

CA Unified Infrastructure Management for VMware



At a Glance

CA Unified Infrastructure Management for VMware (CA UIM, formerly CA Nimsoft Monitor) addresses the requirements for effectively monitoring VMware, delivering VMware intelligence needed to ensure monitoring continuity, offering automated correlation of physical and virtual resources and providing automation of monitoring configuration, deployment and display. CA Unified Infrastructure Management offers the automation that makes it practical to monitor VMware environments. Consequently, customers can minimize the administrative effort required to monitor VMware and associated environments, while ensuring administrators get the meaningful monitoring information they need.

Key Benefits/Results

- Proactive problem resolution, and fast detection and correction of issues when they occur
- Reduced administrative effort and costs
- High levels of performance and availability
- Reduced downtime and improved SLA compliance

Key Features

- **Alerts, trending, and real-time intelligence** – Quickly identifies and corrects problems across your entire IT infrastructure before they become performance issues
- **Configurable templates** – Enables you to get up and running faster
- **Complete monitoring** – Separation view of all business services, whether in VMware, the data center, private clouds or public clouds
- **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.

Business Challenges

With more than 190,000 customers, including 100 percent of the Fortune 100, VMware has enjoyed market adoption that few organizations could rival. Further, VMware is a central foundation technology in both enterprise IT infrastructures and today's emerging cloud environments. However, once VMware has been deployed, many organizations encounter challenges when it comes to ensuring optimal performance of the business services that are running in these virtualized environments. Given the dynamic nature of VMware environments, it simply isn't practical for administrators to manually configure, deploy or update monitoring settings each time resources come online, migrate to another physical platform or are decommissioned.

Solution Overview

CA Unified Infrastructure Management for VMware offers the sophisticated, comprehensive and efficient monitoring capabilities that enable administrators to ensure their virtualized IT infrastructures deliver the highest levels of availability and performance. CA UIM offers the alerts, trending information and real-time intelligence administrators need to prevent problems and quickly correct issues when they occur. CA UIM makes it practical and efficient to proactively monitor and manage VMware environments—so organizations can fully leverage the performance, agility and cost benefits of virtualized infrastructures.

Automated discovery, configuration, display

CA UIM offers a range of automation capabilities that make it ideally suited to dynamic, virtualized environments:

- **Automated alerts.** CA UIM can automatically generate alerts and historical quality of service information based on VMware environment metrics, including basic VM and ESX/ESXi host metrics, VM guest metrics and vMotion, HA and DRS information.
- **Automated discovery and association.** Using native vSphere APIs, CA UIM can automatically discover and associate VMware ESX and ESXi hosts and their guest OSs.
- **Automatic configuration and application of monitoring.** CA UIM enables administrators to develop monitoring templates that support the automated configuration and deployment of monitoring. With CA UIM, administrators can configure templates based on such VMware guest parameters as host name, IP address and MAC address.

Solution Overview (continued)

Automated updates of displays and reports: CA UIM offers out-of-the-box reports and portlets specific to VMware environments. CA UIM offers templates that can automatically populate information for VM guests as they come online, and to display the status of VM host resources and associated VM guest resources. CA UIM offers complete support for vSphere metrics, including resource pools, as well as extended host and VM resource information.

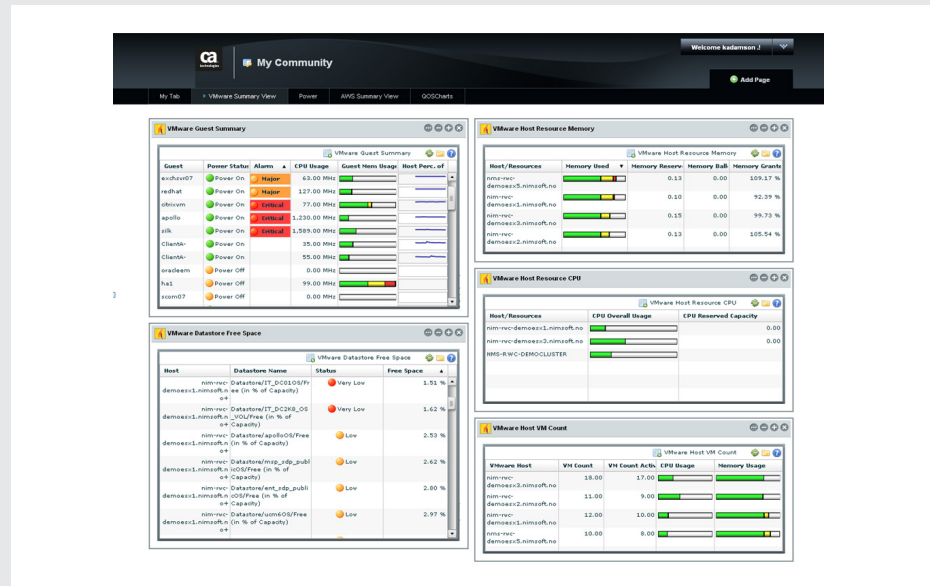
A range of VMware metrics

CA UIM provides a variety of metrics on VMware including the state of systems, power, memory, network, network devices, disks, events, CPU utilization, reserved CPU, vCenter Server, end-user response time, sensor health and resource status.

Critical Differentiators

Unified view of the entire data center and the cloud: VMware environments represent an interrelated ecosystem, and business services rely on every layer and subsystem to perform optimally. To monitor these environments effectively, administrators need a unified, cohesive view of the entire environment. The CA Unified Infrastructure Management family of solutions is built on a unified architecture that enables monitoring of network devices, hardware, virtualization components, applications and end user response. In addition, CA UIM can monitor

CA UIM provides fully integrated monitoring of VMware deployments.



externally hosted cloud deployments, and converged infrastructure packages like Vblock. Thus, with CA UIM administrators can effectively monitor any environment that supports a business service.

Track and communicate value of IT and virtualization: To understand and communicate the business value of VMware environments, IT needs to be able to track resource usage by groups and applications. CA UIM platform enables IT teams to accurately track, and report on, the usage, cost and value of the virtualized infrastructure.

Broad monitoring integration: Given the vital role it plays in VMware environments, monitoring needs to be fully integrated with

existing systems and processes, including management, reporting, security and more. The CA UIM platform offers flexible APIs and customization capabilities that enable organizations to maximize integration across all layers of monitoring, including data, message bus, operations and presentation layer. With CA UIM event and threshold data can be shared through direct integration with SMS, email, service desk and CMDB applications. In addition, CA UIM features software development kits (SDKs) in several programming languages—including Perl, C/C++, VB/VB script, .NET and Lua—that enable efficient development of custom data collectors.

For more information, please visit ca.com/uim

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