

CA Unified Infrastructure Management for NetApp



At a Glance

CA Unified Infrastructure Management (CA UIM, formerly CA Nimsoft Monitor) for NetApp is a complete solution to integrated monitoring for the health and performance of NetApp storage solutions. The solution also improves the efficiency of storage usage—providing the information organizations need to pinpoint and quickly remediate outages caused by their storage environment and to prevent outages before they occur.

Key Benefits/Results

- Reduce administrative effort and costs for monitoring NetApp storage.
- Optimize utilization of scarce storage resources.
- Prevent downtime and improve SLAs for applications that depend on storage availability.
- Show storage value delivered with reports and views of usage information, trends and SLAs.
- Streamline storage administration with a single tool for EMC, NetApp and local storage.

Key Features

- Detailed events, alerts and performance metrics for file systems, data movers, storage devices, physical enclosures, disks, RAID configurations and network connections.
- Automatically discovers storage configuration and auto-applies monitoring by template.
- Usage metering maps storage usage to customers and stakeholders.
- Provides correlation and full business service views for applications and business services.

Business Challenges

The needs of new mission applications and services in an application economy has led to complex IT Infrastructures as a result of virtualization, increased computing and storage density. As a result of these changes, single, siloed tool sets are too expensive and too complex to maintain and integrate.

Modular solutions are required. Solutions that encompass complete sets of physical environmental elements (storage, servers, networks, etc.), virtual environments, applications, critical services and multiple IT management disciplines.

Solution Overview

NetApp administrators have great flexibility in the way they configure their storage environment and the additional tools that they employ. This includes file or block storage orientations, mirroring, backup configuration, quotas and soft quotas and much more. To optimize storage delivery and maintain uptime and operating SLAs for this complex environment requires detailed events, alerts, performance and usage information. But 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.

CA UIM for NetApp provides the solution to this problem, allowing pinpoint identification of outages, proactive trends and usage information to prevent them and easily identified usage patterns that allow tuning for optimum usage.

Make the Best Use of Your NetApp Storage

Configuration and use of NetApp storage is as varied as the businesses and applications these enterprise-class solutions support. This includes storage tier allocations, application specific optimization, virtual environment configuration, mainframe support and more.

For optimization and efficient operation of these critical environments, detailed performance and usage information needs to be captured and presented, providing a quick grasp of status and trend information. This allows administrators to quickly configure and re-configure the solution for minimal down time.

CA UIM provides not only the events and alarms—and the associated capability to quickly identify and remediate problems—but also the extended performance and usage data that allows administrators to optimally configure storage for future needs.

Critical Differentiators

CA UIM uses a message bus architecture that is streamlined, comprehensive and efficient. The message bus is a core element of the platform. Together with the associated application programming interfaces (APIs) and software development kit (SDK), the message bus enables all monitoring components to communicate with each other, without direct program-to-program connections. The message bus acts as an abstraction layer that resides between the core system and the monitoring probes and between the various monitoring probes. This leads to significant improvements in reliability, scalability and development agility. The single, unified architecture enables administrators to proactively monitor the quality of service delivered, offering support for traditional data centers and virtualization and cloud environments.

- 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 NetApp storage, but all the operating systems, virtualization environments, networks, business applications and critical IT services that depend upon that storage

CA UIM provides at-a-glance views of a range of critical NetApp performance metrics.



Related Products/Solutions

The CA UIM portal provides broad IT infrastructure monitoring coverage and a modular service desk solution. CA UIM coverage of applications, operating systems, virtual environments, networks, servers and much more replaces the need for multiple, siloed monitoring solutions. It provides a complete view of not only your storage environment, but of the complete application and infrastructure stacks that support your IT business services.

CA Cloud Service Management provides the modularly connected, ITIL compliant, problem resolution and processes to act on critical monitoring information with best practices and automation.

The result is fewer outages, more easily maintained service levels, accelerated problem resolution and efficient support processes—without the need to build and maintain integration.

Supported Environments

FAS2020/2030; FAS3020; FSA3270 (including Flexpod configuration)

For more information, please visit ca.com/uim

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