

CA Unified Infrastructure Management for Linux



At a Glance

CA Unified Infrastructure Management (CA UIM, formerly CA Nimsoft Monitor) for Linux servers is a comprehensive solution that monitors, collects and analyzes performance of core Linux server components to ensure that your business-critical servers are performing optimally. The solution monitors core server resources, including CPU, memory, disk, log files as well as enabling remote starting and stopping of processes. CA UIM presents server status and performance information in real-time alarm dashboards, performance trend reports and SLA compliance reports.

Key Benefits/Results

Unified visibility. Improved network availability and performance 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. Customers can 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

Highly scalable – Can go from 100 to more than 100,000 devices that eliminates the worry of outgrowing your monitoring solution.

Customizable Dashboards – Configure service delivery information based on roles within the organization.

Business metric monitoring – Enables 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.

Business Challenges

As your Linux environment grows, it's critical for you to maximize performance and availability. Regardless of what type of Linux distribution you're using, your end users require peak performance and uptime from your Linux infrastructure for their mission-critical applications. Without a unified solution to monitor server status and resource usage, administrators can't ensure optimal performance and SLA compliance.

Solution Overview

CA UIM provides a comprehensive solution to improving the end-user experience. From monitoring the application response time at the desktop through to 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 to warn you against SLA threatening conditions. CA UIM is a rapidly deployed solution that requires minimal customization and administration.

CA UIM delivers the visibility you need track the end-to-end performance and availability of business services running in a Linux environment, whether on premise, at a service provider or in the cloud. The solution equips you with alerts, trending information and real-time intelligence on hypervisor and guest performance, so you can quickly correct issues—and prevent them from happening in the first place.

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.

CA UIM offers coverage of the following areas:

CPU, disk and memory: CA UIM provides advanced monitoring of the following CPU, disk and memory attributes:

- Computer uptime (hourly)
- CPU percent broken down by user/system/wait/idle
- Single and multiple CPUs supported, including threshold alerts, when the difference between CPUs breaches a threshold
- Disk usage in total (MB), free (MB) and used percent
- Threshold alerts can be set for free space in MB or percent and multiple disks are supported
- Memory usage and memory paging
- Processor queue length

Processes: CA UIM tracks processes and windows owned by the processes to detect error situations such as process state, memory usage or CPU usage, number of instances or threads.

File and directory monitoring: The solution monitors files in specific directories. Alarms can be sent based on number of files, age of files and space used by files.

Iostat: CA UIM collects performance data from disks, including number of reads/writes p/s, KB reads/writes p/s and queue length. The solution also tracks the number of active transactions, average service time (ms), percentage wait for service and percentage busy.

For more information, please visit ca.com/uim

CA UIM provides intuitive views of the status of Linux servers.



Related products

In addition to the CA UIM for Linux solution, CA offers solutions for other server platforms, including Windows, UNIX, IBM Power Systems servers (formerly AS/400 and iSeries) and Novell Open Enterprise Server (formerly NetWare). These are complemented by solutions for monitoring all common databases, application monitoring solutions for Exchange, Lotus Notes and other widely deployed applications and solutions for monitoring network infrastructure, including routers, switches, firewalls and more.

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