



▶ Cluster Solution for a California Bank

Problem:

The Bank needed a solution for their servers that would allow for high availability, eliminating down time and automatically transferring the workload from one server to another in case of a system failure. This four server cluster would be supporting their Microsoft Exchange e-mail system with no single point of failure. The bank required high availability so that no critical information is lost in the event of a hardware component failure.

Solution:

Emtec (formerly Westwood Computer) suggested an HP MSA storage area network (SAN) solution. The SAN used redundant dual path fibre connections, redundant switches, as well as dual access hard disk drives in a RAID configuration for data protection.

The HP MSA is one of the most cost effective SAN solutions available, while also providing high availability. The HP SAN array allowed the data to be shared among multiple servers, while also maintaining system data access, in the event that a single server was off-line due to maintenance. Stability within their e-mail system is critical, since any information lost due to a server crash could cause the bank to incur significant costs.

Solution Key Components:

- ◆ Cluster Solution
- ◆ Exchange Server
- ◆ High Availability
- ◆ Designed & Installed
- ◆ Cost Effective

Additional Features Provided:

- ◆ HP Modular Smart Array
- ◆ Microsoft Exchange
- ◆ Fibre Channel
- ◆ SAN Design/Integration
- ◆ RAID Configuration
- ◆ Redundancy

About Emtec: Established in 1964, Emtec, Inc. is a systems integrator that provides IT services and products to the federal, state, local, education and commercial markets. Our market leading value-based management methods, coupled with best-in-class IT technology, consulting and development services, address a wide range of specific client needs, as well as support broader IT transformation initiatives. Emtec's service capabilities span the United States, Canada and countries around the globe.