IR	n/a	ZDB with IR

[1] When performing Data Replication enabled backups, ensure that only one SMIS provider manages the arrays involved.

[2] 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.

[3] Supported with Data Protector 6.11 only.

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

[5] The integration is implemented using the "backint" functionality.

[6] Oracle 10g RAC/11g RAC based on Oracle ASM is not currently supported in combination with ZDB/IR

[7] GPT partitions are not supported.

Supported configurations – Windows 64-bit (x64) [8]				
Windows Server 2008[1]	single-host BC	dual-host BC	CA	CA and BC[2] (combined)
Raw disk	ZDB with IR	ZDB with IR	n/a	ZDB with IR
NTFS file system	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 10g RMAN offline or online [4, 5]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 11g RMAN offline or online [4, 5]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 11g R2 RMAN offline or online [4, 5, 6]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Microsoft Exchange Server 2007 [3]	-	-	-	-
Microsoft SQL Server 2005	not supported	ZDB with IR	n/a	ZDB with IR
Microsoft SQL Server 2008	not supported	ZDB with IR	n/a	ZDB with IR
Microsoft SQL Server 2008 R2	not supported	ZDB with IR	n/a	ZDB with IR

		single-host BC	dual-host BC	CA	CA and BC (combined)
SAP BR*Tools 7.1 offline or online[9]		not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 7.2 offline or online [7]		not supported	ZDB with IR	n/a	ZDB with IR

[1] Supported with Data Protector 6.11 only. Following Windows hotfixes are required for Windows Server 2008 support: KB952790, KB971254

[2] When performing Data Replication enabled backups, ensure that only one SMIS provider manages the arrays involved.

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

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

[5] Oracle 10g RAC/11g/11g R2 RAC based on Oracle ASM is not currently supported in combination with ZDB/IR

[6] Supported with Data Protector 6.11 using the patch: DPWIN_00486.

[7] Supported with Data Protector 6.11 using following SSP: SSPNT611_028. The integration is implemented using the "backint" functionality.

[8] GPT partitions are not supported.

[9] Supported with Data Protector 6.11 using following SSP: SSPNT611_028

Supported configurations – Windows 64-bit (x64) [8]

Windows Server 2008 R2[1]	single-host BC	dual-host BC	CA	CA and BC[2] (combined)
Raw disk	ZDB with IR	ZDB with IR	n/a	ZDB with IR
NTFS file system	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 10g RMAN offline or online [4, 5]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 11g RMAN offline or online [4, 5]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 11g R2 RMAN offline or online [4, 5, 6]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Microsoft Exchange Server 2007 [3]	-	-	-	-
Microsoft SQL Server 2005	not supported	ZDB with IR	n/a	ZDB with IR
Microsoft SQL Server 2008	not supported	ZDB with IR	n/a	ZDB with IR
Microsoft SQL Server 2008 R2	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 7.2 offline or online [7]	not supported	ZDB with IR	n/a	ZDB with IR

[1] Supported with Data Protector 6.11 only.

[2] When performing Data Replication enabled backups, ensure that only one SMIS provider manages the arrays involved.

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

[4] Oracle10g/11g/11gR2 includes all released versions of 10g,11g:10.x.x; 11.x.x.

[5] Oracle 10g RAC/11g RAC/ 11gR2 RAC based on Oracle ASM is not currently supported in combination with ZDB/IR

[6] Supported with Data Protector 6.11 using the patch: DPWIN_00486.

[7] Supported with Data Protector 6.11 using following SSP: SSPNT611_028. The integration is implemented using the "backint" functionality.

[8] GPT partitions are not supported.

Supported configurations – Solaris (SPARC)

Integrations on Solaris 8, 9, 10	single-host BC	dual-host BC	CA	CA and BC[1] (combined)
Raw Disk	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Raw Logical Volume	ZDB with IR	ZDB with IR	n/a	ZDB with IR
File System	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 9i RMAN offline or online[2]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 10g RMAN offline or online [2, 6]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 11g RMAN offline or online [2, 6]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
Oracle 11g R2 RMAN offline or online [2, 6, 7]	ZDB with IR	ZDB with IR	n/a	ZDB with IR
SAP R/3 4.6x with brbackup 4.6x offline or online [3,4]	not supported	ZDB with IR	n/a	ZDB with IR

SAP R/3 4.7 with Brtools 6.40 offline or online [4]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 6.10, 6.20 offline or online [4]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 6.40 offline or online [4]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 7.0 offline or online [4]	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 7.1 offline or online [4,5]	not supported	ZDB with IR	n/a	ZDB with IR

[1] When performing Data Replication enabled backups, ensure that only one SMIS provider manages the arrays involved.

[2] Oracle 9i/10g/11g includes all released versions of 9i,10g,11g: 9.x.x, 10.x.x; 11.x.x.

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

[4] The integration is implemented using the "backint" functionality.

[5] Supported with Data Protector 6.11 only.

[6] Oracle 10g RAC/11g RAC based on Oracle ASM is not currently supported in combination with ZDB/IR

[7] Supported with Data Protector 6.11 using the patches: PHSS_41667/PHSS_41668/DPSOL_00433/DPLNX_00139

Supported configurations – Linux (x64)					
	RHEL/SLES versions	single-host BC	dual-host BC	CA	CA and BC[1] (combined)
Raw Disk	RHEL 5.3, 5.4 and SLES 10(SP2), 11	not supported	ZDB with IR	n/a	ZDB with IR
Raw Logical Volume	RHEL 5.3, 5.4 and SLES 10(SP2), 11	not supported	ZDB with IR	n/a	ZDB with IR
File System	RHEL 5.3, 5.4 and SLES 10(SP2), 11	not supported	ZDB with IR	n/a	ZDB with IR
SAP BR*Tools 7.2 offline or online[2,3]	RHEL 5.5, 5.6 and SLES 10, 11	not supported	ZDB with IR	n/a	ZDB with IR

[1] When performing Data Replication enabled backups, ensure that only one SMIS provider manages the arrays involved.

[2] The integration is implemented using the "backint" functionality.

[3] Supported with the Site Specific Patch: SSPLNX611_029.

Supported configurations – Linux (x86)					
	RHEL/SLES versions	single-host BC	dual-host BC	CA	CA and BC[1] (combined)
SAP BR*Tools 7.2 offline or online[1,2]	RHEL 5.5 and SLES 10	not supported	ZDB with IR	n/a	ZDB with IR

[1] The integration is implemented using the "backint" functionality.

[2] Supported with the Site Specific Patch: SSPLNX611_029.

Supported volume managers				
Operating system	Volume manager			
	LVM	VxVM	LVM2	Disk manager
HP-UX	supported	not supported	supported[2]	n/a
Sun Solaris	n/a	supported	not supported	n/a
Windows	n/a	not supported	not supported	supported [1]
Linux	not supported	not supported	supported	n/a

[1] Dynamic disks are not supported

[2] Support for LVM 2.1is also available with the Site specific Patch: SSPUX611_032.

Supported Secure Path versions	
Operating system	Secure path / MPIO / Device Mapper
HP-UX	3.0F (newest available version recommended)

Sun Solaris	3.0D(SP1) (newest available version recommended)
Windows	4.0C(SP2) (newest available version recommended)
Linux	Device Mapper 4.2.0 (newest available version recommended)

Supported backup topologies

The HP StorageWorks Enterprise Virtual Array integration can be used in different backup topology scenarios without any user interference or special configuration:

- One application system, one disk array, one backup system
- One application system, multiple disk arrays, one backup system
- Multiple application systems, one or multiple disk arrays, one backup system
- Single system (filesystem, disk image and Oracle backup only)

For cluster support related information, please refer to *HP Data Protector 6.1x Zero Downtime Backup Administrator's Guide*.

For details on supported versions of clustering software, please see *HP Data Protector A.06.1x Platform and Integration Support Matrix*.