hp

invent

disaster tolerant

what's new

- remote data replication for the HP StorageWorks EVA platform

hp StorageWorks Continuous Access EVA

HP StorageWorks Continuous Access EVA (CA EVA) is a controller-based application that performs real-time replication between HP StorageWorks Enterprise Virtual Arrays (EVA). The application is enhanced to perform remote replication, and deliver high data availability and performance to users on Fibre Channel based campus, metro or continental Storage Area Networks (SANs). CA EVA features the highest level of storage data protection capabilities to meet business continuity implementation goals. CA EVA provides a competitive advantage by combining disaster-tolerant solutions and disaster-tolerant managed services into planning and daily routines, ensuring data security, availability and integrity.

Continuous Access EVA delivers local copy with Snapshot Virtual Controller Software (VCS) and virtualization interoperability protection against disaster like scenarios. These features save time and money while maintaining the flow of information across the enterprise. CA EVA is an irreplaceable component for protecting any business, especially yours.

key features and benefits

controllable

- **manageable:** provides a layered application custom user interface that utilizes the HP OpenView Storage Management Appliance and features: automated one button failover features of virtual disks (Vdisks), DR group, storage cell or site; controller password protection; copyset size of 1 GB to 2 TB

in 1 GB increments; dynamic Vdisk capacity expansion if supported by OS; expandable storage cell capacity; GUI interface for LiteTouch management and monitoring, multi-vendor platform support

resilient

- **reliable:** performs remote sequential I/O replication of writes real-time, enabling disaster recovery of data at the destination location and features: asynchronous disk swap (hot-swap); bi-directional replication; distributed sparing of disk capacity; dual redundant controller operation for increased fault tolerance; failover scripting; I/O continuation during normalization and merging, infrastructure and high-availability switch support; mini-merge of write history log; multiple bus failover support; non-disruptive software upgrade capability; normal and failsafe modes

extensible

- **scalable:** provides a centralized disaster tolerance configuration that is modular, scalable, and manageable and features: SAN management; up to 240 disk drives per controller pair; up to 240 FC-AL drives (with expansion cabinet); up to 512 Vdisks per EVA ranging in size from 1 GB to 2 TB per Vdisk; up to 8 snapshots/snapclones per DR group at the local or remote site; up to 8192 LUN presentations to a host (maximum of 256 LUNs per FCA); up to 8 copysets per DR group; up to 64 DR groups/ remote copysets per storage cell; up to 36 ms (one way) latency with WAN gateways (FCIP)

technical specifications

basic functionality	controller-based remote mirroring with Snapshot VCS and virtualization interoperability
interconnect between arrays	FC, FC-IP, WDM
scalability of remote mirroring implementation	64 copysets
communication protocol	Sync
automated disaster recovery support	yes, assisted automated
multi-array generation interoperability	yes, eva5000, eva3000 scheduled
media types	CD kit
management access	remote access through the HP OpenView Storage Management Appliance
management	Continuous Access user interface application
weight	3 lbs
OS, platform, software compatibility	support is available for multiple operating systems heterogeneous on the EVA, including HP OpenVMS, HP Tru64, HP-UX, IBM AIX, Linux, Novell NetWare, Microsoft® Windows® NT, Windows 2000 and Windows 2003
OS clustering support	local clustering is supported for all operating systems
component solutions	• HP OpenView Storage Management Appliance • HP StorageWorks Business Copy for EVA • HP StorageWorks Command View Command View EVA • HP StorageWorks Continuous Access (user interface) • HP StorageWorks eva5000 VCS v3.0 • HP StorageWorks Secure Path

ordering information

product number	product name	product number	product name
331268-B21	CA EVA-ALL LIC/CD 1.0	331277-B21	CA eva5000 14TB LIC1.0
331270-B21	CA eva5000 2TB LIC1.0	331278-B21	CA eva5000 16TB LIC1.0
331272-B21	CA eva5000 4TB LIC1.0	331279-B21	CA eva5000 18TB LIC1.0
331273-B21	CA eva5000 6TB LIC1.0	331280-B21	CA eva5000 24TB LIC1.0
331274-B21	CA eva5000 8TB LIC1.0	331281-B21	CA eva5000 36TB LIC1.0
331275-B21	CA eva5000 10TB LIC1.0	331269-B21	CA eva5000 2TB UPG1.0
331276-B21	CA eva5000 12TB LIC1.0	331271-B21	CA eva5000 4TB UPG1.0

warranty and support

warranty features — hp 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. Upgrades to the 90 days software conformance to warranty are available as HP Care Pack and contractual services. These services are available to upgrade the warranty to full year and multi-year coverage with call windows of 9 hours by 5 days or 24 x 7 for software advisory and remedial software telephone support, new version license rights, and media and documentation distribution service.
	• Disaster Tolerant Management Services: HP Services global solution center delivers a "hardened" disaster tolerant solution by addressing the management of the whole disaster tolerance infrastructure. This includes a customized two management station environment with special emphasis on the recovery management of replicated storage environment. The customer's own operational and system management staff are trained to manage the disaster tolerant solution. Following detailed documentation of a disaster recovery, rehearsal plans and execution of scenarios ensures the fastest possible recovery times.
	• Data Replication Solution Service: The data replication solution service offers a combination of an integrated analysis, design and implementation that help you deploy data-movement and data-replication strategies for disaster tolerance and data mining. The service complements a variety of additional HP services in areas such as business continuity, high availability and SAN planning, design, and implementation. The data replication solution delivers the planning, design, implementation and support for a variety of heterogeneous, integrated, highly available solutions; addressing the three main principles data protection, data sharing and data management.

what's included

HP StorageWorks Continuous Access for EVA comes with two array access licenses, installation and user guides, design guides, and user interface software for the OpenView Storage Management Appliance

for more information

For more information on HP Network Storage Solutions and Storage Software visit our web site at:
http://h18006.www1.hp.com/storage/software.html

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