

## Software Release Bulletin

Product: **SurveillanceDB™ Monitoring Solution**

GA Release: **Version 4.3.2**

Release Date: **June 2011**

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### Product release description

This document outlines the product release of version 4.3.2 for **Surveillance** on Win32, AIX, HP-UX, Solaris, Linux, Tru64, and HP-UX Itanium. Listed below are the key enhancements to improved performance and reliability:

#### SQL monitoring for Sybase ASE

**Key enhancements for monitoring SQL statements and stored procedures on Sybase ASE include:**

- **ASE Procedure Activity Window**  
For Sybase ASE 15.0.3 and later, the new Procedure Activity Window provides performance statistics for stored procedures, such as average and maximum elapsed times, CPU usage, and wait times.
- **Support for ASE Statement Cache**  
The new Cached Statements Window displays SQL and their statistics from the ASE Statement Cache. A new pane in the Cache Activity Window provides overall statistics for the Statement Cache.
- **Redesigned ASE Current Executing Statements Window**  
The Current Executing Statements Window has been redesigned to include much more information for each SQL statement that is currently running inside the database.
- **Redesigned ASE Recently Executed Statements Window**  
For Sybase ASE 15.0.3 and later, the new Recently Executed Statements Window provides SQL monitoring statistics summarized by batch. The new collections provide better performance than the old ones. The old window is no longer available for pre-15.0.3.
- **Full SQL Text and reduced SQL storage for ASE**  
Several windows, such as the Current Executing Statements Window, have been enhanced to show a preview portion of SQL in each row, and then the full SQL text in a lower window when single-clicking on the row. The amount of storage for SQL in local repository stores has been reduced by up to 90% for some collections.
- **SQL Text for ASE in flashback mode**  
Several windows can now show full SQL text in flashback mode.
- **Collection criteria in an ASE user-defined function or procedure**  
Criteria, such as minimum CPU time and minimum Logical IOs, to use when gathering some SQL metrics (such as in MDA\_RECENTSTMT\_PIPE) are now defined in the UDF f\_norad40\_user\_config() (ASE 15.0.3 or later) or SP sp\_norad40\_user\_config() (pre-15.0.3). You can customize the UDF or SP in order to change the criteria, and that criteria will be used at the lowest level possible, for better performance and less network usage.

#### Support for IQ 15.3 with PlexQ and IQ 15.2

Monitoring of Sybase IQ 15.3 is now supported, with logical clusters, shared temporary stores, and PlexQ, or Distributed Query Processing (DQP). Monitoring of Sybase IQ 15.2 is also now supported.

**Recently Executed Statements on IQ 15**

The Recently Executed Statements Window now mines IQ SQL Log information on IQ 15. It has fixes and better performance on IQ 12, as well.

**Support for ASE 15.5 and ASE CE 15.5**

Monitoring of Sybase ASE 15.5 and ASE CE 15.5 is now supported.

**Connections without a Sybase interfaces file**

Entities for Sybase ASE, IQ, and RS can use a connect string of host:port instead of an alias from an interfaces file.

**Support for ASE In-memory Database (IMDB)**

Various collections now support IMDB in Sybase ASE.

**OS authentication for Microsoft SQL Server**

Entities and repository export can now use OS authentication (or, Active Directory authentication) against Microsoft SQL Server instances. The Surveillance service must be set to Log On as the OS / domain user which should be used. Inside Surveillance, enter a blank username and blank password to indicate OS authentication.

**Fixes for the PROCESS / PROCESSOVR collection in Microsoft SQL Server**

Several important fixes have been made to the PROCESS / PROCESSOVR collection in Microsoft SQL Server.

**Support for AIX 7.1**

Surveillance now supports running in an LPAR on AIX 7.1.

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**Availability**

Surveillance 4.3.2 is now available for download from the partner's site. This is a maintenance release for customers on maintenance support, please contact your Bradmark representative for more details:

Bradmark U.S. and the Americas call: (713) 621-2808, or toll-free (800) 621-2808

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