

VERITAS CLUSTER SERVER ENTERPRISE AGENT FOR MICROSOFT EXCHANGE

With today's need to communicate with employees, customers and partners 24 hours a day, 7 days a week, Microsoft Exchange Server is vital to ensuring business success. As expanding demands are placed on Exchange servers, the importance of keeping them up and running and highly available has become increasingly crucial to business operations.

The VERITAS Cluster Server Enterprise Agent for Microsoft Exchange detects an application failure if a configured Exchange service is not running or if a configured Exchange server is not available. In the event of a failure, the Exchange service group fails over to the next available system and the corresponding Exchange services are started on the new system, thus ensuring continuous availability for Exchange data and user mailboxes.

In addition to preventing unplanned downtime, VERITAS Cluster Server also eliminates any planned downtime by temporarily moving the application over to another node in the cluster, making periodic maintenance easy.

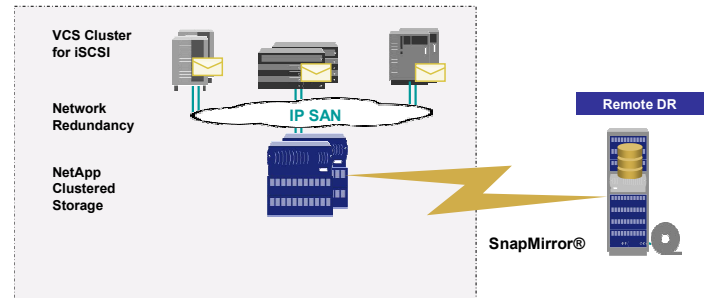
NETWORK APPLIANCE SNAPMANAGER®

Network Appliance SnapManager for Microsoft Exchange is a comprehensive data management and data protection software package that streamlines storage management while simplifying migration, backup, and restore operations for Exchange databases. SnapManager for Exchange delivers near-instantaneous, verifiable backups and restores. In addition, it provides the ability to automate scheduled policy-based data backups and enables Exchange storage capacity to be scaled on the fly. SnapManager for Exchange integrates with SnapMirror to simplify remote replication and ensure the rapid disaster recovery of Exchange data.

NETWORK APPLIANCE SNAPDRIVE™

Network Appliance SnapDrive provides enterprise storage management and virtualization software that delivers better storage capacity utilization in Microsoft Exchange environments. In addition to better storage utilization, SnapDrive provides accelerated backup and restore functionality. SnapDrive integrates with SnapMirror to enable seamless online replication for the entire Exchange environment, including virtual disks and Snapshot copies, which can be continually mirrored and automatically updated.

Combining VCS' ability to provide application, database, and server high availability with SnapManager for Exchange, SnapDrive and SnapMirror heightens disaster recovery capabilities and functionality in today's enterprise Microsoft Exchange environments. When VCS is deployed in an Exchange environment in conjunction with SnapMirror, SnapManager and SnapDrive, superior resource management, high availability and disaster recovery are realized for mission-critical situations.



Microsoft Exchange environment for server, network and storage redundancy using VERITAS Cluster Server for Network Appliance utilizing iSCSI and Network Appliance SnapMirror

VERITAS Cluster Server for Network Appliance SnapMirror delivers the most worry-free Microsoft Windows and Exchange environments by combining with NetApp's storage systems to provide transparent server, application and data failover. SnapManager coordinates SnapMirror remote replication and VCS clustering while SnapDrive permits improved management of VCS resources, virtual disks, and Snapshot copies.

Software and Platforms Supported

Windows 2000 Server, Advanced Server and Datacenter
 Windows 2003 Server, Enterprise and Datacenter
 Microsoft Exchange Server 2000 and 2003
 Microsoft iSCSI Initiator

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