

# Compaq *Tru64* UNIX Campus-Wide Disaster Tolerant Cluster

## Protect your business

### Geographically “stretch” your cluster to ensure business continuity

Your customers expect your business to be always on. That means you have to protect it from negative events ranging from simple component failures to power outages, fires, floods, or worse. Compaq has the answer.

We've designed and qualified configurations which allow a standard *Tru64*™ UNIX® *TruCluster*™ Server software implementation to “stretch” geographically to a maximum of 6 kilometers (km).

The Compaq *Tru64* UNIX Campus-Wide Disaster Tolerant Cluster delivers the industry-leading capabilities of a *TruCluster* Server system coupled with Compaq *SANworks*™ Data Replication Manager ACS (DRM) software. The result? Easy cluster management with robust disaster protection spanning a campus environment or metropolitan area.

Should a negative event hit the information system at one location, you can maintain operations with the unaffected resources -- or, in the worst case, at the unaffected site -- and resume operations as fast as possible.

What's more, Compaq combines these configurations with a comprehensive set of added-value options and services to deliver complete, integrated high-availability and disaster-tolerant solutions.

- > Operates like a standard *TruCluster* configuration with dual paths to storage devices, single system image, and unified management utilities.
- > Spans up to 2 km without Memory Channel (MC) Hubs, up to 3 km with redundant local MC Hubs (one hub at one site, one at the other), and up to 6 km with the use of redundant MC Hubs located midway between sites.
- > Fully supports combinations of different types of AlphaServer and storage subsystems.
- > Includes detailed documentation on disaster tolerant actions and procedures such as a site failover or failback.
- > Supports advanced configuration options including a Web-based graphical management console.
- > Delivers fully scalable high-availability configurations comprising from two to eight AlphaServer systems distributed between two sites and from one to four mirrored StorageWorks™ storage subsystems per site
- > Uses off-the-shelf components to meet high-availability and disaster-tolerant requirements.

The standard configuration consists of:

- > One or more cluster members at each of two sites (maximum of eight nodes between the two sites).
- > One or more DRM storage subsystems at each of two sites (maximum of four storage subsystems on each site).
- > A maximum of 6 km between the two sites. Redundant network, Memory Channel and Fibre Channel interconnects are required between the two sites.
- > Synchronous replication of cluster (except quorum) and data file systems from the "initiator site" to the "target site."
- > Documentation covering installation, configuration, and management of the stretched cluster.
- > Services to design and configure the solution to exact customer specifications, perform in-factory and on-site test and acceptance, and transfer knowledge to the customer team.

#### Standard components

The Compaq *Tru64* UNIX Campus-Wide Disaster Tolerant Cluster solution uses the following standard Compaq software products:

- > *Tru64* UNIX V5.1A operating system
- > *TruCluster* Server 5.1A software
- > *SANworks* Data Replication Manager ACS 8.6P-3 software

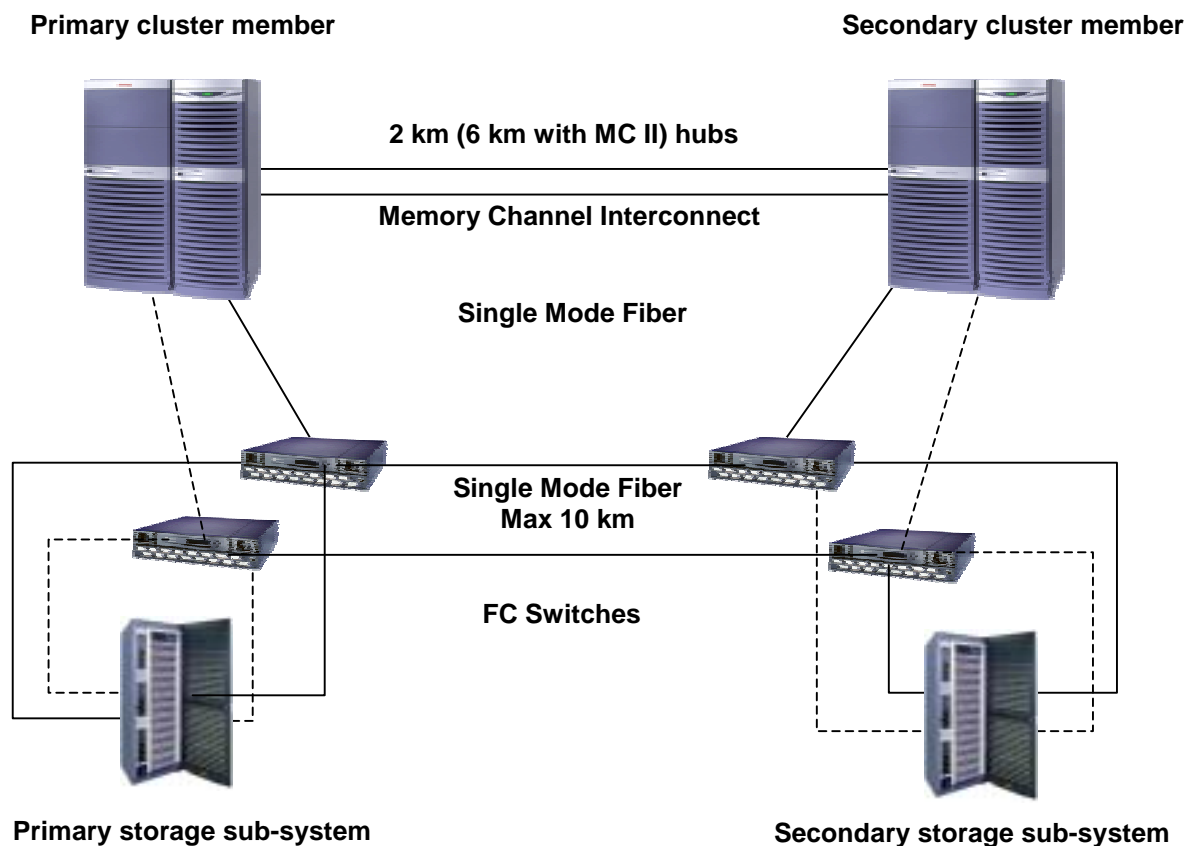
The figure below illustrates the main components of the solution (the management platform and the network connections are not represented).

#### For more information

To learn more about the Compaq *Tru64* UNIX Campus-Wide Disaster Tolerant Cluster contact your authorized Compaq representative or visit

[http://www.compaq.com/solutions/customsystems/ha\\_dt.html](http://www.compaq.com/solutions/customsystems/ha_dt.html)

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