CA Unified Infrastructure Management for IBM System Storage

At a Glance

Your IBM storage represents a vital underpinning component to your infrastructure. If a single system's performance suffers, a lot of users, and the entire business, can take a hit. CA Unified Infrastructure Management (CA UIM, formerly CA Nimsoft Monitor) for IBM System Storage provides the comprehensive coverage and monitoring insights you need to proactively manage IBM performance and deliver maximum up time.

Key Benefits/Results

- Reduce administrative effort and costs for monitoring IBM System Storage

- Optimize utilization of storage resources

- Maximize storage availability, minimize downtime and improve SLAs for storage-dependent services

- Demonstrate storage value through reports and views of usage information, trends and SLAs

- Streamline storage administration with a single tool for IBM, EMC and NetApp storage

Key Features

- Detailed events, alerts and performance information

- Automatic storage configuration discovery

- Automatically apply monitoring by template to storage elements

- Combine with physical and virtual storage monitoring to get complete views of business service performance

Business Challenges

Deployed in demanding, large-scale enterprises, IBM System Storage represents a fundamental element in the increasingly interrelated IT infrastructure. If these storage systems should falter, a host of related systems—including servers, applications, databases and the users that rely on these systems—can also encounter serious issues.

To optimize storage delivery and maintain uptime and operating SLAs for this complex environment, you need detailed events, alerts, performance and usage information. However, the information by itself is not enough—it must also be presented in a way that allows quick outage identification and an easy grasp of significant usage patterns. Further, while the performance of IBM systems is vital, the time and budget of your IT staff also represent precious commodities. Fundamentally, you need a fast, effective and efficient way to monitor and manage your IBM storage and the associated infrastructure.

Solution Overview

CA UIM for IBM System Storage provides the monitoring capabilities you need to pinpoint the cause of outages so you can fix them quickly. Further, the solution helps you track usage information and identify trends so you can tune performance and prevent issues.

CA UIM provides the events, alarms, performance data, displays, workflow and correlation features you need to comprehensively monitor IBM storage environments. With CA UIM, you can:

- Rapidly identify and correct storage related outages
- Prevent problems before they happen by applying intelligent thresholds to metrics
- Optimize storage allocations by tracking storage usage and relating that to applications and business services
- Automatically identify, deploy and configure monitoring for storage components and elements
- Monitor and manage not only IBM storage, but all the operating systems, virtualization environments, networks, business applications and critical IT services that depend upon that storage.

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.
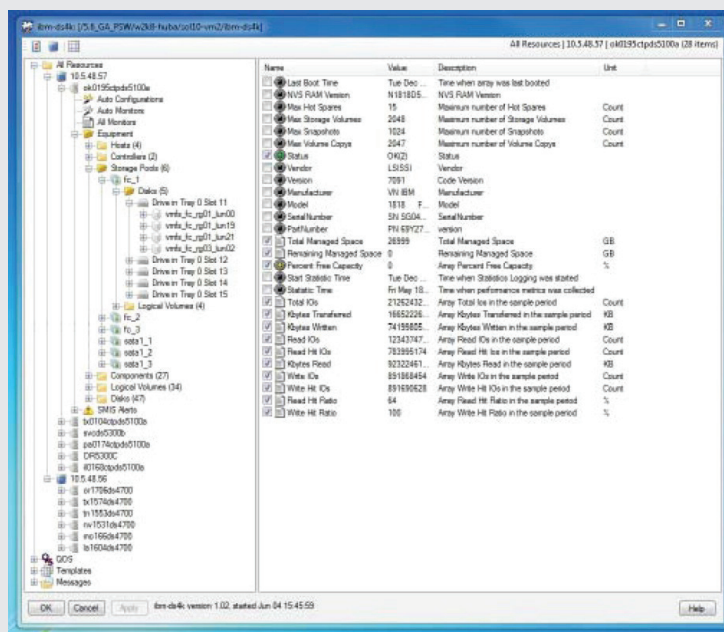
Compete monitoring coverage

Supporting IBM DS 3 and 4 series System Storage platforms, CA UIM collects hundreds of metrics, including detailed information on events, alerts and performance in the following areas:

- Array
- Controllers
- Ports
- Hosts
- Disks
- Storage pools
- Logical volumes

Templates enable automated monitoring

CA UIM features templates that allow you to define reusable sets of monitors that can automatically be applied to IBM Storage System components. With this solution, you can define a set of checkpoints for a template, and then initiate the monitoring of those checkpoints simply by using the interface to drag and drop the template into the appropriate folder.

CA UIM for IBM System Storage provides extensive monitoring coverage of the storage infrastructure.

Related Products/Solutions

CA UIM features broad IT infrastructure monitoring coverage and a modular service desk solution. CA UIM provides a complete view of not only your storage environment, but of the complete application and infrastructure stacks that support your IT business services. With its coverage of applications, operating systems, virtual environments, networks, servers and much more, CA UIM eliminates the need for multiple, siloed monitoring solutions. In addition, CA UIM is integrated with CA Cloud Service Management, a platform that provides modularly connected, ITIL compliant, problem resolution capabilities

and workflows. Through its integration with CA Cloud Service Management, CA UIM alarms can automatically generate service desk tickets. For example, if an issue arises in the IBM System Storage environment, a CA UIM alert can be generated that utomatically opens a ticket in CA Cloud Service Management, with all escalation and routing rules instantly applied, and all relevant details attached.

Supported environments

CA UIM for IBM System Storage supports the following platforms:

- DS3xxx and DS4xxx Series

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