Manager Platform	Release: 9.6.0	Doc Version: V34.3	
Software Platform	**CPU and Memory**	**Disk requirements**	**Comment**

Operating System:
Windows 2008 SP1, SP2 (x64), Windows 2008 R2, Windows 2008 R2 SP1 (64-bit Standard or Enterprise Edition)
 	
Database:
Oracle Database 11g R2 (required, provided)
 	
Supported Management Server Configurations:
Single Server (default) -
Storage Essentials SRM and SE Reporter (Report Database & Report Optimizer) installed on the SAME server.
Dual Server (recommended) -
Storage Essentials SRM installed on one Windows server and SE Reporter (Report Database & Report Optimizer) installed on a SEPARATE Windows (or) Linux server.
 	
3rd Party Software & Application coexistence:
It is recommended to install SE SRM on dedicated physical servers with no additional applications or databases other than those explicitly listed here as required or supported for coexistence. Optionally SE SRM and SE Reporter software can be installed on VMware Guest OS with known performance impact (see Optional section below)
 	
SE Reporter (Report Database & Report Optimizer):
Installation of SE Reporter enables read-only report generation capabilities by default. Optionally, Report Optimizer user licenses can be purchased to provide ad-hoc custom reporting capabilities.
	CPU
	Single Server
	Minimum: Quad core
	Recommended: Dual Quad core
	Dual Server
	Minimum: Dual core
	Recommended: Quad core+
	
	RAM
	Single Server
	  Minimum : 16GB
	  Recommended: 24 GB +
	Dual Server
	  Minimum : 8 GB
	  Recommended : 12 GB +
		Single server
		Minimum : 20 GB
		Recommended: 50 GB
		
		Dual Server
		Minimum: 10 GB
		Recommended: 50 GB
		
		Database:
		
		Default: (Archive Log Mode & RMAN Disabled)
		Single Server
		Minimum : 200 GB
		Recommended : 300 GB
		Dual Server
		Minimum : 100 GB
		Recommended : 200 GB
		
		Optional:(Archive Log Mode & RMAN Enabled)
		Single Server
		Minimum: 350 GB
		Recommended : 450 GB
		Dual Server
		Minimum:
		200 GB for Storage Essentials SRM CMS
		100 GB for SE Reporter
		Recommended :
		350 GB for Storage Essentials SRM CMS
		200GB for SE Reporter
			Required for installation:
			- DVD-ROM
			- IP connectivity for the mgmt server.
			- In order to view the End User License Agreement (EULA), Adobe PDF reader must be installed on the system in which the browser is launched.
			- Refer to the Storage Essentials User Guide for various device specific pre-requisite software that needs to be installed on the CMS where applicable or in the managed environment to support device discovery.
			
			General:
			- The English version of the application can be run on North American, Asian, and European locales.
			- Supports multi-homed/multiple NICs on CMS
			- It is recommended Windows Update be used to keep the Windows operating system current.
			
			Deployment Strategy:
			HP Storage Essentials software is not customer installable and requires mandatory HP Installation and Startup Service delivered by a HP professional service representative or a HP Certified Partner
			- In the case SE 6.3 Reporter running on a Windows platform is migrated to SE 9.4 Reporter running on Linux 64-bit, there is no support provided for migrating the custom reports.
			
			IPv6 Support:
			Storage Essentials 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 is in SE documentation.

	CPU	Single server	Required for installation:

Operating System:
Linux RHEL 5 Update 9 (64-bit)
Linux RHEL 6 Update 3(64-bit)
SLES 11 (64-bit)
Database:
Oracle Database 11g R2 (required, provided)
 	
Supported Management Server Configurations:
Single Server (default) -
Storage Essentials SRM and SE Reporter (Report Database & Report Optimizer) installed on the SAME server.
Dual Server (recommended) -
Storage Essentials SRM installed on one Linux server and SE Reporter (Report Database & Report Optimizer) installed on a SEPARATE Windows (or) Linux server.
 	
3rd Party Software & Application coexistence:
It is recommended to install SE SRM on dedicated physical servers with no additional applications or databases other than those explicitly listed here as required or supported for coexistence. Optionally SE SRM and SE Reporter software can be installed on VMware Guest OS with known performance impact (see Optional section below)
 	
SE Reporter (Report Database & Report Optimizer):
Installation of SE Reporter enables read-only report generation capabilities by default. Optionally, Report Optimizer user licenses can be purchased to provide ad-hoc custom reporting capabilities..
	Single Server
	Minimum: Quad core
	Recommended: Dual Quad core
	Dual Server
	Minimum: Dual core
	Recommended: Quad core+
	
	RAM
	Single Server
	   Minimum : 16GB
	   Recommended: 24 GB +
	Dual Server
	   Minimum : 8 GB
	   Recommended : 12 GB +
		Minimum : 20 GB
		Recommended: 50 GB
		
		Dual Server
		Minimum: 10 GB
		Recommended: 50 GB
		
		Database
		
		Default: (Archive Log Mode & RMAN Disabled)
		Single Server
		Minimum : 200 GB
		Recommended : 300 GB
		Dual Server
		Minimum : 100 GB
		Recommended : 200 GB
		
		Optional:(Archive Log Mode & RMAN Enabled)
		Single Server
		Minimum: 350 GB
		Recommended : 450 GB
		Dual Servers
		Minimum:
		200 GB for Storage Essentials SRM CMS
		100 GB for SE Reporter
		Recommended :
		350 GB for Storage Essentials SRM CMS
		200GB for SE Reporter
			- DVD-ROM
			- IP connectivity for the mgmt server.
			- In order to view the End User License Agreement (EULA), Adobe PDF reader must be installed on the system in which the browser is launched.
			- Refer SE user guide for various device specific software that needs to be installed in CMS for their discovery.
			
			General:
			- The English version of the application can be run on North American, Asian, and European locales.
			- Supports multi-homed/multiple NICs on CMS
			
			Deployment Strategy:
			 HP Storage Essentials software is not customer installable and requires a mandatory HP installation and Startup Service delivered by a HP professional service representative or a HP Certified Partner
			- In the case of SE Reporter 6.3 running on Windows platform is migrated to SE Reporter 9.4 running on Linux 64-bit, there is no support provided for migrating the custom reports.
			
			IPv6 Support:
			Storage Essentials 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 is in SE documentation.

VMWare ESX 4.0 Update 1 VMWare ESX 4.0 Update 2 VMWare ESX 4.0 Update 3 VMWare ESX 4.1 VMWare ESXi 5.0 VMWare ESXi 5.0 Update 1 VMWare ESXi 5.1 Guest OS versions: Windows 2008 SP2 (x64) Windows 2008 R2 (x64) Red Hat 5 Update 9 (64-bit), Red Hat 6 Update 3 (64-bit) SLES 11 (64-bit)	Refer to the above CPU and disk requirements, networking requirements & recommendation stated against the respective software platform	Refer to the above memory requirements & recommendation stated against the respective software platform	Virtualized CMS will average 12-20% performance degradation as against an identically configured Physical CMS. Virtualized CMS requires to reserve at least equal resources of memory & CPU that are required of a Physical CMS.
Proxy Server			
OS: Windows 2008 SP1, SP2 (x64) Standard or Enterprise Edition Locale: US-English, UK-English It is recommended that Windows Update be used to keep the Windows operating system current.	CPU Recommended: Single Processor 2.0Ghz or higher Disk: Minimum: 20 GB	Minimum: 512 MB Recommended: 1 GB	CD-ROM / DVD (required for installation) The English version of the application can be run on any Locale.