

Data and Application Availability Management

DISASTER RECOVERY

• HA CLUSTERING

• DATA PROTECTION

LifeKeeper® for Exchange

High Availability Clustering, Data Replication and Disaster Recovery for Microsoft Exchange Server

Key Features:

- Supports all versions of Windows 2000/2003 and Exchange 2000/2003.
- Can build multi-node Many-to-One and Cascading clusters across any combination of LAN and WAN.
- Automated or manual failover and failback of active Exchange services and client connections.
- Exchange data can reside on shared SCSI, single or multi-path Fibre Channel SAN, iSCSI or replicated volumes across a LAN or WAN.
- Combine with LifeKeeper Data Replication for tightly integrated data replication and high availability clustering from a single vendor.
- LifeKeeper Data Replication provides asynchronous volume replication with a single source system going to multiple targets to provide both local and remote copies of Exchange mail stores and logfiles.
- Built-in Active Directory replication engine ensures that updates made to Active Directory during recovery processing are immediately propagated to all controllers within the forest.
- Provides health monitoring and failover of key Exchange components:
 - World Wide Web Publishing Service
 - SMTP Service
 - Message Transfer Agent (MTA)
 - System Attendant
 - Information Store
 - Routing Engine

LifeKeeper provides additional monitoring and recovery capabilities, including protection for add-on services such as Virus scanners, SPAM filters, PDA connectors.

Exchange server downtime costs companies around the world millions of dollars a year. Technically-savvy IT organizations work to eliminate or lessen the impact of both planned and unplanned downtime through the implementation of real-time data replication, high availability clustering and disaster recovery solutions.

SteelEye LifeKeeper for Exchange is the industry's most comprehensive and scalable solution for eliminating Exchange downtime from either planned or unplanned outages. With integrated data replication, high availability clustering and disaster recovery capabilities, LifeKeeper for Exchange addresses all levels of uptime requirements, from local Exchange data replication, to local application failover, to complete disaster recovery of Exchange at a remote site.

Since its introduction to protect Exchange 5.5 in 1998, LifeKeeper has been deployed by companies of all sizes and in all geographies to ensure that mission-critical messaging and collaboration systems are available 24x7x365. As Exchange has evolved over the years, LifeKeeper has evolved as well to include integration with Active Directory, larger and more complex cluster configurations and protection of programs which have developed as adjuncts to Exchange such as PDA connectors and SPAM and virus filters.

LifeKeeper constantly monitors the health of all pieces in the Exchange environment including servers, network connections, data volumes and Exchange processes. On detection of any problem, LifeKeeper initiates a recovery action. This configurable action can include attempting to restart Exchange on the same server (a local recovery), migrating Exchange to a backup server (a failover), or sending an alert to the Exchange administrator so that the problem can be investigated. Through LifeKeeper's intuitive GUI, administrators can manually move Exchange among servers to eliminate the need for planned downtime due to maintenance. No longer does applying service packs mean that Exchange has to be unavailable.

LifeKeeper for Exchange does not require that you use high-end versions of either Windows or Exchange. There is also no requirement that all servers in the cluster be identically configured. LifeKeeper is flexible so that you can deploy the HA cluster topology that makes the most sense for your business. This flexibility extends to the use of storage as well. With LifeKeeper, you can build a shared-nothing cluster using LifeKeeper Data Replication, or you can deploy a shared-storage cluster using direct attached SCSI or Fibre Channel devices.

LifeKeeper for Exchange can also be extended across a WAN connection for full disaster recovery protection.

Whether you need real-time Exchange data backup, high availability protection within a LAN or disaster recovery across a WAN, SteelEye LifeKeeper for Exchange meets your business needs.

Microsoft
GOLD CERTIFIED
Partner

LifeKeeper® for Exchange

Data Replication for Mail Stores and Log Files

SteelEye LifeKeeper Data Replication (LKDR) is designed to ensure that data is always available. In an Exchange environment, mail stores and log files are replicated in real-time from a local disk located on the active Exchange server to a local disk located on a backup server. Because LKDR can operate in either synchronous or asynchronous mode, the backup server can be across either a LAN or WAN. The recovery process from a local system failure is virtually immediate because data is available on a hot disk where it can be easily accessed and restored. With the ability to do One-to-Many replication, multiple real-time copies can be made to different locations to provide the highest possible data protection.

Used alone, LKDR provides an efficient disk-to-disk data backup mechanism. When combined with LifeKeeper High Availability clustering, it becomes a powerful component in an overall Exchange protection solution.

Exchange High Availability Clustering

SteelEye LifeKeeper for Exchange monitors all components of an Exchange 2000/2003 system—including servers, storage, network connections and Exchange processes—and initiates a recovery action on detection of a failure; it also provides a simple interface for manual movement of applications to eliminate outages from planned maintenance.

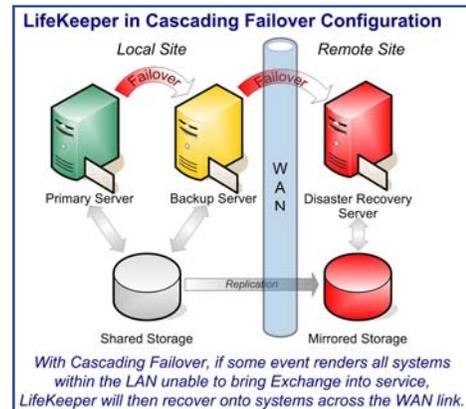
With support for both data replication and shared storage environments and the ability to build Many-to-One clusters, LifeKeeper provides maximum flexibility in configurations which can be deployed. You can build the solution which meets your needs today knowing that it can grow to meet your needs tomorrow.

Disaster Recovery

The Disaster Recovery capabilities within SteelEye LifeKeeper for Exchange provide a complete and unmatched automated disaster recovery environment for protection against catastrophic failures at your primary data center. By combining asynchronous data replication across a WAN with the monitoring and recovery capabilities of LifeKeeper for Exchange, a disaster recovery configuration for ultimate protection can be put into place easily.

With automated and integrated data replication and failover to a remote site, you can reliably replicate data asynchronously and reliably monitor critical resources over a WAN. LifeKeeper will migrate Exchange to the remote site only in disastrous events with a choice of full automation or a manually-activated "panic button" which lets administrators make the final decision on Exchange recovery.

Access to Exchange services is restored in minutes, rather than hours or days typically associated with disaster recovery operations.

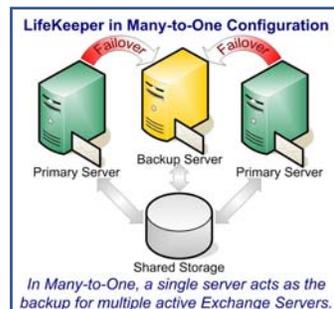
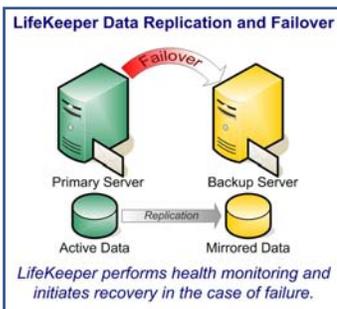


Backed by SteelEye Consulting Services

SteelEye offers a full range of consulting and professional services to assist customers in achieving high availability business objectives and to support the deployment of SteelEye products.

Services include High Availability Assessment, Solution Design, Configuration/Deployment and Training.

We are the High Availability Experts.



About SteelEye Technology

SteelEye, a Microsoft Gold Certified Partner, is the leading provider of data and application availability management solutions for business continuity and disaster recovery for Linux and Windows.

The SteelEye LifeKeeper family of application-focused data replication, high availability clustering and disaster recovery solutions are easy to deploy and operate, enabling enterprises of all sizes to ensure continuous availability of business-critical applications, servers and data.

To complement its software solutions, SteelEye also provides a full range of high availability consulting and professional services to assist organizations with the assessment, design and implementation of solutions for ensuring High Availability within their environments.

To contact SteelEye, visit our website at www.steeleye.com, or call:

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