DATA SHEET

CA Unified Infrastructure Management for Databases

At a Glance

CA Unified Infrastructure Management for Databases (CA UIM for Databases, formerly CA Nimsoft Monitor for Databases) tracks a wide array of availability and performance metrics for multiple database platforms like Oracle, Sybase, IBM® DB2, Microsoft® SQL Server and IBM Informix. CA UIM for Databases delivers real-time alerts, and all data is analyzed archived for performance reporting and leveraged for SLA creation, monitoring and reporting. CA UIM for Databases helps ensure consistent service levels across multiple database platform environments, improves triage across teams with one global view and uncovers performance bottlenecks.

Key Benefits/Results

- Ensures database server integrity and peak performance
- Provides insights on database server reliability, resource utilization and more
- Provides the end-user perspective on database performance

Key Features

Provides real-time, 24x7 database health-check monitoring

Monitors database availability, performance and SLA compliance

Provides web-based status dashboards for CIOs, database managers and DBAs

Offers support for leading database platforms:

- Oracle
- Sybase
- IBM® DB2
- Microsoft® SQL Server
- IBM Informix

Business Challenges

Databases don't operate in a vacuum, yet that's how many database-monitoring platforms track performance. While it is of the utmost importance to monitor the database itself for high availability and peak performance, it is also critical to monitor the database in the context of the business service it's supporting.

Solution Overview

CA UIM provides database monitoring from a server perspective (monitoring database server integrity) and from the end-user's perspective (monitoring response times for defined SQL queries). The end goal of the solution is to ensure the database is always available and running at peak performance so that the database does not compromise business productivity and end-user satisfaction.

Insights to ensure a high-quality end-user experience

To gain an end-user's perspective of database performance, CA UIM can perform any single or multi-line SQL query from any source system to any remote database server. The solution will break down SQL query response times by network connect time and by each of the SQL query phases that occur on the target database (connect time, prepare time, record set time and fetch time). The individual and total response-time metrics are monitored for proactive alert generation and archived for long-term trend analysis, problem diagnosis and SLA compliance reporting.

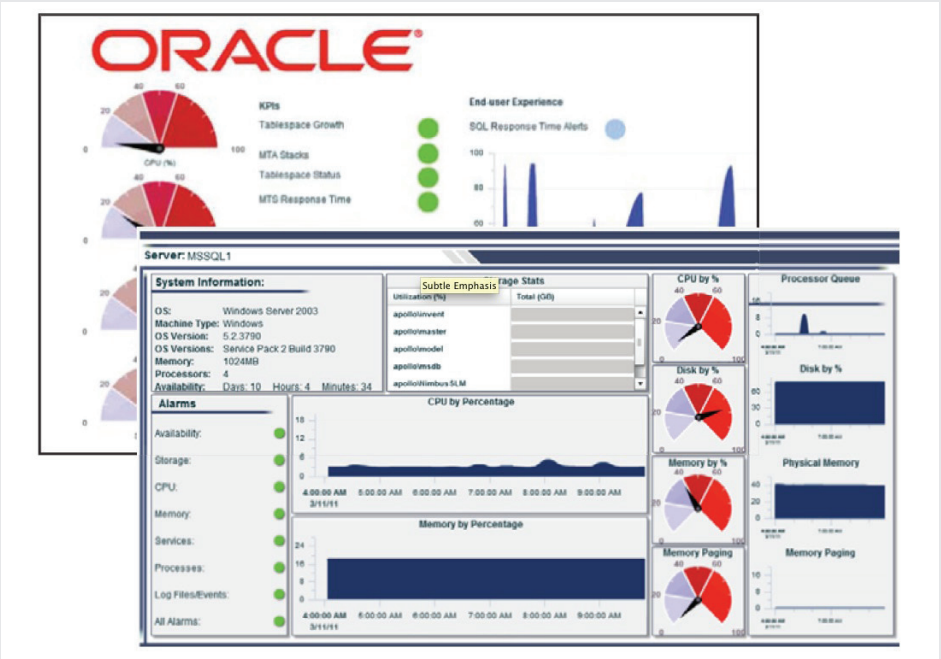
SQL query data monitoring

In addition to response-time monitoring, CA UIM will track database data values and the number of rows returned from defined SQL queries. This functionality is ideal for proactively monitoring critical data metrics contained in any IT and business database, (inventory quantity, orders shipped and service desk calls.) Early warning alerts can be generated when defined thresholds are violated. Additionally, database data values can be archived in the CA UIM database for long-term trend analysis and SLA compliance reporting.

Critical Differentiators

Server-centric database monitoring: CA UIM includes a set of specialized and platform-specific database probes (probes can be deployed remotely or server resident). The specialized probes target a wide array of database metrics to ensure status awareness for DBAs and database managers. As with the service-centric monitoring approach discussed above, the poll values for each database metric will be analyzed for alert generation and can also be automatically forwarded to the CA UIM historical archive—once there, availability and performance trend reports can be generated. Reports are the key to providing insights on database server reliability, resource utilization and more. CA UIM provides at-a-glance insights into availability, performance and resource utilization in your database platforms.

CA UIM provides at-a-glance insights into availability, performance and resource utilization in your database platforms.



Real-time dashboards: CA UIM offers comprehensive dashboard views for all database platforms, including Oracle, Sybase, IBM DB2, Microsoft SQL Server and IBM Informix.

Historical trend reporting: CA UIM provides historical performance reporting—this functionality will provide the necessary visibility to foresee and disrupt trends that may impact database service levels if allowed to persist. Trend reports also provide visibility into database resource consumption. This is key for proactive capacity planning.

Monitoring databases against SLAs: CA UIM provides SLA creation, monitoring and reporting functions. This functionality makes it possible to map database performance metrics into an SLA that defines database service level objectives (SLO). Achieving service level objectives is the key to ensuring the database is able to accommodate desired transaction rates and high-volume database queries. The SLA monitoring solution will continuously analyze database performance and perform calculations to determine if the database SLA is safely in compliance, it will also determine if a SLA breach is imminent if a problem condition is allowed to persist. The SLA solution includes a color-coded SLA compliance/breach trend indicator. Alerts can be generated when the percentage of compliance decreases below a predefined threshold.

For more information, please visit **ca.com/uim**

CA Technologies (NASDAQ: CA) creates software that fuels transformation for companies and enables them to seize the opportunities of the application economy. Software is at the heart of every business, in every industry. From planning to development to management and security, CA is working with companies worldwide to change the way we live, transact and communicate – across mobile, private and public cloud, distributed and mainframe environments. Learn more at **ca.com**.