

# Nimsoft Monitor for Power Systems

## Monitor Server Performance and Availability

### Features

- Automated 24x7 system health check monitoring
- Automated data collection for historical performance reporting and trend analysis
- Automated SLA-based performance monitoring and service compliance reporting
- Highly customizable dashboards, performance, trend, and service level reports
- Real-time service and technology dashboards
- E-mail, pager, SMS

### Benefits

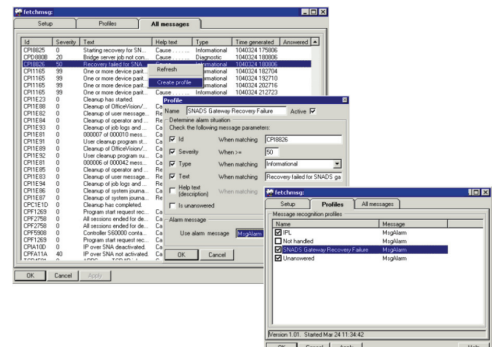
- Short time to value
- Increase the productivity of your IT resources
- Adaptable to monitor any iSeries environment
- Helps consolidate system resources and distribute load evenly
- Increase end-user productivity and response time

### Introduction

Nimsoft Monitor automatically monitors IBM Power Systems servers (formerly AS/400 and iSeries) message queues and log files, jobs, directory, and file integrity, plus monitoring for a myriad of system statistics, such as processing unit, storage, users, and more. All Power Systems status data is analyzed and displayed in graphical alarm dashboards, performance reports, and SLA compliance reports.

### The Solution

Nimsoft Monitor for Power Systems aids in management productivity, system availability and achieving peak system performance. Five Nimsoft Monitor probes run independently or concurrently for maximum visibility into the Power Systems environment. The probes monitor message queues and log files, running jobs, directory, and file integrity, plus monitoring for a myriad of system statistics such as processing unit, storage, users, and more. Each probe has an intuitive configuration GUI that provides remote access to Power Systems systems—examples of each probe GUI are included throughout this solution overview. Nimsoft Monitor 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.



### Part of the Nimsoft Monitor Family

Nimsoft Monitor 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, Nimsoft Monitor is the only product that can give you a complete 360 degree view of business critical services. All Nimsoft Monitor information is correlated to business service dashboards and measured against pre-defined service level agreements (SLA) to warn you against SLA threatening conditions.

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

Nimsoft Monitor is a rapidly deployed solution that requires minimal customization and administration.

## Functional Subsystem Monitors

- Message Queue (OQSYOPR)—The probe automates system message queue monitoring and combines this function with flexible notification. This combination allows for increased polling frequency and provides system administrator's 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, malfunction on devices, system IPL.
- Log File, Text File—The Power Systems Log File Probe will monitor text-based log files for entries requiring operator or system administrator intervention.
- File and Directory—Monitors specified directories to ensure they exist (or don't 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, 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 that are currently in the system. The total includes: All jobs on job queues waiting to be processed, active (being processed), 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, unassigned job queue.
- User—Users currently signed on, temporarily signed off, users suspended by system request/group jobs, users signed off with printer output waiting to print.
- Processing Unit—% Processing unit used, % DB capability—maximum CPU utilization available for database processing on this server.
- Address Monitor—% Permanent addresses, % Temporary addresses.
- Storage Monitor—Main storage size, current unprotected storage used, maximum unprotected storage used, total system ASP (Auxiliary Storage Pool), % System ASP used.
- OS400 Version Support—OS400 V4.5 or higher
- Mail traffic analysis—mail count and size.
- Internet Protocols monitored—POP, SMTP, and IMAP
- Customizable alert messages and flexible alert notification (i.e. cell, SMS, pager, e-mail, and more).



## About Nimsoft

Nimsoft is a global leader in IT Management-as-a-Service. The company's lightweight ITMaaS solutions make it easy for enterprises and service providers to implement comprehensive, adaptable monitoring and service desk capabilities essential for managing today's dynamic computing environments. Learn more at [www.nimsoft.com](http://www.nimsoft.com).

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