



SurveillanceDB™

For Sybase Adaptive Server Enterprise



Real-Time, Proactive Solutions to Ensure Database Uptime

Bradmark's **Surveillance DB™** provides essential real-time monitoring, issue identification and resolution, rules-based event management, data repository and reporting, enabling IT professionals to ensure reliable system quality, productivity and performance of their Sybase ASE environment.

Surveillance real-time monitoring utilizes Sybase's MDA tables to monitor over 2500 metrics. The unattended, event management feature allows users to get immediate feedback of performance issues on ASE servers throughout the enterprise. Highly customizable rule sets and event handlers can then be tailored to any specific requirement including taking remedial action. For after-the-fact, root cause analysis, capacity planning, and service-level monitoring, Surveillance's Central Repository can store historical performance and utilization information from the entire enterprise.

Key Benefits

Completely redesigned for Sybase ASE 15 support

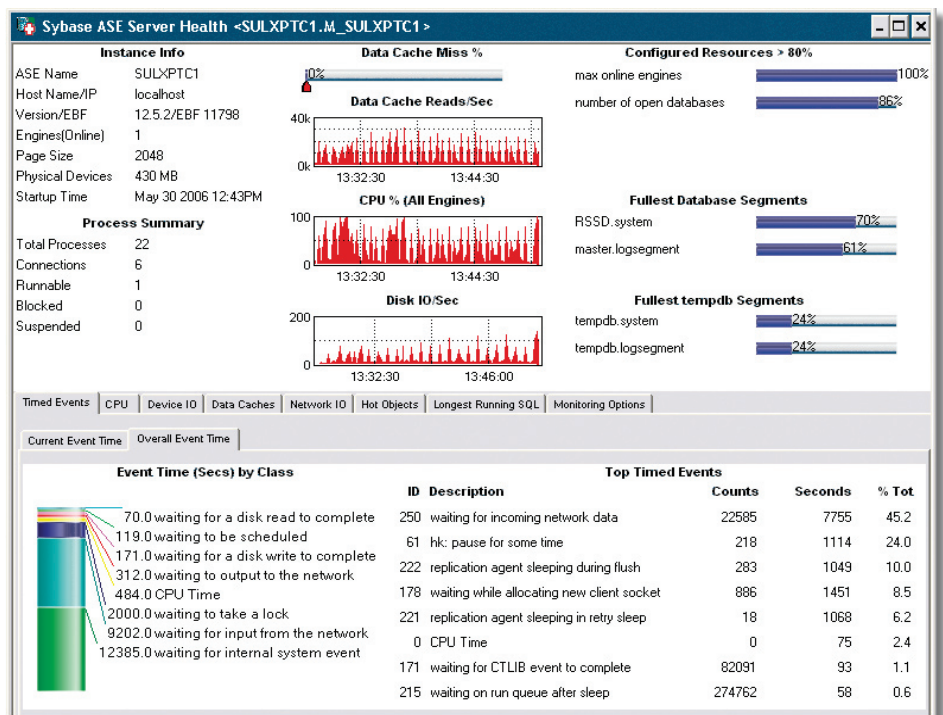
Reduce downtime by quickly detecting and resolving problems before they affect the database

Enterprise-wide, dashboard monitoring displays the status of servers and entities

Determine the root cause of a recent outage using Flashback analysis

Predict future system requirements by trending historical performance data

Produce high quality reports from the Surveillance Centralized Repository Database



Health view provides a top-level view of key performance and utilization metrics to quickly assess the overall health of an ASE.

Product Functionality

Real-Time Monitoring views

- User specified source of monitoring metrics (MDA tables, monitor server, or direct access to counters and system tables) allows Surveillance to work in any ASE environment
- Timed event monitoring for ASE and individual processes
- ASE Server Health view provides a top-level view of key performance and utilization metrics including:
 - Most utilized database and logs segments
 - Configured resources reaching capacity
 - Overall CPU, IO, and cache performance with tabs to look at engine utilization, device IO, and individual cache performance
 - Timed event statistics identify specific resource bottlenecks
 - Objects with the highest IO rates
 - Currently executing long running SQL
 - Network IO
- Process snapshot with CPU and IO graphs, blocking, wait states quickly identifies problem processes

- Process Detail drilldown view provides a complete in-depth analysis of the performance of an individual process including:
 - Current executing SQL with explain plan
 - Timed event statistics identifying contention for resources (CPU, IO, locks)
 - Resource utilization (CPU, Device and Network IO)
- Blocked process view graphically displays any blocked processes quickly showing the root cause of multiple blocked sessions
- Database storage analysis helps identify and plan for capacity issues before they become an availability problem
- Temporary database utilization statistics quickly identify the top processes utilizing tempdb space
- Complete data cache analysis helps you properly size named caches and buffer pools
- Snapshot of executing SQL and SQL history with statistics for solving performance issues as well as identifying key statements to tune

- Analyze the ASE errorlog for important error message

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

Reports

- Central history database to consolidate ASE information from across the enterprise and produce pre-defined reports for after-the-fact problem diagnostics and resource capacity planning

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:

- Sybase ASE version 11.0 or later

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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