

Compaq SANworks™

Virtual Replicator

Dynamic Storage Management without downtime

It isn't easy to manage and protect the growing amount of storage throughout your organization — especially in the face of rising demand for uninterrupted data and application availability.

But *Compaq SANworks Virtual Replicator* lets you do it all — delivering simpler and more responsive storage management in Windows NT and Windows 2000 storage environments without sacrificing uptime.

Virtual Replicator is part of the *SANworks* family of storage management software. With *SANworks*, Compaq is leading the way in establishing Open SANs that enhance business flexibility, service levels and efficiency.

SANworks

Storage when you need it

With Virtual Replicator's virtualization capabilities, system administrators can easily create pools of storage from multiple storage arrays attached to systems and clusters — whether local or distributed. Each pool can then be divided into virtual disks — up to 1 TB in size. Virtualization allows for flexible, fast response to changing storage capacity needs and enables system administrators to easily tailor disk space to specific requirements — for more efficient storage allocation.

Increase capacity on the fly

Online Volume Growth allows the administrator to easily expand an existing volume on a Windows 2000 virtual disk or basic disk without system downtime. The system remains online throughout, and the data on the volume remains intact.

Data copies are a snap

Snapshots enable the system administrator to instantly create a virtual replica of production data without creating a physical copy. Snapshots provide the same read and write capabilities as ordinary physical disks, but they minimize disruption to users. Snapshots can be used for backup and restore, to test new applications or to populate data marts and Web servers — whenever a quick copy of production data is needed but downtime is unacceptable.

VIRTUAL REPLICATOR
WORKS EFFECTIVELY WITH
NONCLUSTERED AND
CLUSTERED SERVERS —
SOMETHING FEW OTHER
STORAGE MANAGEMENT
TOOLS DO

COMPAQ

Benefits at a glance

PROVIDES MAXIMUM FLEXIBILITY when configuring Windows NT and Windows 2000 storage through virtualization

ALLOWS EASY EXPANSION OF EXISTING STORAGE CAPACITY on Windows 2000 for quick response to changing storage requirements

MINIMIZES DOWNTIME FOR BACKUP since backups are performed against the snapshot, leaving the production volume available to support normal business operations

SPEEDS RESTORE TIME by keeping snapshots online

VOLUME COPIES ARE CREATED IN SECONDS and only use storage capacity when production data changes

ONLINE VOLUME GROWTH provides easy, non-disruptive expansion for Windows 2000 with zero downtime

MANAGEMENT AND SCHEDULING ARE SIMPLIFIED thanks to easy-to-use interfaces and interactive wizards

Management is simple

Easy-to-use interfaces via the Microsoft Management Console or a command line make management simple. Interactive wizards are available to guide the administrator through all management tasks and create automatic schedules of operations.

Cluster aware

Compaq SANworks Virtual Replicator runs on top of Microsoft Cluster Server (MSCS) when cluster support is required, to provide higher availability for data and applications. Failover and failback of pools, virtual disks, and snapshots are performed as a unit in an MSCS cluster. Cluster resources are automatically created to simplify cluster management.

Reduce your costs

With Compaq Virtual Replicator, businesses can reduce the complexity and costs of storage management by automating time-consuming functions, protecting against data loss and reducing backup and restore windows from hours to minutes. Virtual Replicator complements the standard capabilities of Windows NT and utilizes industry-standard server, storage and networking components, protecting your current and future investment.

Specifications	SANworks Virtual Replicator
Hardware Prerequisites	<ul style="list-style-type: none">→ Pentium-class Intel Processor→ 128 MB Memory→ 40 MB available disk space for full installation
Software Prerequisites	Operating Environment: <ul style="list-style-type: none">→ Microsoft Windows 2000, Professional, Server and Advanced Server.→ Microsoft Windows NT, Version 4 with service pack 4, 5 or 6. Clustering Environment: <ul style="list-style-type: none">→ Any valid Microsoft Cluster Server configuration.
Required Web Browser	→ Microsoft Internet Explorer 5.0 or later
Distribution Media	→ CD-ROM
Documentation	<ul style="list-style-type: none">→ System Administrator's Guide→ Reference Cards→ Online and context-sensitive help
Software Product Services	→ A variety of Service options are available from Compaq. For more information, contact your local Compaq office.
Software Warranty	→ Compaq provides this software with a 90-day conformance warranty in accordance with the Compaq warranty terms applicable to the license purchase.

Models

Compaq SANworks Virtual Replicator V2.0 1 License & Media

Compaq SANworks Virtual Replicator V2.0 5 License & Media

Compaq SANworks Virtual Replicator V2.0 10 License & Media

Compaq SANworks Virtual Replicator V2.0 25 License & Media

Compaq SANworks Virtual Replicator V2.0 50 License & Media

Compaq SANworks Virtual Replicator V2.0 100 License & Media

(Prior version upgrades are available for purchase.)

Software Licensing

Compaq Computer Corporation licenses the right to use SANworks Virtual Replicator functionality per system. The only exception is the management GUI, for which a single license grants the right to install the software on multiple systems. Increment Licenses, or multiple licenses sold together, are available in denominations of 5, 10, 25, 50 and 100.

For more information on SANworks Virtual Replicator or other storage management products from SANworks, visit www.compaq.com/sanworks

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