

Overview

HP Replication Solutions Manager (RSM) presents a Graphical User Interface to create, manage and configure local and remote replication on the full HP Enterprise Virtual Array product family. RSM can be used to manage HP Continuous Access EVA, HP Business Copy and HP EVA Dynamic Capacity Management to offer an integrated management approach. RSM manages all local and remote replication configurations, as well as, replication features across the full EVA array product line. RSM's unparalleled easy to use interface along with the combination of HP Continuous Access' unique remote replication technologies, the enterprises can ensure their information is protected in the event of a disaster. HP Replication Solutions Manager offers Simplicity without Compromise! Not only is managing replication easier, it also results in the ability to make remote replication 1) Less expensive through faster, automated methods that virtually eliminate complexity while resulting in fewer user errors. 2) Easy to deploy for accelerated payback and 3) Less labor intensive allowing a much greater use of valuable IT people resources.

Models

HP Replication Solution	HP Command View EVA v9.3, RSM 5.2 Media kit	T5494F
Manager	HP Command View EVA v9.3, RSM 5.2 E-Media kit	T5494FAE

What's New

- RSM performance improvements
 - Speeds up parallel execution of RSM jobs
- RSM Server and RSM Host Agent cluster support
- VMware VMFS volume support with BC jobs
- RSM iSCSI support
- VMware VMFS volume support with DCM



Product Highlights

Features and Benefits

- HP Replication Solution Manager is a centralized tool that simplifies and automates local and remote replication features of HP Enterprise Virtual Arrays.
- The Replication Solutions Manager helps to perform tasks by using Graphical User Interface (GUI), Jobs and a Command Line User Interface (CLUI)
- Replication Solutions Manager GUI helps users replicate, protect and share data more easily. Other time-saving features include an interactive topology viewer, quick-fill templates for common tasks, integrated wizards and cross array management control of the full EVA product line.
- Provides a unified management interface for HP Business Copy EVA and HP Continuous Access EVA.
- HP Business Copy EVA (local replication) tasks are fully integrated in the Replication Solutions Manager GUI to help users replicate, protect and share data more easily.
- This interface offers users a simple control point that utilizes job engines, wizards and host integration and an Interactive Topology Manager that reduces workload and errors
- Single management interface that supports the full EVA product family
- Three-site cascaded replication can be quickly configured and managed to meet business and regulatory requirements.
- RSM helps HP Continuous Access EVA (remote replication) automate many of the management functions for data replication between arrays at the source and destination sites
- With RSM, configuration and management is now handled through wizards and a job engine that accelerates common Data Replication tasks. Also with the addition of host agents, users can easily identify and manage storage volumes and host volumes depending on their needs

HP Replication Solutions Manager (RSM) deployment

HP Continuous Access EVA and HP Business Copy EVA come complete with an advanced management user interface called Replication Solutions Manager. RSM can optionally be deployed on a general Windows server. Please see the "Hardware and software Prerequisite sections" for more information.



Software/Hardware Highlights

Storage EVA Benefits

The following are benefits of the EVA solution:

- Powerfully simple set-up and management with HP Replication Solutions Manager saves time; allows resources to be more efficiently deployed and reduces user errors.
- Outstanding self-tuning performance ensures consistency in meeting application Service Level Agreements. This allows users and clients to accomplish more in less time, to scale capacity on demand, and to minimize data administration overhead.
- State-of-the-art virtual controller software, with virtualization enabled technology, helps improve performance, increases disk utilization efficiency, and allows for easy dynamic storage expansion, all of which helps lower costs.
- HP Business Copy EVA software provides virtually capacity-free snapshot (Vsnap) function can save significant disk space and improve disk utilization efficiency.
- HP Business Copy EVA includes the new MirrorClone feature that provides an alternative to a snapshot by allowing the user to make a full, byte-for-byte, point-in-time copy of a source LUN that can be mounted to a secondary server. MirrorClone will track all changed blocks and can re-sync with the source LUN to create a new point-in-time copy, or can be used to instantly restore the source. Also, included is the virtually instantaneous Snapclone copy capability allows immediate use of the clone copy at the redundancy level of the original volume and can accomplish significant savings of time.
- HP Continuous Access EVA ensures protection of valuable data, through remote replication, following a planned or unplanned outage.

List of Hardware Supported

Storage Enterprise Virtual Array EVA Models are modular, scalable, no-single-point-of-failure solutions with disaster tolerance and business continuance support for storage consolidation on heterogeneous SANs. Replication Solutions Manager can manage HP Continuous Access EVA and HP Business Copy EVA across the full EVA product line



Ordering Information

Model	Model Description	Part Number
	HP Command View EVA v9.3 and Replication Solutions Manager v5.2 E-Media Kit	T5494FAE
	HP Command View EVA v9.3 and Replication Solutions Manager v5.2 Media Kit	T5494F

Software Prerequisites

Operating System and Browser Support

Please refer to the HP Compatibility Guide for the latest information on supported operating system and browsers. The guide contains information on the following HP Storage Software:

- HP Business Copy EVA
- HP Continuous Access EVA
- HP Command View EVA
- HP Replication Solutions Manager EVA

The document can be found at any of the above product pages on HP.com and selecting technical documentation <http://h20000.www2.hp.com/bizsupport/TechSupport/DocumentIndex.jsp?contentType=SupportManual&lang=en&cc=us&docIndexId=64179&taskId=135&prodTypeId=18964&prodSeriesId=315919>, or by ordering part number T3668-96019.

Hardware Prerequisites

- Servers with the following minimum configuration may be used in place of Management Appliances
 - General purpose Windows server (see software prerequisites section for OS version support)
 - Processor: 1.26 GHz (minimum)
 - Memory: 2 GB (minimum)
 - Free Disk Space: 120 MB for installation plus 10 MB for each managed array and 350MB for Replication Solutions Manager installation
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Distribution Media

HP Replication Solutions Manager is available in a kit titled HP Replication Solutions Manager (T3680G), or HP CV EVA 8.0 Replication Solutions Manager 4.0 (T5494A) with CD-ROM distribution media. The kit includes the following Business Copy:

Documentation

- Thank-you letter
 - HP Replication Solutions Manager kit contents
 - HP Software License Terms, the End User License Agreement to use HP Replication Solutions Manager
 - HP Software License Terms, the End User License Agreement to use HP JREserver
 - NSS LP Customer Survey Notice, an invitation to give feedback on HP documentation
 - HP Replication Solutions Manager CD
 - HP Replication Solutions Manager host agents CD
 - HP Replication Solutions Manager documentation CD
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Ordering Information

Additional information online

<http://www.hp.com>

<http://www.hp.com/products1/storage/index.html>

<http://www.hp.com/hps/>

<http://welcome.hp.com/country/us/en/prodserv.html>

<http://welcome.hp.com/country/us/en/solutions.html>

HP home page

HP Storage products home page

HP Services home page

HP Products & Services home page

HP Solutions



Service and Support, HP Care Pack, and Warranty Information

HP Care Pack Services HP Care Pack Services offer upgraded service levels to extend and expand your standard product warranty with easy to buy, easy to use support packages that help you make the most of your hardware and software investments. They let you choose the support levels that meet your business requirements, from basic to mission-critical. They help you contain total cost of ownership.

HP Care Pack warranty extensions can be purchased along with HP products to cost-effectively upgrade or extend your warranty. For many products, post-warranty HP Care Pack Services are available when your original warranty has expired.

Why purchase an HP Care Pack service?

Your standard warranty protects against product defects. HP Care Pack Services help you guard against unplanned downtime, which can reduce your productivity and profitability. These convenient service packages:

- Protect your investment in HP products
- Provide consistent, predictable levels of support across your entire department or business
- Ease budget planning with fixed-cost support that includes parts and labor
- Give you direct access to proven technical and problem-solving expertise
- Offer a choice of response-time and repair-time commitments
- Deliver prompt, measurable results
- Are available whenever and wherever you do business

HP Care Pack availability may vary by country and product.

Supporting your Adaptive Enterprise journey

HP Services helps you make the Adaptive Enterprise real for your organization. The breadth, depth, and quality of HP hardware and software support services can help you improve the performance of your IT support processes and resolve the complex software and hardware problems that tax user productivity. HP Care Pack services help you increase IT environment stability, efficiency, and agility from the desktop to the data center, and improve the productivity of your employees.

Warranty and Services Included with the Product Includes one year of HP Software Support 24 x 7 (software technical support and software product and documentation updates)

HP warrants only that the Software media will be free of physical defects for a period of ninety (90) days from delivery.

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



Service and Support, HP Care Pack, and Warranty Information

Recommended Services HP Data Replication Solution Service

- Accelerate your time-to-ROI with HP implementation and integration expertise
- Enjoy rapid results when you deploy industry-leading HP Data Replication technologies
- Provides optimal solution to meet your IT and business needs via flexible, scalable

Three years of HP Software Support 24 x 7

- Improve the productivity of system managers and operators
- Improve system performance and reduce downtime due to software defects
- Expedite problem resolution through expert-level technical resources
- Enjoy consistent service coverage across geographically dispersed sites
- Update HP and selected third-party software at a predictable cost
- Take advantage of subscription savings on software updates
- Keep your license compliancy up-to-date

Available HP Care Pack Services Extend your product warranty with a wide choice of cost-saving support packages.

HP Care Pack Services are sold by HP and HP authorized enterprise and commercial resellers. Services for customers purchasing via direct and enterprise resellers are quoted using HP order configuration tools. Additional information about HP Care Pack Service features and benefits is available at: <http://www.hp.com/hps/carepack/services/>.

Key for HP Care Pack Service availability in the table below:

E = Service available for customers purchasing direct and via enterprise resellers

B = Service available for customers purchasing via commercial resellers

N/A = Service not applicable

HP Care Pack Services Deployment and Per Event Services	Service Available
HP Installation	N/A
HP Data Replication Solution Service	E

For more information about Deployment and Per Event Services for HP Storage, visit: <http://www.hp.com/hps/storage/>.

HP Care Pack Services Availability Services	1 yr	3 yr	4 yr	5 yr
HP Software Support	N/A	N/A	N/A	N/A
HP Software Support 24x7	Included	E	E	E
HP Support Plus	N/A	N/A	N/A	N/A
HP Support Plus 24	E	E	E	E
HP Proactive 24 Service	E	E	E	E
HP Critical Service	E	E	E	E

To find HP Care Pack Services available via HP authorized commercial resellers, visit: http://h30125.www3.hp.com/csn/salesmktg/elfpack/elf_nonlkup_crylang.asp?code=ELNL.



Service and Support, HP Care Pack, and Warranty Information

Deployment and Per Event Service Descriptions HP Data Replication Solution Service
Ensures a timely, cost-effective deployment of your data replication solution that cuts risk and shortens your time-to-results.

eSupport

HP eSupport is a portfolio of technology-based services that assist you with managing your business environment - from the desktop to the data center.

Support Portal

The HP support portal provides one-stop access to the information, tools and services you need to manage the daily operations of your IT environment.

Features include:

- Access to self-solve tools (including search technical knowledge base)
- Efficient logging and tracking of support cases
- Collaboration with other business and IT professionals
- Download of patches and drivers
- Access to diagnostic tools
- Proactive notification of relevant information

Access to certain features of the support portal requires an HP service agreement. To access the support portal, visit: <http://www.hp.com/support>

Instant Support Enterprise Edition (ISEE)

HP Instant Support Enterprise Edition (ISEE) provides a single remote monitoring and support solution for your IT data center. ISEE uses continuous hardware event monitoring and automated notification to identify and prevent potential critical problems.

ISEE is a feature of HP Hardware Support Onsite Service with Next-Day response or better, Proactive Essentials, Proactive 24, Critical Service and warranty support for the selected products.

For more information or to download ISEE, visit: <http://www.hp.com/go/instant-support>

HP Education Services

For more information about HP Education Services for Storage and SAN, visit:

<http://education.hp.com/curr-storsan.html>



Service and Support, HP Care Pack, and Warranty Information

Disaster Tolerant Management Service

This service leverages HP's industry-leading clustering and HP Continuous Access technologies plus HP's worldwide recovery centers to provide customers with a cost-effective, proven approach to disaster tolerance. A complete life cycle suite of services addresses customer facilities, infrastructure design and implementation, monitoring and management of the infrastructure, a comprehensive disaster recovery plan, staff training, and periodic rehearsals. The service provides a business solution approach to disaster tolerance with proven quality of service and a single point of accountability. It delivers predictable recovery times and right-first-time implementation with worldwide, multi-site solution deployment.

DT Managed Services include:

- Pre-installation briefing, configuration verification, and project appraisal
- Dual redundant management station installation and customization
- Disaster tolerance lab training for system managers and operators
- Technical recovery plan review
- Disaster recovery test suite design and execution

Product Support

Product Support gives the customer access to HP's experienced technical support resources as well as access to HP's Information Services database for support on a variety of multi-vendor/multi-platform software products. Product support includes escalations and problem coordination with the appropriate engineering group. HP Services offer a variety of options to allow you to tailor your product service to meet the needs of your organization. Basic services on products can be uplifted from day one to ensure you receive the service you need when you need it.

Software product services

1. Standard software support (HP Care Pack or annual support contract) 24 x 7 is available 24 hours per day, Monday through Sunday, including holidays, and access rights to new versions, software product and documentation updates.
2. Installation and Startup Service (software installation, configuration, startup testing and knowledge transfer)
3. Tailored support contracts based on personalized statement of work: contact your local support center via <http://www.hp.com/support/>.

HP Care Pack services ordered via:

Pre-merger HP sales systems are configured using Sales Builder for Windows and must be ordered with the product.

The following services are offered as HP Care Pack Services at the time of product order

For additional software product services information for North American HP Care Pack services, as well as orderable part numbers, please refer to the URLs listed below:

All storage services: <http://www.hp.com/hps/storage/>

Care Pack Priority Services: http://www.hp.com/hps/carepack/storage/cp_networked.html

Software Support Care Pack Services: http://www.hp.com/hps/carepack/software/cp_storage.html

Installation and Startup Service: http://www.hp.com/hps/storage/ns_replication.html



Service and Support, HP Care Pack, and Warranty Information

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