CA Nimsoft Monitor for VMware

agility
made possible™

CA technologies

At a Glance

CA Nimsoft Monitor for VMware 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 Nimsoft Monitor 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 prevention, 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

Configurable templates

Complete monitoring view of all business services, whether in VMware, the data center, private clouds or public clouds

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 Nimsoft Monitor 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 Nimsoft Monitor offers the alerts, trending information and real-time intelligence administrators need to prevent problems and quickly correct issues when they occur. CA Nimsoft Monitor 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 Nimsoft Monitor offers a range of automation capabilities that make it ideally suited to dynamic, virtualized environments:

- **Automated alerts:** CA Nimsoft Monitor 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 Nimsoft Monitor can automatically discover and associate VMware ESX and ESXi hosts and their guest OSs.
- **Automatic configuration and application of monitoring:** CA Nimsoft Monitor enables administrators to develop monitoring templates that support the automated configuration

CA Nimsoft Monitor provides fully integrated monitoring of VMware deployments.

and deployment of monitoring. With CA Nimsoft Monitor, administrators can configure templates based on such VMware guest parameters as host name, IP address and MAC address.

- **Automated updates of displays and reports:** CA Nimsoft Monitor offers out-of-the-box reports and portlets specific to VMware environments. CA Nimsoft Monitor 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 Nimsoft Monitor offers complete support for vSphere metrics, including resource pools, as well as extended host and VM resource information.

A range of VMware metrics

CA Nimsoft Monitor 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 Nimsoft Monitor 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 Nimsoft Monitor can monitor externally hosted cloud deployments, and converged infrastructure packages like Vblock. Thus, with CA Nimsoft Monitor, 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 Nimsoft Monitor 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. CA Nimsoft Monitor 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 Nimsoft Monitor, event and threshold data can be shared through direct integration with SMS, email, service desk and CMDB applications. In addition, CA Nimsoft Monitor 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/nimsoft**