

Surveillance DB™

For the SAP HANA Platform

Application Performance Monitoring Toolset

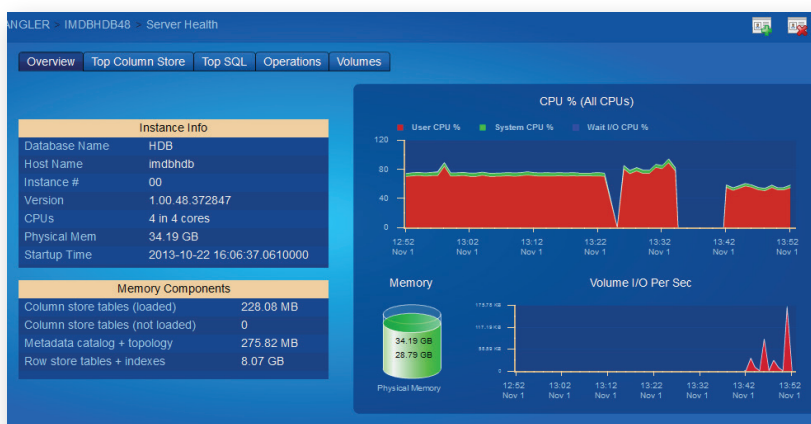


Key User Benefits

- Comprehensive APM capabilities optimized for the SAP HANA in-memory database beyond SAP Solutions Manager
- Immediate access to important connection details, such as full SQL text, SQL plans, locks & more for DBAs transitioning from other databases
- Secure, global web access to database performance monitoring of HANA databases in any data center
- Determine problems areas by accessing co-distributed, historical data even if the database is offline
- Integrate existing scripts with easy and convenient user-defined collections (UDCs) and user-defined windows (UDWs)

Overview

Bradmark's **Surveillance DB™** for the SAP HANA® platform provides best-in-class monitoring and event management to support in-memory data management environments. Utilizing real-time monitoring, unattended event management, and historical data analysis tools, Surveillance enables IT professionals to capture comprehensive views of overall system health, and perform comprehensive drill-downs to determine the root cause of performance bottlenecks.



Critical areas at a glance in the Surveillance Health Window for HANA



Table Name	Memory	Components	Estimated ...	Loaded	Unload ...
BIG_TAB	0.85 GB	0.85 GB	0.85 GB	FULL	5
STATISTICS_ALERT_LAST_CHECK_INFORMATION	35.5 MB	35.5 MB	35.5 MB	PARTIALLY	0
HOST_VOLUME_IO_PERFORMANCE_STATISTICS	34.28 MB	34.28 MB	35.34 MB	PARTIALLY	0
HOST_SERVICE_STATISTICS	12.2 MB	12.2 MB	12.68 MB	PARTIALLY	0
HOST_SERVICE_MEMORY	9.17 MB	9.17 MB	9.43 MB	PARTIALLY	0
HOST_VOLUME_IO_PERFORMANCE_STATISTICS	8.37 MB	8.37 MB	8.37 MB	PARTIALLY	0
HOST_DATA_VOLUME_PAGE_STATISTICS	7.72 MB	7.72 MB	7.96 MB	PARTIALLY	0
STATISTICS_ALERTS	7.46 MB	7.46 MB	7.6 MB	PARTIALLY	0
STATISTICS_ALERTS	7.29 MB	7.29 MB	10.93 MB	PARTIALLY	0
HOST_CONNECTION_STATISTICS	6.5 MB	6.5 MB	6.59 MB	PARTIALLY	0
HOST_VOLUME_FILES	5.92 MB	5.92 MB	6.06 MB	PARTIALLY	0
HOST_VOLUME_IO_STATISTICS	5.4 MB	5.4 MB	5.52 MB	PARTIALLY	0
HOST_CONNECTIONS	4.85 MB	4.85 MB	4.92 MB	PARTIALLY	0
STATISTICS_ALERTS	4.37 MB	4.37 MB	4.5 MB	PARTIALLY	0

Emphasis on optimizing memory usage in HANA, especially in the column store

Product Functionality

Server Health - Dashboard of critical areas in the HANA database, including a breakdown of key memory areas

Service Memory Usage – Analysis of memory used by the various HANA services

Column Store Tables – Purpose-driven views of column store tables for memory optimization, including top memory used, top estimated size, and top delta usage, along with enhanced status information for delta merges and loads

Connections – Session-level information on applications

- SQL statements
- Query plans
- Open Transactions
- Locks

Volumes and Disks – Storage usage

Operations – Continuous view of delta merges, loads, and other operations

Configuration – View the “ini” settings in the many different categories of HANA options

System Requirements

Web Client Requirements:

- Windows XP SP3 or later
- 1.2 GHz Processor
- 512 MB of RAM

Tablet Requirements:

- 1.2 GHz Processor
- 8 Gb of Memory

Windows Requirements:

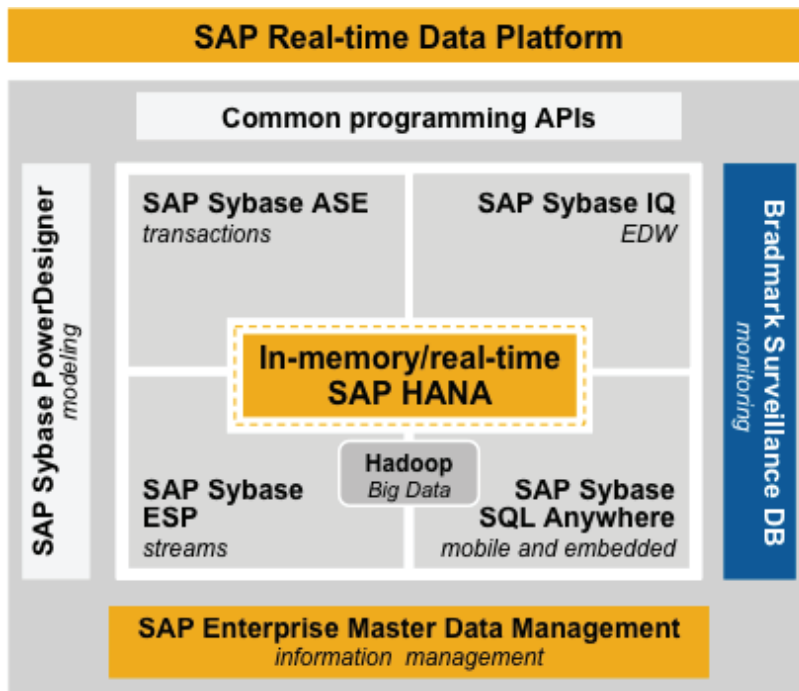
- Windows XP SP3 or later
- 1.2 GHz Processor
- 512 MB of RAM
- 300 MB free hard disk space

Agent Requirements:

- Platforms: AIX, HPUX Itanium, HPUX PA-RISC, Linux x64, Linux POWER, Solaris SPARC, Solaris x64, Tru64, Windows Server
- Full 64-bit support on UNIX and Linux
- 300 MB disk space, plus repositories

RDBMS Requirements:

- SAP HANA 1.0 rev. 48 or later



In the US: 1 (800) 621-2808
Or, outside the U.S.: (713) 621-2808

Bradmark UK
Tel: +44 (0) 208 068 5822

Bradmark EMEA
Tel: +31 (0) 88 088 2550

Bradmark Deutschland
Tel: +49 (89) 9620 9012

Bradmark Asia
Tel: +86 10-8492-5440

Visit: www.bradmark.com

