

## Enterprise Storage Group Business Continuity Solutions

# Storage and Services

### Solutions to Assess Business Continuity Requirements

- Assessment Services**
- > **Web Assessment** – Free assessment service to determine how your business continuity and disaster preparedness match existing continuity capabilities and needs.
  - > **Business Continuity Assessment** – Consultants evaluate your environment to determine its disaster risks and availability requirements.
  - > **Disaster Tolerant SAN Assessment Service** – An assessment that addresses all aspects of a Disaster Tolerant storage solution, and the requirements for implementing a split site operation as well as the performance requirements of the business.
  - > **Facility Consulting and Site Service** – Compaq helps you build availability into your site by planning, designing and building a facility that gives optimal IT performance and low operating costs.

### Solutions for Business Protection and Data Security

- Business Continuity Foundation Solutions**
- > **SANworks™ Data Replication Manager by Compaq (DRM)** – The foundation of business continuity. It provides remote disk mirroring by connecting your primary RAID systems to remote storage RAID systems. DRM also supports stretch clusters and failover.
  - > **Disaster Tolerant SAN Solution** – Consisting of consulting services, storage, and monitoring between two sites, this solution assures complete data recovery in minutes. It provides the highest levels of availability for your mission critical applications requiring zero downtime.
  - > **Metropolitan Area Network Business Continuity Solutions** – Combines Compaq remote mirroring technology with a managed optical network and services from Giant Loop. Ideal for businesses requiring disaster recovery, backup-restore, or remote mirroring solutions in a MAN or extended distance network.
  - > **Global Replication Network Solutions** – Allows businesses to use SANworks Data Replication Manager with existing IP network resources. This extends the SAN beyond the data center and campus, achieving up to wire-speed performance over MAN/WAN.
  - > **Bi-directional Data Replication Manager Solution** – Delivers the tools and best practices to allow two separate sites to use each other to maintain synchronized remote copies of online data.
  - > **Disaster Tolerant Cluster Services for Compaq OpenVMS™** – Manages two data centers up to 500 miles apart with fail-over recovery in 4-6 minutes.

- Microsoft High Availability Solutions**
- > **Virtualized Storage Management for Exchange 2000** – Enhances data availability via rapid restorations and non-disruptive online volume growth. Tailored to Exchange 2000 environments.
  - > **Virtualized Storage Management for SQL Server 2000** – Enhances data availability via rapid restorations and non-disruptive online volume growth. Tailored to SQL 2000 environments.
  - > **Rapid Restore for SQL Server 2000** – SAN based infrastructure for rapid recovery capabilities, which allows you to quickly restore the integrity of your databases, thereby maximizing the availability of SQL 2000. Clustered SQL environments can be restored in minutes.
    - Restore time with solution: 23 minutes
    - Restore time without solution: 2 hours 47 minutes
  - > **Rapid Restore for MS-Exchange** – Allows businesses to resume operations quickly by managing application availability during restoration of storage groups. Perform – in minutes – a complete and fully automated recovery of your Exchange environment.

# Enterprise Storage Group Business Continuity Solutions

## Solutions for Business Protection and Data Security – Continued

### Oracle and SAP Solutions

- > **StorageWorks™ by Compaq and Oracle** – Compaq is a qualified member of the Oracle® Storage Compatibility Program (OSCP) in the areas of remote mirroring for synchronous and asynchronous replication, using *SANworks* DRM and snapshot technology, using *SANworks* Enterprise Volume Manager by Compaq (EVM). This program assures that *StorageWorks* and *SANworks* products by Compaq are compatible with Oracle's database products.
- > **Oracle9i EVM 2.0 Backup and Restore Best Practices** – The solution enables rapid backup of large Oracle databases, providing a more efficient and easier solution for businesses who require minimal impact on running databases to perform backups.
- > **Oracle9i EVM 2.0 Data Warehouse Best Practices** – Allows you to easily extract subsets of a larger database for use in analysis and modeling, with minimal disruption to production systems.
- > **Database Log Shipping Service for Oracle and SAP** – Manages log shipping on-site or remotely, assuring data protection & business continuity.

### Data Protection Solutions

- > **SANworks Enterprise Volume Manager (EVM)** – The foundation of data protection, EVM manages point-in-time copy functions that can be used to minimize downtime required for system backups and data migration activities. EVM virtually eliminates the backup window and addresses the need for business continuity and data protection by allowing parallel processing.
- > **SANworks Non-Disruptive Backup/Restore by Compaq, Best Practices for Windows and UNIX** – SAN-based backup and restore infrastructure for end-to-end data protection with little to no associated downtime.
- > **StorageWorks Enterprise Backup Solution by Compaq (EBS)** – Provides consolidated backup of multiple servers over high-speed, independent Fibre Channel storage to centrally-located tape libraries. Essential for data protection and business continuity, as it uses high speed processing to reduce the backup window.
- > **Automated Online Backup Services** – Compaq helps plan and implement a strategy for restoring files from anywhere, anytime they are needed.

## Solutions for Data Management

### Foundation Management Solutions

- > **SANworks Storage Utility Management Suite by Compaq** – An integrated family of storage management applications and services that enhances business continuity through centralized SAN management. Features include: a web-based management portal, appliance based deployment, storage administration, storage resource monitoring, device administration and management, performance management, storage resource accounting, and policy based automation.
- > **SANworks SAN Management Bundle by Compaq** – A complementary offering to the *SANworks* Storage Utility Management Suite by Compaq, the SAN Management Bundle provides the hardware, software and services necessary to manage a 64-port (or smaller) SAN.

### Managed Storage for Business Continuity

- > **Compaq Capacity on Demand for StorageWorks Utility Solution by Compaq** – Delivers onsite, secure managed storage with the added assurance of redundant Operations Management Centers. For added protection and management – remote copy, local copy and data protection services are available.

## Solutions for Data Recovery

### Data and Business Recovery Services

- > **Recover-all Service** – Manages guaranteed repair/replacement of equipment on a priority basis.
- > **Mobile Recovery Solutions** – Manages access to a backup system and network connectivity at a hot site with dedicated hardware specifically for your use. With expert assistance, you can resume critical operations within hours.

For more information on Compaq Enterprise Storage Group Business Continuity Solutions, please visit: [compaq.com/storage/continuity](http://compaq.com/storage/continuity)

[compaq.com](http://compaq.com)

**COMPAQ**  
Inspiration Technology

©2002 Compaq Information Technologies Group, L.P. All rights reserved. Compaq, Compaq logo, OpenVMS, StorageWorks, and SANworks are trademarks of Compaq Information Technologies Group, L.P. in the U.S. and/or other countries. Microsoft and Microsoft Windows are trademarks of Microsoft Corporation. Other product names mentioned herein may be trademarks and/or registered trademarks of their respective companies. Technical specifications and availability are subject to change without notice.