

Data and Application Availability Management

DISASTER RECOVERY

• HA CLUSTERING

• DATA PROTECTION

LifeKeeper® Protection Suite for SAP on Linux

Key Features:

- Runs on IA32, EM64T and AMD64 platforms
- Supports Red Hat and SUSE Linux
- Monitors and provides switchover for complete SAP application stack including
 - Central Instance (ABAP)
 - Central Services (Java)
 - Database
 - NFS Mounts or File Shares
 - Message and Enqueue services
 - Replicated Enqueue on backup servers
 - IP Addresses (via Virtual IP)
 - LVM
- Supports both ABAP and Java configurations
- Protect databases using Oracle, DB2 and MaxDB
- Clusters can be built using shared SCSI, Fiber SANs, NAS devices or data replication
- Active/Active and Active/Standby configuration support
- SteelEye is a winner of the prestigious SAP Pinnacle Award for Outstanding Product Development

High Availability Clustering, Data Replication and Disaster Recovery for SAP

What does it cost your business when your SAP system is down due to a hardware failure, an administrator mistake or for maintenance activities? The impact can range from thousands of dollars loss in sales per minute to significant drops in employee productivity and customer satisfaction. Through the implementation of a high-availability cluster configuration, downtime from both planned and unplanned outages can be virtually eliminated. SteelEye and SAP AG have worked closely together to ensure that the availability needs which corporate users have for critical business infrastructure running on Linux and Windows platforms are achieved through the deployment of monitoring and switchover solutions for SAP Application Server (AS) and both JAVA and ABAP Web Application Server (WAS) environments.

Switchover is a standard technique to increase the availability of critical SAP Application Server and SAP Web Application Server environments by clustering together a number of servers (a primary and one or more standby servers) to eliminate single points of failure within the SAP topology. Switchover operates by constantly monitoring all components of the SAP solution stack, including servers, databases, network connections and the SAP services themselves, and taking an automatic recovery action on detection of any problem. The recovery often includes a first attempt to perform "local recovery" by bringing SAP back into service on the primary server. If not possible due to a hardware outage or not successful for any other reason, the recovery process will then bring SAP in service on a stand-by server configured within the switchover cluster. In most instances, switchover takes less than three minutes, greatly reducing downtime from system failures.

Since 2002, SteelEye's LifeKeeper for SAP has provided switchover protection for SAP AS and WAS installations throughout the world. LifeKeeper, available for both Red Hat and SUSE Enterprise Linux distributions uses lightweight agents which constantly monitor the operation of all pieces of an SAP solution. Should any of these agents detect a problem with the components being monitored, LifeKeeper will automatically begin a recovery procedure which restores SAP to full operation with minimal impact on end-users and applications. LifeKeeper protects all single points of failure including the back-end database (Oracle, DB2, MaxDB), NFS mounts, and the SAP Central Instance services to ensure the full end-to-end protection SAP solution stack is always available. In addition to protecting against downtime, LifeKeeper can be used to manually migrate services and client connections between systems to eliminate downtime associated with planned maintenance.

About SteelEye Technology

SteelEye, an SAP Development 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 learn more, visit www.steeeye.com or call

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