Applications	Release: 9.6.0	Doc Version: V34.3

General Note:
The following explains support for managed database and application discovery using CIM Extension:

For more details, please refer to the HP Storage Essentials Guides located at http://support.openview.hp.com/selfsolve/manuals. Search under the product name "storage essential srm" and version "9.5.1" for the latest web release of the product documentation.

Database	Version	Platform	Comments
Oracle	10g (10.1.0.2)	Windows 2003 (x86, IA64) HP-UX 11.11, 11.23 (IA & PA) AIX 5.2, AIX 5.3 Solaris 9, 10 (SPARC)	Oracle RAW volume support: - Supported on Solaris (SPARC & x86_64) and AIX - Supported on 10g and 11g for HP-UX - Supported on 10g and 11g for RHEL 4 & RHEL 5 - Not supported on Windows
	10g (10.1.0.3)	RHEL 4, RHEL 5, SLES 9, SLES 10 (x86, x64, IA64) OVMS 8.2, 8.2.1, 8.3 (Alpha and Itanium)	Oracle ASM support: - Supported on 10g/10gR2 for HP-UX 11.11, HP-UX 11.23 (IA & PA) & HP-UX 11.31 (IA & PA) - Supported on 10g/10gR2 for Solaris 10 (SPARC & x86_64) - Supported on 10g/10gR2 for Windows 2003 (x86, x64 & IA64) & 2008 (x86, x64)
	10gR2 (10.2.0.1)	Windows 2003 (x86, x64, IA64) HP-UX 11.11, 11.23, 11.31 (IA & PA) AIX 5.2, AIX 5.3 RHEL 4, RHEL 5, SLES 9, SLES 10 (x86, x64, IA64) Solaris 9, 10 (SPARC), Solaris 10 (x86_64)	- Supported on 10g/10gR2 for RHEL 4, RHEL 5 & SLES 10 (x86, x64 & IA64) - Supported on 11gR1 for HP-UX 11.23 (IA & PA) & HP-UX 11.31 (IA & PA) - Supported on 11gR1 for Solaris 10 (SPARC) - Supported on 11gR1 for Windows 2003 (x86 & x64) & 2008 (x86, x64) - Supported on 11gR1 for RHEL 4, RHEL 5 & SLES 10 (x86 & x64) - Supported on 11gR2 for HP-UX 11.31 (IA and PA) - Supported on 11gR2 for Solaris 10 (SPARC) - Supported on 11gR2 for Windows 2008 R2 x64 - Supported on 11gR2 for RHEL5 x64, SUSE10SP3 x86.
	10gR2 (10.2.0.2)	OVMS 8.2, 8.2.1, 8.3 (Alpha and Itanium)	For RHEL & SLES, Oracle ASM instance configured with ASMlib, stamped disks as well as un-stamped disks are supported.
	10gR2 (10.2.0.3)	Windows 2008 x86 RHEL 4 (x86)	Oracle Advanced Security Option (ASO) configurations using RADIUS/Kerberos/SSL for authentication are not supported.
	10gR2 (10.2.0.4)	Windows 2003 (x86, x64, IA64), Windows 2008 x64 HP-UX 11.11, 11.23, 11.31 (IA & PA) AIX 5.2, AIX 5.3 RHEL 4, RHEL 5, SLES 9, SLES 10 (x86, x64, IA64) OVMS 8.2, 8.2.1, 8.3 (Alpha and Itanium) Solaris 9, 10 (SPARC), Solaris 10 (x86_64)	Oracle configured on File Systems is supported on Solaris non-global zones. Oracle on RAW devices with ASM is not supported on Solaris non-global zones. CIM Extensions should not be installed on a Solaris non-global zone for Oracle discovery. *For more details, please refer to the HP Storage Essentials User & Application Guides for the latest web release of the product documentation.* IPv6 Support: Oracle 11gR2 configured on a host with IPv6 address is supported. Oracle running on Solaris non Global zone with IPv6 address is not supported.

	11gR1 (11.1.0.6.0, 11.1.0.7.0)	Windows 2003 (x86, x64), Windows 2008 (x86, x64) HP-UX 11.23, 11.31 (IA & PA) AIX 5.3, AIX 6.1 RHEL 4, RHEL 5, SLES 10 (x86, x64) Solaris 10 (SPARC)	
	11gR2 (11.2.0.1.0)	Windows 2003 (x86, x64), Windows 2008 (x86, x64) HP-UX 11.31 (IA & PA) AIX 5.3, RHEL5 ,SUSE10 (x86,x64) Solaris 10 (SPARC)	
Oracle RAC	10gR2 RAC	HP-UX 11.23 IA & PA - VCS 4.1 & 5.0	Automatic discovery of Host Cluster & Oracle RAC is supported only for Oracle RAC on Solaris Veritas Cluster, HP-UX Veritas Cluster, HP-UX ServiceGuard Cluster, Oracle CRS Cluster on RHEL 4 U5 x64 & HACMP. For those not supporting automatic discovery, use the Cluster Builder tool to manually define the Host Cluster for Oracle RAC discovery to occur.
		HP-UX 11.31 IA & PA - VCS 5.0	
		HP-UX 11.23 IA & PA - ServiceGuard 11.18	Oracle 10gR2 RAC configured on file system, RAW volumes & ASM is supported.
			Oracle 10gR2 RAC on HACMP configured on RAW volumes or disk is supported. Please refer to the Oracle metalink Doc ID: 404474.1 for supported configurations of Oracle RAC on HACMP.
		Solaris 10 (SPARC & x86_64) - VCS 5.0	
			In the case of HACMP on AIX, Oracle RAC configured on GPFS or ASM is not supported.
		OVMS 8.3 (Alpha and Itanium)	In the case of Oracle CRS clusters on AIX, only Oracle configured with ASM is supported.
		RHEL 4 U5 x64 - Oracle Clusterware	Oracle Advanced Security Option (ASO) configurations using RADIUS/Kerberos/SSL for authentication are not supported.
		AIX 5.3 - HACMP 5.4.1 with or without SP4	
		AIX 6.1 -Oracle 10g R2 CRS	Oracle RAC on Solaris non-global zones is not supported.
	11g R1 RAC	HP-UX 11.23 IA & PA - VCS 5.0	Auto-scan discovery is not supported for Oracle11gR2 RAC.
		HP-UX 11.31 IA & PA - VCS 5.0	Oracle 11gR2 policy managed RAC is not supported.
			Oracle RAC one-node is not supported.
		HP-UX 11.23 IA & PA - ServiceGuard 11.18 & 11.19	*For more details, please refer to the HP Storage Essentials User & Application Guides located at http://support.openview.hp.com/selfsolve/manuals. Search under the product name "storage essential srm" and version "9.5.1" for the latest web release of the product documentation.*
		Solaris 10 (SPARC) - VCS 5.0	
	11g R2 RAC	HP-UX 11.31 IA - VCS 5.0.1	
		HP-UX 11.31 PA & IA - ServiceGuard 11.19	
		RHEL 5.3 -Oracle Clusterware	

		SuSE 10 SP3 with Oracle Clusterware	
		Solaris 10 - VCS 5.0 mp3 rp4	
	11g R2 RAC (11.2.0.3)	HP-UX 11.31 IA - ServiceGuard 11.20	
Oracle Failover Cluster	10g R2	HP-UX 11.23 IA & PA - VCS 4.1 & 5.0	Automatic discovery of Host Cluster & Oracle Failover Cluster is supported Oracle Failover Cluster on Solaris Veritas Cluster, HP-UX Veritas Cluster, HP-UX ServiceGuard Cluster & Windows MSCS with or without VxVM/VxDMP.
		HP-UX 11.31 IA & PA - VCS 5.0	Oracle Failover Cluster configured on file system & raw volumes is supported on HP-UX and Solaris Clusters.
		HP-UX 11.23 IA & PA - ServiceGuard 11.18	For Windows MSCS cluster, Oracle Failover Cluster configured on a file system is supported.
		Solaris 10 (SPARC, x86_64) - VCS 5.0	Oracle Advanced Security Option (ASO) configurations using RADIUS/Kerberos/SSL for authentication are not supported.
		Windows 2003 (x86, x86_64) - MSCS with or without VxVM/VxDMP	Oracle fail-over clusters on Solaris non-global zones are not supported.

For more details, please refer to the HP Storage Essentials User & Application Guides located at http://support.openview.hp.com/selfsolve/manuals. Search under the product name "storage |
		Windows 2008 - MSCS	*essential srm" and version "9.5.1" for the latest web release of the product documentation.*
	11g R1	HP-UX 11.23 IA & PA - VCS 5.0	
		HP-UX 11.31 IA & PA - VCS 5.0	
		HP-UX 11.23 IA & PA - ServiceGuard 11.18 & 11.19	
		Solaris 10 (SPARC) - VCS 5.0	
		Windows 2003 (x86, x86_64) - MSCS with or without VxVM/VxDMP	
		Windows 2008 (x86, x86_64) - MSCS with or without VxVM/VxDMP	
	11g R2	HP-UX 11.31 PA & IA- ServiceGuard 11.19	
		HP-UX 11.31 IA -VCS 5.0.1	
		Solaris 10 (SPARC) - VCS 5.0 MP3RP4	

		Windows 2003 (x86, x86_64) - MSCS	
Sybase	ASE 12.5.0, 12.5.1, 12.5.2	Win 2K, 2K3, Solaris 9, 10(SPARC), HP-UX 11.11 and 11.23	Sybase configured on RAW volumes is supported under HP-UX and Solaris. Sybase-IQ is not supported.
	ASE 12.5.3	HP-UX 11.11 & 11.23 (IA, PA)	*For more details, please refer to the HP Storage Essentials User & Application Guides located at http://support.openview.hp.com/selfsolve/manuals. Search under the product name "storage essential srm" and version "9.5.1" for the latest web release of the product documentation.*
	ASE 12.5.4	Solaris 10 (x86_64)	
	ASE 15.0.3	Solaris 10 SPARC AIX 6.1	
MS-SQL Server and MS-SQL Server Cluster	MS-SQL Server 2005 (x86) with or without SP1, SP2 or SP3	Windows 2003 (x86)	1. For MS-SQL Server support, a database user needs to be created to support discovery. For details, refer to the Storage Essentials User Guide. 2. Both Mixed-mode authentication and Windows authentication modes are supported. 3. For MS-SQL Server Failover Cluster support on Windows 2003 Cluster, it must be installed with Microsoft Cluster (MSCS) with or without VxVM/VxDMP. 4. For MS-SQL Server Failover Cluster support on Windows 2008 Cluster, it must be installed with Microsoft Cluster (MSCS). IPv6 Support: MS SQL Server 2008 and 2008 R2 (standalone as well as Cluster) configured on Windows 2008 and Windows 2008 R2 based IPv6 hosts & hostclusters respectively are supported. *For more details, please refer to the HP Storage Essentials User & Application Guides located at http://support.openview.hp.com/selfsolve/manuals. Search under the product name "storage essential srm" and version "9.5.1" for the latest web release of the product documentation.*
	MS-SQL Server 2005 (x86) with SP2 or SP3	Windows 2008 (x86)	
	MS-SQL Server 2005 (x64) with or without SP1, SP2 or SP3	Windows 2003 (x64)	
	MS-SQL Server 2005 (x64) with SP2 or SP3	Windows 2008 (x64)	
	MS-SQL Server 2005 (IA64) with or without SP1, SP2 or SP3	Windows 2003 (IA64)	
	MS-SQL Server 2005 (IA64) with SP2 or SP3	Windows 2008 (IA64)	
	MS-SQL Server 2008 (x86) , with SP1, SP2, SP3	Windows 2003, 2008 (x86)	
	MS-SQL Server 2008 (x64), with SP1, SP2, SP3	Windows 2003, 2008, 2008 R2 (x64)	
	MS-SQL Server 2008 (IA64), with SP1, SP2 , SP3	Windows 2003, 2008, 2008 R2 (IA64)	
	MS-SQL Server 2008 R2 (x86)	Windows 2003 SP2 , Windows 2008, Windows 2008 R2 (x86)	
	MS-SQL Server 2008 R2 (x64)	Windows 2003 SP2 , Windows 2008, Windows 2008 R2 (x64)	

	MS-SQL Server 2008 R2 (IA64)	Windows 2003 SP2 , Windows 2008, Windows 2008 R2 (IA64)	
Intersystems Cache **[DEPRECATED]**	5.2	AIX 5.3, Windows 2003, OVMS 8.3 (Alpha), RHEL 4	*Deprecated* *For more details, please refer to the HP Storage Essentials User & Application Guides located at http://support.openview.hp.com/selfsolve/manuals. Search under the product name "storage essential srm" and version "9.5.1" for the latest web release of the product documentation.*
	2009.1	HP-UX 11.23	
	2009.1.3	OVMS 7.X (Alpha), OVMS 8.3 (Itanium), AIX 6.1	
	2010.1, 2010.2	OVMS 8.X (Itanium), OVMS 7.x (Alpha), HP-UX 11.23 (Itanium), AIX 5.3, 6.1	
IBM Informix Dynamic Server	10	HP-UX 11.11, 11.23, 11.31 (IA, PA) Solaris 10 (SPARC) AIX 5.3	IDS configured on RAW volumes is also supported. The JDBC driver for IDS is required to be installed on the Storage Essentials CMS to support discovery. *For more details, please refer to the HP Storage Essentials User & Application Guides located at http://support.openview.hp.com/selfsolve/manuals. Search under the product name "storage essential srm" and version "9.5.1" for the latest web release of the product documentation.*
	11.1	HP-UX 11.11, 11.23, 11.31 (IA, PA) Solaris 10 (SPARC) AIX 5.3	
	11.5	HP-UX 11.11, 11.23, 11.31 (IA, PA) Solaris 10 (SPARC) AIX 5.3	
IBM DB2	9.1	HP-UX 11.31 IA AIX 5.3 RHEL 4 U5 Windows 2003, Windows 2008	DB2 configured on RAW volumes is also supported on UNIX platforms. The JDBC driver for DB2 is required to be installed on the Storage Essentials CMS to support discovery. *For more details, please refer to the HP Storage Essentials User & Application Guides located at http://support.openview.hp.com/selfsolve/manuals. Search under the product name "storage essential srm" and version "9.5.1" for the latest web release of the product documentation.*
	9.5	HP-UX 11.31 IA AIX 5.3 RHEL 4 U5 Windows 2003, Windows 2008	
	9.7	HP-UX 11.31 IA AIX 5.3 RHEL 4 U5 Windows 2003, Windows 2008	
File System Viewer	**Version**	**Platform**	**Comments**

File System Viewer		Win 2K, 2K3, 2K8 Solaris 9, 10 (SPARC), Solaris 10 (x86_64), HP-UX 11iv1(11.11), 11iv2 (11.23pi), 11iv3 (11.31) RHEL 3.0, 4.0, 5.0 SLES 9.0, 10.0 AIX 5.2, 5.3, 6.1	Note: For OS's and File Systems supported by File System Viewer, refer to the associated OS tab in this matrix - the 32-bit/64-bit support details provided in the OS tab also pertains to File System Viewer. File System Viewer requires roughly 80 MB per 1 million files scanned to store the file details, this may vary depending on the length of file names and any optional file attributes enabled for collection. This consumption applies to both the disk space locally on managed host performing the file collection task and the central management server to store the resulting data in compressed filedbs. In both cases the filedbs are overwritten when a subsequent scan is performed. Solaris - UFS, VXFS/VXVM. Can follow mount points to scan NFS and CIFS file systems. Properly factors capacity in clusters (does not double count capacity) provided the cluster is auto detected or has been defined manually through the use of Cluster Builder tool. Licensing - Storage Essentials v9.5 (or later): 1 Application Viewer MAL per managed host (w/CIM Extension) enabled for FSV collection. IPv6 Support: File System Viewer on IPv6 address based host/hostcluster is supported. For supported platform/OS combinations, please refer associated OS tab. *For more details, please refer to the HP Storage Essentials File Servers Guide located at http://support.openview.hp.com/selfsolve/manuals. Search under the product name "storage essential srm" and version "9.5.1" for the latest web release of the product documentation.*
Exchange Viewer	**Version**	**Platform**	**Comments**
Exchange Server	Exchange 2003 SP2	Windows 2003 with or without SP1 or SP2	Following comment applies for Exchange Server and Exchange Server Cluster - 1. Exchange Server & Exchange Server Cluster can be part of multiple Active Directory Domains. 2. Each domain can have multiple sub-domains.
	Exchange 2007, 2007 SP1	Windows 2003 (x64)	
	Exchange 2007 SP1	Windows 2008 (x64)	
Exchange Server Cluster	Exchange 2003 with SP2	Windows 2003 (x86) Windows 2003 R2 (x86)	1. Exchange Cluster must be installed with Microsoft Cluster (MSCS) with or without VxVM/VxDMP. 2. For Exchange 2007, Single copy cluster (SCC), Local Continuous Replication (LCR) & Cluster Continuous replication (CCR) are supported.
	Exchange 2007, 2007 SP1	Windows 2003 (x64) Windows 2003 R2 (x64)	
	Exchange 2007 SP1	Windows 2008 (x64) Windows 2008 R2 (x64)	1. Exchange Cluster must be installed with Microsoft Cluster (MSCS). 2. For Exchange 2007, Single copy cluster (SCC), Local Continuous Replication (LCR) & Cluster Continuous replication (CCR) are supported.
Backup Manager	**Version**	**Platform**	**Comments**

Netbackup	6.5, 6.5.2, 7.0, 7.1	Solaris 9,10 HPUX Linux W2K, W2K3, W2K8 AIX 5.3, 6.1	CIM Extension only needs to be installed on the NetBackup Master Servers. AIX is supported with NetBackup 7.0, 7.1 NetBackup Access Control (NBAC) authentication is not supported. *Refer to the native vendor documentation for information regarding which versions are supported on which OSs. Database Sizing: 139.01 KBs/1000 images 153.96 KBs/1000 jobs 135.56 bytes/1000 media Licensing – Storage Essentials v9.5 (or later): 1 Backup Manager MAL per Master Server discovered. Media Servers do not count toward Backup Manager MALs
HP Data Protector	6.1, 6.11, 6.2, 6.21, 7.0	Win 2008 SP1, Win 2008 SP2, Win 2008 R2 Solaris 10 HP-UX 11.11, 11.23, 11.31 SuSE 10, SuSE 11 RHEL 5, RHEL 6 HPUX SG Cluster, Windows MSCS Cluster	Support for both agent-less (DP Client) and agent-based (CIM Extension) based Cell Manager discovery. For details, please refer to the to the HP Storage Essentials User Guide located at http://support.openview.hp.com/selfsolve/manuals. Search under the product name "storage essential srm" and version "9.5.1" for the latest web release of the product documentation. DP Cell Manager Cluster support using CIM Extensions only. DP Manager of Managers (MoM) support using CIM Extensions only (identifying a Cell Manager in a MOM environment). HP StoreOnce Deduplication Software - Backup to Disk (D2D) configurations are not supported. ECC (Encrypted Control Communication) is not supported. If ECC is enabled Storage Essentials backup discovery and data collection will fail. Support for English OS with US-English Locale only. Licensing
EMC Networker	7.3, 7.4, 7.5, 7.6	W2K3, W2K8 HPUX 11.23 PA-RISC/IA 64 bit Solaris Linux	No VM and cluster support.
IBM TSM	5.4, 6.1	AIX 5.3, 6.1 Windows 2003 , Windows 2008	
Report Optimizer	**Version**	**Platform**	**Comments**

| SE Reporter | 9.5.1 | Windows 2003 SP2, R2 SP2 - 32 bit Ent Ed
Windows 2008 SP1, SP2 (x64), Windows 2008 R2, Windows 2008 R2 SP1 - 64 bit Standard or Enterprise Edition
Linux RHEL5 Update 5, 6 (64-bit)
SLES 10 SP2 (64-bit) | For server specifications, refer to the HP Storage Essentials Installation Guide located at http://support.openview.hp.com/selfsolve/manuals. Search under the product name "storage essential srm" and version "9.5.1" for the latest web release of the product documentation.

Refer the Mgr Platform tab for details
IPv6 Support: SE Reporter is supported on a server with IPv4 as well as IPv6 address and both the ip addresses (IPv4 & IPv6) should point to the same simplified DNS name. Further detail/clarification is in SE documentation. |

The following table represents application discovery without CIM Extension :

Database Viewer	Version	Platform	Comments
Oracle	10g (10.1.0.2)	Windows 2003 (x86, IA64)	Raw volume support: - supported on 10g and 11g for RHEL 4 & RHEL 5 - not supported on Windows Oracle ASM support: - supported on 10g/10gR2 for Windows 2003 (x86, x64 & IA64) & 2008 (x86, x64) - supported on 10gR2 for RHEL 4 & SLES 10 (x86, x64) For RHEL & SLES, Oracle ASM instance configured with ASMlib stamped disks as well as un-stamped disks are supported. - supported on 11gR1 for Windows 2003 (x86 & x64) & 2008 (x86, x64) - Supported on 11gR2 for Windows 2008 R2 x64 - supported on 11gR2 for RHEL 5 (x64), SLES 10 SP 4 (x86) Oracle instances having the ASO configurations using RADIUS/Kerberos/SSL for authentication will not be supported. Oracle Auto scan is not supported IPv6 Support: Oracle 11gR2 configured on a host with IPv6 address is supported.
	10gR2 (10.2.0.1)	Windows 2003 (x86, x64, IA64) RHEL 4, SLES 10 (x86, x64)	
	10gR2 (10.2.0.3)	Windows 2008 x86 RHEL 4 (x86)	
	10gR2 (10.2.0.4)	Windows 2003 (x86, x64, IA64), Windows 2008 x64 RHEL 4, SLES 10 (x86, x64)	
	11gR1 (11.1.0.6.0, 11.1.0.7.0)	Windows 2003 (x86, x64), Windows 2008 (x86, x64) RHEL 5, SLES 10 (x86, x64)	
	11gR2 (11.2.0.1.0)	Windows 2003 (x86, x64), Windows 2008 (x86, x64) RHEL5 ,SUSE10 (x86,x64)	
MS-SQL Server	MS-SQL Server 2005 (x86) with or without SP1, SP2 or SP3	Windows 2003 (x86)	1. For MS-SQL Server support, a database user needs to be created. For details, refer guide. 2. Mixed mode as well as Windows authentication mode are supported. 3. MS-SQL Server Failover Cluster is not supported. IPv6 Support: MS SQL Server 2008 and 2008 R2 (standalone) configured on Windows 2008 and Windows 2008 R2 based IPv6 hosts are supported.
	MS-SQL Server 2005 (x86) with SP2 or SP3	Windows 2008 (x86)	
	MS-SQL Server 2005 (x64) with or without SP1, SP2 or SP3	Windows 2003 (x64)	
	MS-SQL Server 2005 (x64) with SP2 or SP3	Windows 2008 (x64)	
	MS-SQL Server 2005 (IA64) with or without SP1, SP2 or SP3	Windows 2003 (IA64)	

	MS-SQL Server 2005 (IA64) with SP2 or SP3	Windows 2008 (IA64)	
	MS-SQL Server 2008 (x86) , with SP1, SP2	Windows 2003, 2008 (x86)	
	MS-SQL Server 2008 (x64), with SP1, SP2	Windows 2003, 2008, 2008 R2 (x64)	
	MS-SQL Server 2008 (IA64), with SP1, SP2	Windows 2003, 2008, 2008 R2 (IA64)	
	MS-SQL Server 2008 R2 (x86)	Windows 2003 SP2 , Windows 2008, Windows 2008 R2 (x86)	
	MS-SQL Server 2008 R2 (x64)	Windows 2003 SP2 , Windows 2008, Windows 2008 R2 (x64)	
	MS-SQL Server 2008 R2 (IA64)	Windows 2003 SP2 , Windows 2008, Windows 2008 R2 (IA64)	
Exchange Viewer	**Version**	**Platform**	**Comments**
Exchange Server	Exchange 2003 SP2	Windows 2003 with or without SP1 or SP2	Following comment applies for Exchange Server 1. Exchange Servers from multiple Active Directory Domains are supported. 2. Each domain can have multiple sub-domains. 3. Mail boxes and public folders are not supported. 4. No type of cluster is supported.
	Exchange 2007, 2007 SP1	Windows 2003 (x64)	
	Exchange 2007 SP1	Windows 2008 (x64)	