

# ETERNUS SF AdvancedCopy Manager

## ETERNUS Co-operative Software for High-Speed Backup/Replication

Internet business has reached the point where it occupies a most important position in any enterprise strategy. In order to handle the mass data processing functions of this new environment, storage systems must be changed to correspond to Broadband operation.

ETERNUS SF AdvancedCopy Manager in cooperation with Fujitsu ETERNUS DX60, ETERNUS DX80, ETERNUS2000, ETERNUS4000 and ETERNUS8000 Storage Systems provides the storage system solutions for high-speed backup/restore and replication ensuring Internet business success.

High-Speed Backup/Replication enables:

- Minimum backup time
- Non-stop high-speed backup of Major DB such as Oracle and SQL Server
- Ability to copy between ETERNUS4000, ETERNUS8000 devices in the SAN and to remote locations for disaster recovery.

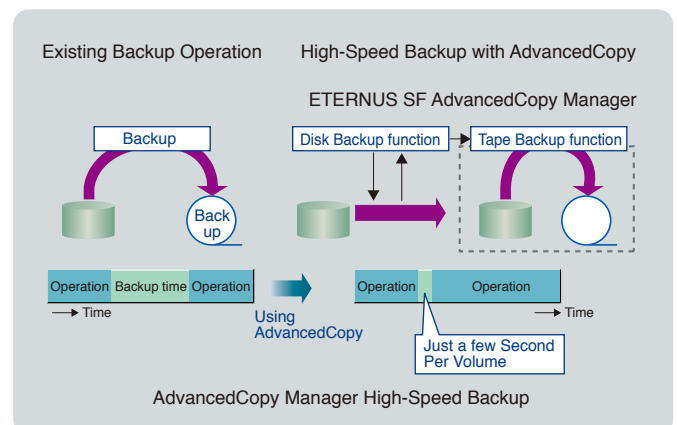
These ensure super high-speed disk-to-disk backup and restoration copying. Plus because these advanced functions do not depend on the volume of data being copied, a very stable backup regime can be developed.

Importantly, the database functions of Oracle and SQL Server do not have to stop while the backup is being taken.

Copying between storage devices within the SAN is possible as is copying to a remotely located storage device via the SAN-WAN-SAN.

Backup generation management can automatically select the volume for backup and restoration. This reduces the system administration workload and the possibility of administrative error.

Furthermore, verification of the backup status of individual storage servers and monitoring of backup/restore is done using the same integrated client for all storage management servers.



## Key Features

### ● One-Point-Copy(OPC) Function

With regard to the storage device, once the OPC instruction is issued, copy completion response is received immediately.

This allows the original and copy volumes to be used independently, ensuring that business operation can continue uninterrupted.

### ● Equivalent Copy (EC)/Remote EC (REC) Functions

Initiating EC from the host starts a copy process. But completion is not indicated until the original and copy volumes reach equivalence. However there is no need to stop the business application while this initial copying takes place.

Once Equivalence is reached the volumes can be maintained "equivalent" or separated by command from the host and then used independently.

In the business environment this process creates and maintains a highly-reliable duplex copy, which need only be separated if the copy is required for use by another process.

## ● Differential backup/replication

As standard, ETERNUS SF AdvancedCopy Manager copies the entire operational volume for maximum recovery security.

However, the QuickOPC function only copies differences since the last physical copy. This reduces the amount copied as well as the time required for copy.

Also minimized is the load on your storage system, which in turn means less backup effect on your business operations.

This differential copy feature is also available with the EC function.

## ● Integrated backup including tape

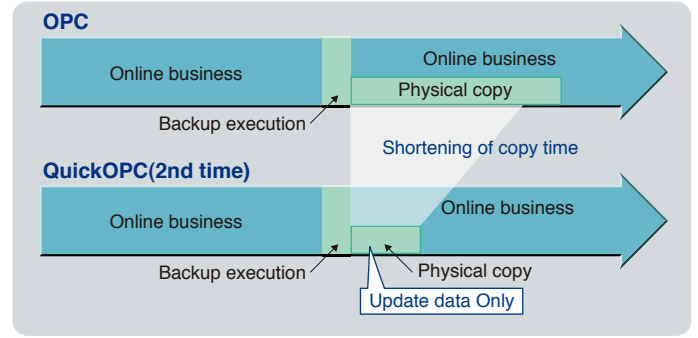
ETERNUS SF AdvancedCopy Manager, together with the advanced copy functions embodied in every ETERNUS Disk storage system, dramatically minimizes business downtime required for backup operations.

It also provides you with an integrated backup capability that delivers an integrated D2D2T(Disk to Disk to Tape) backup solution.

## ● SAN remote copy

With ETERNUS SF AdvancedCopy Manager, both copying between storage devices within the SAN and copying to remotely located storage devices via WAN, is possible.

This provides an effective and quality disaster recovery solution whether deploying Fujitsu's storage systems in or between earthquake-resistant facilities.



## ● Backup without database halt

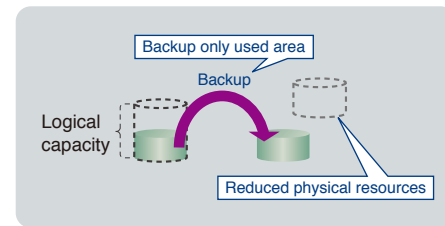
ETERNUS SF AdvancedCopy Manager never needs to halt the database functions of Oracle, SQL Server, DB2 and Exchange Server while backups are being taken. This ensures you can provide continuous operational functionality 24/7.

## ● Server virtualization in multi-OS environments

ETERNUS SF AdvancedCopy Manager can consolidate high-speed backup operation in virtualized server environments, such as VMware, as well as in multi-OS environments.

## ● Thin Provisioning

ETERNUS SF AdvancedCopy Manager replicates Thin Provisioning Volume in ETERNUS Disk Storage. Using ETERNUS SF AdvancedCopy Manager enables backup of only the physical volume being used, reducing the load on physical storage resources.



Specifications are subject to change without notice. For the latest detailed information, contact your local representative.

Sun, Sun Microsystems, the Sun Logo, Solaris, all Solaris based marks and logos, Sun Fire, Sun Blade, and Sun Enterprise are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries, and are used under license.

All other company/product names mentioned may be trademarks or registered trademarks of their respective holders and are used for identification purposes only.

Fourth edition, May 2009

 **Green Policy Innovation**