

HP Storage Essentials Enterprise Edition

Data sheet



HP Storage Essentials suite delivers integrated heterogeneous functionality for network (DAS, SAN, NAS) management, storage resource management, provisioning, backup reporting and application infrastructure monitoring. The suite consists of HP Storage Essentials Enterprise Edition and features a portfolio of value added plug-ins. The architecture and interfaces are built on industry standards, allowing for quick deployment and investment protection.

Storage Essentials integrates with HP System Insight Manager to provide advanced storage management; while integration with OpenView software via Smart Plug-ins (SPI) delivers integrated IT services management. Quick automation, topology visualization, improved capacity utilization, customized reporting and simplification of tasks delivered by Storage Essentials suite increases

administrator efficiency to manage and reduce the costs of storage growth. Application infrastructure monitoring and the ability to align storage tiers with user needs improve the overall quality of storage service.

What's new

- **Integration with OpenView software via Smart Plug-In (SPI)**—Delivers integrated IT Services management in areas like provisioning, operations, reporting and chargeback.
- **Backup management**—Single view of backup activities. HP Storage Essentials Backup Manager allows for visualizing, monitoring, managing and provisioning multi-vendor storage infrastructure.

A suite of essential enablers that deliver integrated heterogeneous functionality for storage network management, monitoring performance and allowing for overall investment protection.

HP Storage Essentials product suite is designed for the enterprise market and delivers heterogeneous SAN management, Storage Resource Management, provisioning and application management.

Features and benefits

- **Efficiency improvements reducing costs and complexity**—Out-of-box integration with HP System Insight Manager delivers unified server and storage management, improving efficiency via shared services like single sign on, security administration, asset management, reporting, discovery, licensing administration and event management.
- **Increase productivity**—Integration with OpenView software via Smart Plug-In (SPI) delivers integrated IT Services management in areas like provisioning, operations, reporting and chargeback.
- **Quick access to the right data**—Visualization automatically discovers and maps the storage network (DAS, SAN, NAS) and backup topology by pictorially displaying the objects, path and zones between the application and LUN on which the corresponding data resides.
- **Zoning and provisioning**—Enables end-to-end zoning and provisioning tasks at the host, switch and disk subsystem layers. Provides a common interface for a multi-vendor storage environment.
- **Utilization management**—Monitors availability and utilization at host, switch and array. Graphical trending and forecasting. Soft Quota management allows proactive monitoring of consumption levels, and file system management provides file-level scanning, analysis, reporting, and policy-based management capabilities.
- **Performance management**—Monitor performance from application objects down to storage subsystems. Monitors application, host, HBA, switch, disk subsystem. Enables quick detections of “bottleneck” causing performance problems.
- **Chargeback**—User-settable chargeback values, depreciation formulae, asset-based and storage-based chargeback models, business unit groupings, and reports enable administrators to associate costs with the quality and quantity of storage utilized by different business units.
- **NAS Management**—Analyze impact of configuration changes and file sharing activities.
- **Backup management**—HP Storage Essentials Backup Manager automatically discovers your distributed backup environment including clients, master servers, media servers, tape libraries, drives and media. It delivers an instant picture of your backup topology so you can visualize resource dependencies, and reports and alerts on backup successes and failures, unprotected assets, root causes of backup failures and performance against SLAs. Unlike backup reporting point tools, which only collect logical backup application information, the module leverages the physical resource management capabilities of HP Storage Essentials Suite to present the full picture of your tape-based and disk-to-disk backup configurations to a single, unified view. The module also inherits the full range of role-based security, capacity forecasting, performance analysis, reporting and policy-based automation capabilities of HP Storage Essentials.
- **Value**—Solution designed on the Storage Management Initiative Specification (SMI-S), the storage industry standard for heterogeneous storage network management based on the Common Information Model (CIM) and Web-Based Enterprise Management (WBEM). Enables support for multi-vendor storage infrastructures and ensures that investments in are protected.
- **Customization**—Extensive set of out-of-the-box reports satisfy requirements related to capacity management and planning, performance management, asset management and chargeback. Reports can be customized and can be scheduled for automatic e-mail distribution. Supports a wide variety of reporting formats, including HTML, XML, Microsoft® Excel and PDF.

HP Storage Essentials Enterprise Edition

Distribution media	CD-ROM	
Prerequisites	<p>Choice of:</p> <ul style="list-style-type: none"> • Microsoft Windows® 2000 (Server, Advanced, Professional) <ul style="list-style-type: none"> – Dual Intel® Xeon™ 2.0 GHz (minimum), 3.4 GHz or higher (recommended) – Memory: 4 GB (minimum); 4+ GB (recommended) – Disk space: 75 GB (minimum); 150 GB (recommended) • Microsoft Windows 2003 SP1 (32-bit only, Standard and Enterprise) <ul style="list-style-type: none"> – Dual Intel Xeon 2.0 GHz (minimum), or 3.4 GHz higher (recommended) – Memory: 4 GB (minimum); 4+ GB (recommended) – Disk space: 75 GB (minimum); 150 GB (recommended) 	
Supported high availability applications	<ul style="list-style-type: none"> • Microsoft Cluster Server—Windows 2000, Windows 2003 • VMware—Windows 2000, Windows 2003 	
Supported applications	<ul style="list-style-type: none"> • Oracle® 8.1.7 <ul style="list-style-type: none"> – Windows NT®, Windows 2000, Windows 2003 – Solaris 8, 9, 10 • Oracle 9i <ul style="list-style-type: none"> – Windows 2000, Windows 2003 – Solaris 8 – AIX 5.2, AIX 5.3 – HPUX 11.0, HPUX 11i • Oracle 10g versions: 10.1.0.2, 10.1.0.3 <ul style="list-style-type: none"> – Windows 2000, Windows 2003 – Solaris – AIX 5.2, AIX 5.3 – Linux® AS3.0 • Microsoft Exchange 2000 <ul style="list-style-type: none"> – Windows 2000 • Microsoft SQL 2000 <ul style="list-style-type: none"> – Windows 2000 and 2003 • Sybase ASE 12.5.0, 12.5.1, 12.5.2 <ul style="list-style-type: none"> – Windows 2000 – Solaris 8, 9 	
Supported operating systems	<ul style="list-style-type: none"> • HP-UX 11.0, 11.11, 11.23 • Microsoft Windows NT (SP6) • Microsoft Windows 2000 (SP2 and greater) • Microsoft Windows 2003 (32-bit) Standard and Enterprise • Linux RedHat AS 2.1, AS 3.0 • Linux SuSE 8.0, 9.0 	<ul style="list-style-type: none"> • Solaris 8, 9, 10 • AIX 5.1, 5.2, 5.3 • SGI IRIX 6.5.20, 6.5.21, 6.5.22, 6.5.24f • OpenVMS (Alpha 7.3-2; Integrity 8.2-1) • Tru64 5.1b
Supported browser	<ul style="list-style-type: none"> • IE 5.5 or higher (Windows) • Netscape 7.x (Windows) 	<ul style="list-style-type: none"> • Netscape 7.0 (Solaris) • Mozilla 1.4 and 1.7 or higher (Solaris)
Supported products	<p>Arrays</p> <ul style="list-style-type: none"> • HP StorageWorks XP disk arrays (XP12000, XP1024, XP512, XP256, XP128, XP48) • HP StorageWorks Enterprise Virtual Array (EVA3000, EVA4000, EVA5000, EVA6000, EVA8000); • HP StorageWorks Modular Smart Array (MSA1000, MSA1500) • HP EMA 12000, EMA 16000 • EMC DMX800, 1000, 2000 • EMC CLARiiON CX 100, 300, 400, 600, 700 • EMC CLARiiON FC-4700 • EMC Symmetrix 4.8, 5.0, 5.5 • HDS Lightning 9900, 9900V • HDS Thunder 9200, 9500V • IBM ESS 800, F20 • IBM DS4100 (FASiT 100), DS4300 (FASiT 600, FASiT600 Turbo), DS4400 (FASiT 700), DS4500 (FASiT 900), DS4800, ESS800, DS6xxx, DS8xxx • Sun StorEdge 6920, 9900, 9990, 3510, 3511 • NetApp Data on Tap 6.5 through 7.0 • Engenio E2600 series, E4600, E5600, E6998 • StorageTek FLX280, D280, D178 • XIOTech • 3Par Data Systems 	<p>Switches</p> <ul style="list-style-type: none"> • HP StorageWorks (B-series) Core Switch 2/64, 2/64 Power Pak; SAN Switch 2/32, 2/32 Power Pak, 2/16, 2/16 Power Pak, 2/16 EL, 2/8 EL, 2/8 Power Pak, SAN Switch 4/8, 4/16, SAN Director 4/256 • HP StorageWorks (M-series) Director 2/140, 2/64; Edge Switch 2/32, 2/24, 2/12 • HP StorageWorks (C-series) MDS 9509 Director, MDS 9506 Director, MDS 9216, 9216i, 9216A Fabric Switch, MDS 9120 Fabric Switch, 9140 Fabric Switch • Brocade and OEM equivalent: SilkWorm 2xx0, 38xx, 32xx, 3900, 4100, 200E, 48000 • Brocade 4Gb SAN Switch for HP p-Class BladeSystem • Brocade and OEM equivalent: Director 12000, 24000, 6400 • McData and OEM equivalents ES-3016, ES-3032, ES-3200 series, ES-4500 series

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Part number/SKU	Product name	Description
T4283A	HP Storage Essentials Software Kit	Media with online documentation and release notes.
T4284AA	HP Storage Essentials, Enterprise Edition, 50MAP-T1 SRM LTU	Topology, event management, performance, capacity, policies, thresholds, reports and CLI
T4284AB	HP Storage Essentials, Enterprise Edition, 50MAP-T2 SRM LTU	Topology, event management, performance, capacity, policies, thresholds, reports and CLI
T4284AC	HP Storage Essentials, Enterprise Edition, 50MAP-T3 SRM LTU	Topology, event management, performance, capacity, policies, thresholds, reports and CLI
T4284AD	HP Storage Essentials, Enterprise Edition, 50MAP-T4 SRM LTU	Topology, event management, performance, capacity, policies, thresholds, reports and CLI
T4284AE	HP Storage Essentials, Enterprise Edition, 50MAP-T5 SRM LTU	Topology, event management, performance, capacity, policies, thresholds, reports and CLI
T4285AA	HP Storage Essentials Provision Manager, 50MAP-T1 LTU	Application to spindle provisioning automation wizard
T4285AB	HP Storage Essentials Provision Manager, 50MAP-T2 LTU	Application to spindle provisioning automation wizard
T4285AC	HP Storage Essentials Provision Manager, 50MAP-T3 LTU	Application to spindle provisioning automation wizard
T4285AD	HP Storage Essentials Provision Manager, 50MAP-T4 LTU	Application to spindle provisioning automation wizard
T4285AE	HP Storage Essentials Provision Manager, 50MAP-T5 LTU	Application to spindle provisioning automation wizard
T4286AA	HP Storage Essentials Chargeback Manager, 50MAP-T1 LTU	Chargeback and billing usage reporting
T4286AB	HP Storage Essentials Chargeback Manager, 50MAP-T2 LTU	Chargeback and billing usage reporting
T4286AC	HP Storage Essentials Chargeback Manager, 50MAP-T3 LTU	Chargeback and billing usage reporting
T4286AD	HP Storage Essentials Chargeback Manager, 50MAP-T4 LTU	Chargeback and billing usage reporting
T4286AE	HP Storage Essentials Chargeback Manager, 50MAP-T5 LTU	Chargeback and billing usage reporting
T4287AA	HP Storage Essentials Global Reporter, 50MAP-T1 LTU	Centralizes geographically dispersed reporting
T4287AB	HP Storage Essentials Global Reporter, 50MAP-T2 LTU	Centralizes geographically dispersed reporting
T4287AC	HP Storage Essentials Global Reporter, 50MAP-T3 LTU	Centralizes geographically dispersed reporting
T4287AD	HP Storage Essentials Global Reporter, 50MAP-T4 LTU	Centralizes geographically dispersed reporting
T4287AE	HP Storage Essentials Global Reporter, 50MAP-T5 LTU	Centralizes geographically dispersed reporting
T4288AA	HP Storage Essentials Exchange Viewer, 1MAL-T1 LTU	Exchange path rendering from database, storage groups through disk subsystem
T4288AB	HP Storage Essentials Exchange Viewer, 1MAL-T2 LTU	Exchange path rendering from database, storage groups through disk subsystem
T4288AC	HP Storage Essentials Exchange Viewer, 1MAL-T3 LTU	Exchange path rendering from database, storage groups through disk subsystem
T4288AD	HP Storage Essentials Exchange Viewer, 1MAL-T4 LTU	Exchange path rendering from database, storage groups through disk subsystem
T4288AE	HP Storage Essentials Exchange Viewer, 1MAL-T5 LTU	Exchange path rendering from database, storage groups through disk subsystem
T4289AA	HP Storage Essentials Oracle Viewer, 1MAL-T1 LTU	Oracle table spaces and database, host through spindle rendering
T4289AB	HP Storage Essentials Oracle Viewer, 1MAL-T2 LTU	Oracle table spaces & database, host through spindle rendering
T4289AC	HP Storage Essentials Oracle Viewer, 1MAL-T3 LTU	Oracle table spaces and database, host through spindle rendering
T4289AD	HP Storage Essentials Oracle Viewer, 1MAL-T4 LTU	Oracle table spaces and database, host through spindle rendering
T4289AE	HP Storage Essentials Oracle Viewer, 1MAL-T5 LTU	Oracle table spaces and database, host through spindle rendering

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Part number/SKU	Product name	Description
T4290AA	HP Storage Essentials Sybase Viewer, 1MAL-T1 LTU	Sybase path rendering from database through disk subsystem
T4290AB	HP Storage Essentials Sybase Viewer, 1MAL-T2 LTU	Sybase path rendering from database through disk subsystem
T4290AC	HP Storage Essentials Sybase Viewer, 1MAL-T3 LTU	Sybase path rendering from database through disk subsystem
T4290AD	HP Storage Essentials Sybase Viewer, 1MAL-T4 LTU	Sybase path rendering from database through disk subsystem
T4290AE	HP Storage Essentials Sybase Viewer, 1MAL-T5 LTU	Sybase path rendering from database through disk subsystem
T4291AA	HP Storage Essentials SQL Server Viewer, 1MAL-T1 LTU	MS SQL Server path rendering from database through disk subsystem
T4291AB	HP Storage Essentials SQL Server Viewer, 1MAL-T2 LTU	MS SQL Server path rendering from database through disk subsystem
T4291AC	HP Storage Essentials SQL Server Viewer, 1MAL-T3 LTU	MS SQL Server path rendering from database through disk subsystem
T4291AD	HP Storage Essentials SQL Server Viewer, 1MAL-T4 LTU	MS SQL Server path rendering from database through disk subsystem
T4291AE	HP Storage Essentials SQL Server Viewer, 1MAL-T5 LTU	MS SQL Server path rendering from database through disk subsystem
T4292AA	HP Storage Essentials File System Viewer, 1TB-T1 LTU	Renders file system infrastructure. Captures file level demographics
T4292AB	HP Storage Essentials File System Viewer, 1TB-T2 LTU	Renders file system infrastructure. Captures file level demographics
T4292AC	HP Storage Essentials File System Viewer, 1TB-T3 LTU	Renders file system infrastructure. Captures file level demographics
T4292AD	HP Storage Essentials File System Viewer, 1TB-T4 LTU	Renders file system infrastructure. Captures file level demographics
T4292AE	HP Storage Essentials File System Viewer, 1TB-T5 LTU	Renders file system infrastructure. Captures file level demographics
T4293AA	HP Storage Essentials Report Designer, 1user-T1 LTU	Customized reporting package
T4293AB	HP Storage Essentials Report Designer, 1user-T2 LTU	Customized reporting package
T4293AC	HP Storage Essentials Report Designer, 1user-T3 LTU	Customized reporting package
T4293AD	HP Storage Essentials Report Designer, 1user-T4 LTU	Customized reporting package
T4293AE	HP Storage Essentials Report Designer, 1user-T5 LTU	Customized reporting package
T4294AA	HP Storage Essentials NAS Manager, 1TB-T1 LTU	NAS management
T4294AB	HP Storage Essentials NAS Manager, 1TB-T2 LTU	NAS management
T4294AC	HP Storage Essentials NAS Manager, 1TB-T3 LTU	NAS management
T4294AD	HP Storage Essentials NAS Manager, 1TB-T4 LTU	NAS management
T4294AE	HP Storage Essentials NAS Manager, 1TB-T5 LTU	NAS management
T4295AA	HP Storage Essentials Backup Manager, 1TB-T1 LTU	Backup reporting
T4295AB	HP Storage Essentials Backup Manager, 1TB-T2 LTU	Backup reporting
T4295AC	HP Storage Essentials Backup Manager, 1TB-T3 LTU	Backup reporting
T4295AD	HP Storage Essentials Backup Manager, 1TB-T4 LTU	Backup reporting
T4295AE	HP Storage Essentials Backup Manager, 1TB-T5 LTU	Backup reporting

What's included

CDs for Storage Essentials and Online documentation. CDs for Oracle database. Envelope(s) with LTU.

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HP Storage Essentials reduces costs by improving administrator efficiency, capacity utilization and investment protection. It increases business agility by automation, provisioning, application management and chargeback.

Warranty service and support	HP warrants only that the Software media will be free of physical defects for a period of ninety (90) days from delivery. Includes one year of HP Software Support standard business hours (software technical support and software product and documentation updates). For more information about HP's Global Limited Warranty and Technical Support, visit ftp://ftp.compaq.com/pub/products/storageworks/warranty/EN_321708-008.pdf
Warranty and support options	<ul style="list-style-type: none">• HP Software Support• HP Software Support 24x7• HP Support Plus• HP Support Plus 24• HP Proactive 24 Service• HP Critical Service
Service options	HP Care Pack Services—Deployment and Per Event Services HP Installation and Startup service HP Implementation service HP Integration service For more information about Deployment and Per Event Services for HP Storage, visit http://www.hp.com/hps/storage
Financial Services	HP Financial Services provides innovative financing and financial asset management programs to help you cost-effectively acquire, manage and ultimately retire your HP solutions. For more information on these services, please contact your HP sales representative or find us on the web at: www.hp.com/go/hpfinancialservices
HP Customer Support	HP Customer Support provides a broad spectrum of services to commercial and enterprise customers, including performance and availability services such as proactive mission-critical services and support management services for deployment of the entire IT infrastructure, including HP and multivendor environments. For more information on these services, contact your HP sales representative or visit www.hp.com/hps/support
For more information	For more information about the HP Storage Essentials Enterprise Edition, go to: www.hp.com/go/storageessentials

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