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t e c h n o l o g i e s

Surveillance*MA*™

For Sybase Mirror Activator

Maximizing Data Efficiency to Ensure Business Continuity

Working in conjunction with storage replication systems to replicate database transactions from a mirrored log to an available ASE (Adaptive Server Enterprise) server or Oracle® database, Bradmark's **Surveillance MA™** provides monitoring and alerting capabilities that enhance replication data reliability and performance.

Sybase Mirror Activator leverages the best attributes of disk mirroring and transactional replication, ensuring transactional consistency while dramatically reducing failover time for database applications. It manages a live, standby database that is available within seconds, versus hours, of time-to-recovery required by cold standby systems. With Surveillance MA user-defined thresholds in place, DBAs can ensure system uptime and increase data availability to more organizations enabling them to protect their mission-critical applications.

Key Benefits

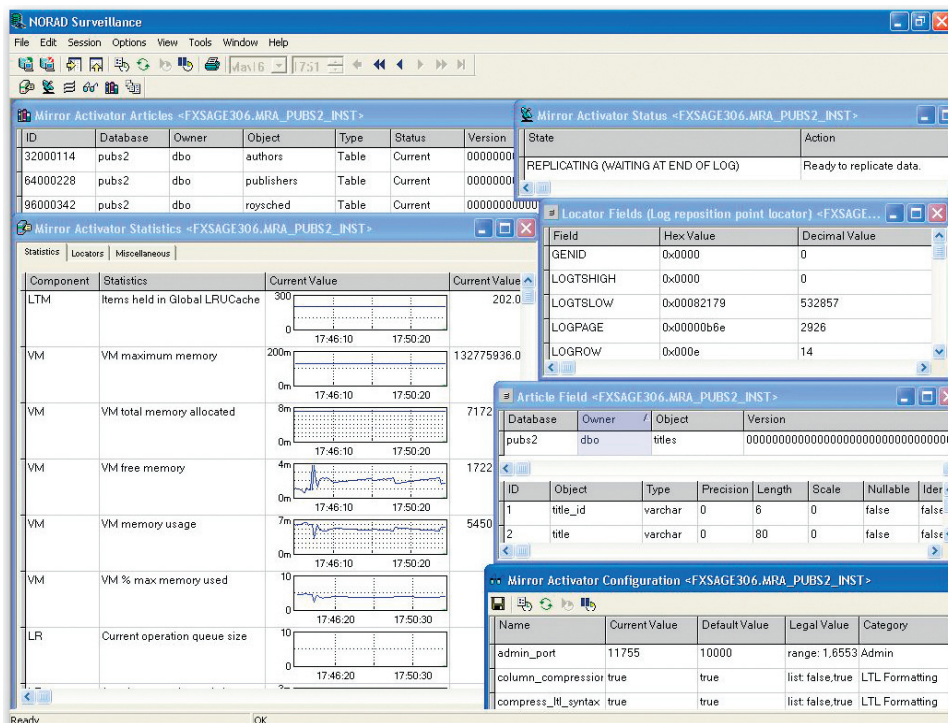*Monitor replication status and performance statistics*

Reduce downtime by quickly detecting and resolving problems before they affect the database

Monitor and alert on system log activity

Maximize replication efficiency

Alert when MA switches to Admin mode

Graphical access to: Component (eg, ASE, RS, RSSD, RASD) versions MA configuration settings Article details

Efficient diagnostics and effective problem identification with a real-time perspective.

Product Summary

Increase Availability... Continuous evaluation of rules for violations combined with unattended alerting allows problems to be detected and resolved before a crisis can effect availability.

Plan for the Future... Use trend performance and space utilization data to support system upgrades and/or decisions regarding additional disk space.

Maximize Scarce Resources... The DBA can concentrate on improving performance and developing new databases rather than looking for problems.

Monitor Business Objectives... Alert business executives when objectives are not being met by extending alerting and alarming capabilities to application data.

Reduce the Impact of a Crisis... During a crisis, identify problems quickly with an immediate global view of database activity and detailed performance metrics without writing scripts.

Product Functionality

ASE Monitoring

(primary database):

- At the primary database, monitors the time the replication agent is behind in processing transaction log.
- Provides graphical view of log file growth rate as well as overall utilization to alert when availability may be compromised.
- Monitors the general status of the replication agent and alerts when not connected and streaming transaction log.

ASE Monitoring
(replicate database):

- Monitors DSI executor threads and alerts when excessive blocking occurs or they are log suspended.
- Provides a graphical monitor of transaction latency and alerts when excessive.

- Monitors when transactions have been received and alerts if no transactions have been received from the Replication Server for an excessive time period.
- Monitors the transaction log % utilization on the replicate database and alerts when it is filling up.

Key Rules Analysis and Alerting

- Unattended event management with a rule set out-of-the box to alert the DBA of:
  - *data segment or transaction log is filling up*
  - *log suspended processes*
  - *runaway processes*
  - *errors in the errorlog*
  - *configured ASE resources near capacity*
  - *excessive server resource utilization*
  - *excessive blocking*
  - *deadlocks*

- User defined rules based on any of the performance metrics collected or even user defined monitoring collections

System Requirements

Console Requirements:

- Windows 2000 or later
- 600 MHz Pentium Processor
- 128 MB of RAM
- 100 MB free hard disk space

Agent Requirements:

- Platforms: Windows 2000 or later, AIX, HP-UX PA-RISC, HP-UX Itanium, Linux x86, Solaris SPARC, Solaris x64, and Tru64
- Full 64-bit support on UNIX and Linux
- TCP/IP
- 80 MB free hard disk space, more for repositories (Windows)
- 300 MB free hard disk space (UNIX)

RDBMS Requirements:
Surveillance can connect virtually (remotely) or natively (locally) to the following databases:

Sybase ASE: 11.0, 11.5, 11.9, 12.0, 12.5, 15
Sybase Rep Server: 12.1, 12.5, 12.6, 15
Sybase IQ Server: 12.5, 12.6, 12.7
Sybase Mirror Activator: 12.6

About Bradmark

Privately-held for more than 25 years, Bradmark Technologies, Inc. develops, markets, sells, and supports data management solutions that provide anytime — anywhere access to managing database, application and operating system components. In addition to a direct sales force, Bradmark has an established worldwide network of channel partners.

To order, or for more information on other Bradmark products:

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