DATA SHEET

CA Unified Infrastructure Management for IBM Power Systems

At a Glance

CA Unified Infrastructure Management (CA UIM, formerly Nimsoft Monitor) for IBM Power Systems offers comprehensive monitoring coverage of IBM Power Systems servers. The solution automatically tracks message queues and log files, jobs, directory and file integrity and a range of system statistics—including processing unit, storage, users and more. All IBM Power Systems status data is analyzed and displayed in graphical alarm dashboards, performance reports and SLA compliance reports.

Key Benefits/Results

- **Unified visibility.** Provides 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.
- **Multi-tenant.** Multi-tenant architecture allows you to efficiently scale and personalize service offerings for one or many clients.

Business Challenges

In an Application Economy that depends on the efficiency and reliability of IT assets, you do not have the luxury of time to evaluate the performance of your servers and fixing any problems that may arise. IBM Power Systems servers represent a foundational technology for your organization. To maximize the performance and availability of these critical servers your team needs comprehensive, accurate and actionable data.

Solution Overview

CA UIM for IBM Power Systems aids in management productivity, system availability and achieving peak system performance. It uses five lightweight probes that run independently or concurrently to gain maximum visibility into the IBM Power Systems environment. The probes monitor message queues and log files, running jobs, directory and file integrity, as well as a range of system statistics such as processing unit, storage, users and more. Each probe has an intuitive configuration GUI that provides remote access to IBM Power Systems. The solution can generate real-time alarms when thresholds are crossed, generate performance data for both real-time and historical performance reporting and perform SLA-based monitoring with compliance reporting.

CA UIM provides a comprehensive solution for improving the end-user experience. From monitoring the application response time at the desktop through to monitoring the performance and availability of the IT infrastructure, CA UIM gives 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 SLAs to warn you against SLA-threatening conditions.

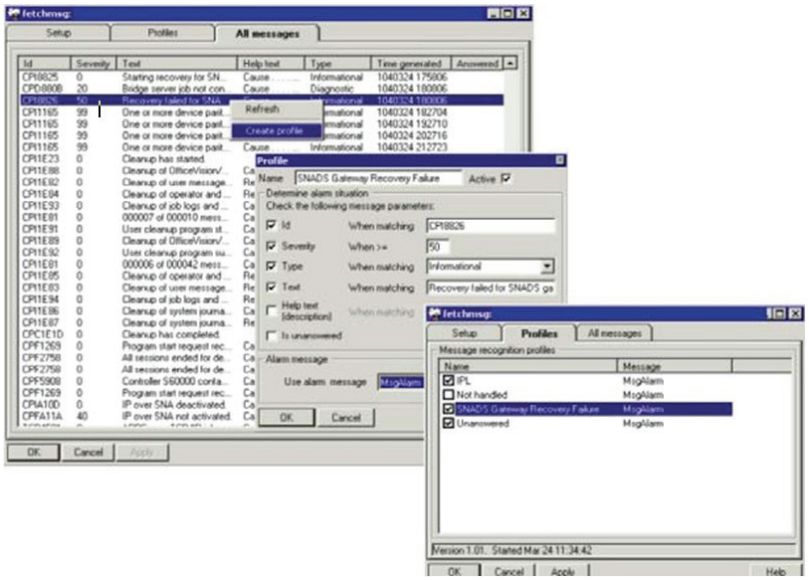
Critical Differentiators

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.

- **Message queue (QSYSOPR).** Automates system message queue monitoring and combines this function with flexible notification. This combination allows for increased polling frequency and provides system administrator mobility without concern that critical messages will be missed. Reports alarm conditions that are of high importance and require actions to be taken, such as printers out of paper, system errors, malfunctions on devices and system IPL.

- **Log file, text file.** Monitors text-based log files for entries requiring operator or system administrator intervention.
- **File and directory.** Monitors specified directories to confirm whether they exist in the file system and scans the contents of each directory to check for the existence/non-existence of files. Monitors directory and file age (newest/oldest), size (space used) and number of files.
- **Jobs.** Monitors jobs to determine if they are running/not running, number of instances per job. Monitors include: job name, job type, job subtype, active status, job owner, processing units used, temporary storage used, job description, job queue name and sub-system description.
- **Statistics.** Retrieves a group of statistics (SSTS0100 and SSTS0200 formats) for system status: Number of users— currently signed on/off with print files waiting; jobs temporarily suspended by group jobs or system request jobs; number of batch jobs—currently running, held waiting and ended; percentage of maximum addresses used for permanent and temporary objects; usage of the processing unit, storage capacity and system ASP; current number of system and user jobs.
- **Total jobs.** Monitors total number of user jobs and system jobs currently in the system. The total includes all jobs on job queues waiting to be processed, active (being processed) and completed (running but still have output on output queues to be produced).
- **Batch jobs.** Batch jobs waiting for messages, ended with pending printer output, number of jobs ending due to one of the following conditions: finishes processing normally, ends before completion, jobs held while running, jobs running, waiting to run or already scheduled, jobs held on a job queue, held job queue and unassigned job queue.
- **User.** Monitors users currently signed on, temporarily signed off, suspended by system request/group jobs and signed off with printer output waiting to print.
- **Processing unit.** Percent processing unit used, percent DB capability— maximum CPU utilization available for database processing on this server.
- **Address monitor.** Percent permanent addresses and percent temporary addresses.
- **Storage monitor.** Main storage size, current unprotected storage used, maximum unprotected storage used, total system Auxiliary Storage Pool (ASP) and percent system ASP used.
- **OS400 version support.** OS400 V4.5 or higher.
- **Mail traffic analysis.** Mail count and size.

CA UIM for IBM Power Systems gathers a wealth of availability and performance metrics that help team members get the information they need—when they need it.



- **Internet Protocols monitored.** POP, SMTP and IMAP.
- **Customizable alert messages and flexible alert notification.** Cell, SMS, pager, email and more.

Related products

In addition to CA UIM for IBM Power Systems, modules exist for other server platforms such as Windows, Linux, UNIX and Novell Open Enterprise Server (formerly NetWare). These are complemented by modules for all common databases, modules for Exchange, Lotus Notes and other widely deployed applications and modules for full management of your network infrastructure, including routers, switches and firewalls.

CA UIM is a rapidly deployed solution that requires minimal customization and administration.

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

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