

CA Unified Infrastructure Management for EMC



At a Glance

CA Unified Infrastructure Management (CA UIM, formerly CA Nimsoft Monitor) for EMC provides robust EMC monitoring capabilities and in-depth coverage to help you prevent outages, quickly pinpoint system issues and optimize storage usage. With detailed alarms, events and performance information, this EMC monitoring software can boost the availability and uptime of your EMC storage environment and streamline monitoring administration. This storage monitoring supports MC Celerra CLARiiON® and Symmetrix® VMAX™ platforms.

Key Benefits/Results

- Reduce administrative effort and costs for monitoring EMC 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 environments.

Key Features

- Detailed events, alerts and performance information.
- Automatic storage configuration discovery.
- Auto-apply monitoring by template to storage elements.
- Combine with NetApp, Cisco UCS, physical and virtual storage monitoring for a complete view of storage status.
- Correlate business service views of servers, virtual environments, applications relying on the storage environment.

Business Challenges

EMC storage is complex, supporting environments from mainframes to desktops and every flavor of server, application, cloud and business service. But when you need to maintain the performance and availability of that storage, and of the business services that depend on it, you need a monitoring solution that makes it easy.

Solution Overview

CA UIM for EMC enables you to quickly identify root causes for outages, to proactively prevent them and to easily identify usage patterns that allow tuning for optimum usage. The solution includes:

- In depth metrics and performance data for EMC storage platforms
- Automatic discovery of storage configuration
- Automatic application of monitoring by template
- Automatic generation of reports and views by template

This combination enables in-depth visibility, proactive outage prevention, accurate responses to problems and optimal resource allocation.

Comprehensive, integrated monitoring for EMC storage

Supporting EMC Celerra, CLARiiON and VMAX/Symmetrix storage platforms, CA UIM provides the events, alarms, performance data, displays, workflow and correlation features that allow you to:

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

Making the best use of your EMC storage

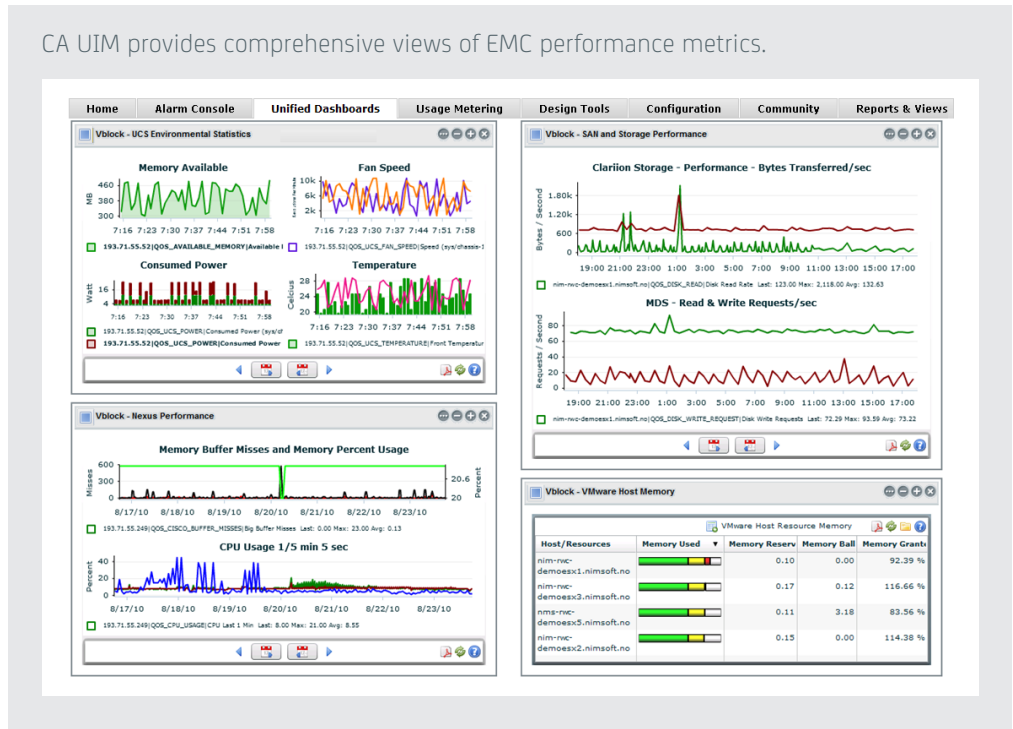
Configuration and use of EMC storage is as varied as the businesses and applications these enterprise-class solutions support. This includes storage tier allocations, application specific optimization, virtual environment configuration, mainframe support and more.

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

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 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.

Metrics collected (see technical documentation for a complete listing of metrics) include detailed information on events, alerts and performance in the following areas:



CA UIM provides comprehensive views of EMC performance metrics.

- **Symmetrix VMAX metric areas**—Devices, disk groups, director, disks, device pools, ports and arrays.
- **CLARiiON metric areas**—System, storage processor, disks, PSUs, LUNs, MetaLUNs, RAID groups, thin pool, fast cache.
- **Celerra metric areas**—Data movers, storage system/sub-system, storage volumes, file systems, network, quality of service.

Related Products/Solutions

To meet commitments for uptime and SLAs for business critical applications and services you need modular solutions. The first step is a complete monitoring solution that covers all the elements of your infrastructure—including storage,

network, servers and much more. Multiple, siloed solutions only result in high costs, and slow response times—one solution for your storage environment, one for your traditional servers, one for each of your applications, another for your virtualization environment and so on. Combine a complete monitoring solution with CA Cloud Service Management functionality to accelerate problem resolution and efficiently support processes—without the need to build and maintain integration.

Supported Environments

- EMC CLARiiON CX4 series
- EMC Celerra NS-G2, NS-480
- EMC Symmetrix VMAX

For more information, please visit ca.com/uim

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