



# SurveillanceDB™

For Microsoft SQL Server®



## Real-Time, Proactive Solutions to Ensure Database Uptime

### Key Benefits

*Redesigned Microsoft SQL Server monitoring for heterogeneous database environments*

*Monitor any SQL Server performance counter*

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

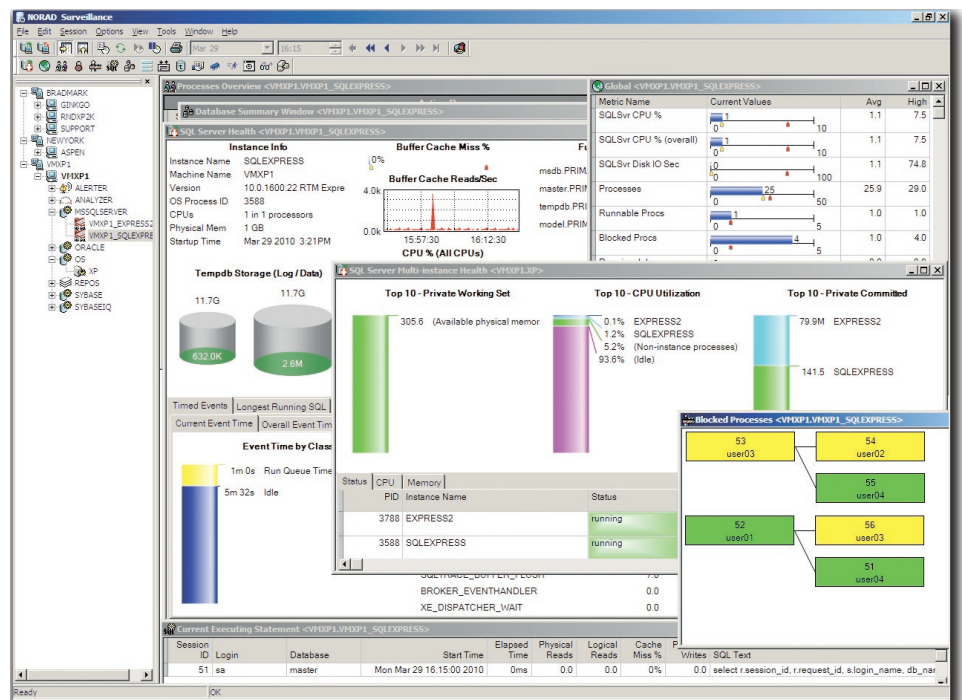
*Pre-defined or customized rules enable DBAs to receive proactive alerts of potential problems before the database is affected*

*Data FlashBack provides an historical snapshot of real-time data to determine the root cause of a system slowdown or outage*

*Produce high quality reports from the Surveillance Centralized Repository Database, and generate numerous pre-defined reports for each monitored platform*

Surveillance DB™ for MS SQL Server provides best-in-class monitoring and event management technology to support simple to complex IT infrastructures. Utilizing real-time monitoring, unattended event management, and historical data analysis tools, Surveillance enables IT professionals to capture comprehensive views of overall SQL Server health, and perform comprehensive drill-downs to identify and eliminate operational and performance issues throughout your enterprise.

With Surveillance overseeing system activity, DBAs can now spend more time on day-to-day operations and less time on problem solving by executing customized rule sets and event handlers tailored to their specific requirements for immediate alert notification or to take remedial action. Store historical performance and utilization information using Surveillance's Central Repository for root-cause determination, capacity planning, or service-level reports. As demands for around-the-clock availability increases, Surveillance becomes an essential IT resource to ensure proactive, SQL Server database management.



## Product Functionality

### Latest SQL Server Feature Set

- Redesigned Database Usage and Filegroup Usage monitoring
- Monitoring of a multi-instance machine through the SQL Server Multi-instance Health Window in the OS module
- Enhanced Block Tree Window
- Monitor the database using Dynamic Management Views and Functions (DMV), which provide more powerful monitoring metrics

### Real-Time Monitoring views

- Redesigned Health Window provides a top-level view of key performance and utilization metrics including:
  - Most utilized database and logs segments
  - Overall CPU, IO, and cache performance with tabs to look at engine utilization
  - Top timed event statistics identify specific resource bottlenecks
  - Tempdb Storage
  - Currently executing long running SQL

- User specified source of monitoring metrics (DMVs, direct access to counters and system tables) allows Surveillance to work in any environment
- Timed event monitoring for SQL Server and individual processes
- Process snapshot with CPU and IO graphs, blocking, wait states quickly identifies problem processes
- Blocked process view graphically displays any blocked processes quickly showing the root cause of multiple blocked sessions
- Process detail drilldown view provides a complete in-depth analysis of the performance of an individual process including:
  - Current executing SQL
  - Resource utilization (CPU, Device and Network IO)
- Database storage analysis helps identify and plan for capacity issues before they become an availability problem
- Temporary database utilization statistics quickly identify the top objects utilizing tempdb space

- Snapshot of executing SQL and SQL history with statistics for solving performance issues as well as identifying key statements to tune
- Analyze the errorlog for important error message

### Key Rules Analysis and Alerting

- Unattended event management with a pre-define rule set to alert the DBA of:
  - data segment or transaction log is filling up
  - log suspended processes
  - errors in the errorlog
  - excessive server resource utilization
  - excessive blocking
- User defined rules based on any of the performance metrics collected or even user defined monitoring collections

### Reports

- Central history database to consolidate 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 Server 2003 or later, AIX, HP-UX PA-RISC, HP-UX Itanium, Linux x64 - x86, Linux POWER, Solaris SPARC, Solaris x64, Tru64
- Full 64-bit support on UNIX and Linux
- 200 MB disk space, plus repositories

### RDBMS Requirements:

- Microsoft SQL Server 2000-08, 2008 R2
- MS SQL Server 2012, 14 and 2016

## 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.

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