

# CA Unified Infrastructure Management for Oracle



## At a Glance

CA Unified Infrastructure Management (CA UIM, formerly CA Nimsoft Monitor) for Oracle constantly monitors the internal performance and space allocation throughout the Oracle database and feeds essential information based on pre-defined criteria to the CA UIM console for appropriate alert notification when required. An extensive range of checkpoints can be selected and individually scheduled to meet the needs of specific monitoring requirements. CA UIM is a rapidly deployed solution that requires minimal customization and administration.

### Key Benefits/Results

- **Unified visibility** – Helps pre-empt outage and degrading conditions through a single, unified platform that allows you to monitor and control your entire IT environment, both inside and outside the data center.
- **Ease-of-use** – Our “plug and play” probe architecture allows for on-demand delivery of monitoring services.
- **Speed time-to-value** – Ability to install CA UIM and deploy monitoring to more than 100 servers in less than three minutes.
- **Reduce cost and complexity** – Eliminates the cost and complexity of maintaining multiple platforms.

### Key Features

- **Customizable, real-time dashboards** – Configure service delivery information based on roles within the organization, get historical performance reports and SLA reports
- **Business metric monitoring** – Enable aggregation of monitoring data from disparate sources to provide current views of critical business services that impact customer experience.
- **Unified trending and root-cause analysis** – Quickly identifies and corrects problems across your entire IT infrastructure before they become performance issues. It also delivers Oracle alert logs, and multiple local and/or monitoring of Oracle instances.

## Business Challenges

Databases don't operate in a vacuum. Yet that's how many database monitoring platforms track performance. While it is of 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 supports.

## Solution Overview

CA UIM for Oracle is a comprehensive solution that includes the CA UIM for Oracle probe, which continuously monitors key performance metrics, and the CA UIM Oracle-logmon probe, which contains predefined watcher definitions for monitoring the Oracle® alert Log.

This CA UIM for Oracle probe will periodically scan through a configurable set of monitoring profiles and apply these checks to local or remote Oracle instances. You can tailor the configuration according to specific monitoring requirements. The probe does not modify any tables in Oracle and works with a standard Oracle installation.

CA UIM provides a comprehensive solution for improving the end-user experience. From monitoring the application response time at the desktop through monitoring the performance and availability of the entire IT infrastructure, CA UIM can give you a complete, 360 degree view of business critical services. All CA UIM information is correlated to business service dashboards and measured against pre-defined service level agreements (SLA) to warn you against SLA threatening conditions.

## Related products

In addition to CA UIM for Oracle, modules exist for other databases such as Microsoft® SQL Server, Sybase, IBM® Informix and IBM DB2. CA UIM also monitors a wide variety of platforms such as Windows, UNIX, Linux, IBM Power Systems (formerly AS/400 and iSeries) and Novell® Open Enterprise Server (formerly NetWare). These are complemented by application monitoring modules for many common applications and full management of your network infrastructure, including routers, switches and more.

## Critical Differentiators

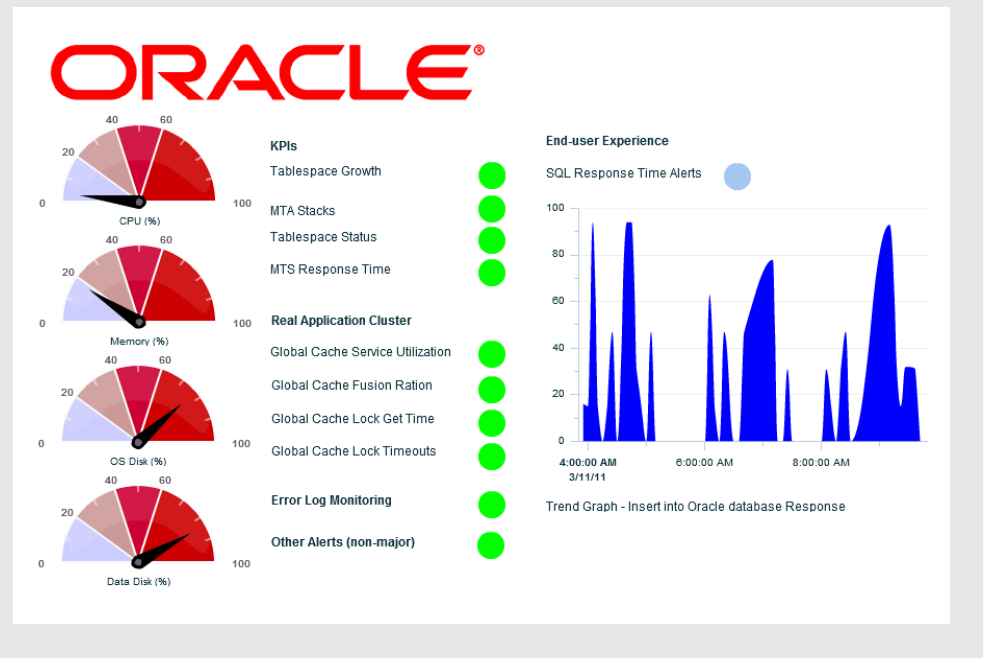
CA UIM uses a Message Bus Architecture as a core element that is streamlined, comprehensive and efficient. It enables all monitoring components to communicate with each other, without direct program-to-program connections and acts as an abstraction layer between the core system and the monitoring probes. This leads to significant improvements in reliability, scalability and development agility.

### Server-centric database monitoring:

CA UIM includes a set of specialized and platform-specific database probes. 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 key to provide insights on database server reliability, resource utilization and more.

**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.

CA UIM offers at-a-glance insights into the performance and resource utilization of Oracle databases.



### 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 key to ensure 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 an 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.

## Supported Environments

- Oracle 8.x
- Oracle 9.x
- Oracle 10.x

For more information, please visit [ca.com/uim](http://ca.com/uim)

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