

CA Unified Infrastructure Management for Citrix CloudPlatform (Powered by Apache CloudStack)



At a Glance

CA Unified Infrastructure Management (CA UIM, formerly CA Nimsoft Monitor) for Citrix CloudPlatform offers the monitoring capabilities that administrators need to establish the highest levels of availability and performance of their Citrix CloudPlatform deployments. With CA UIM, administrators can track the end-to-end performance and availability of all the elements and layers within Citrix CloudPlatform environments.

Key Benefits/Results

- Accelerate identification of performance issues, optimize service levels and improve SLA compliance
- Streamline monitoring administration in complex, dynamic virtual data centers powered by Citrix CloudPlatform
- Institute client and department charge backs through detailed resource usage metrics
- Optimize and alarm on the resource utilization through effective baselines and intelligent service levels trend analysis

Key Features

- Discovers and monitors all physical, logical and virtual components inside and outside of Citrix CloudPlatform
- Automated discovery, monitoring, deployment, configuration and data aggregation
- Advanced policy templates enable to automate monitor deployment for virtualized resources
- Correlated monitoring of elements within the Citrix CloudPlatform hierarchy
- Comprehensive, multi-tenant views of performance, availability and resource usage

Business Challenges

Organizations employ virtualization because it provides resource efficiency, scalability and agility. Citrix CloudPlatform adds another dimension of flexibility and control to these environments, but it introduces more layers of abstraction and complexity. Given their complex and highly dynamic nature—with constantly shifting workloads and resources coming on and offline—Citrix CloudPlatform infrastructures present new monitoring challenges that make it difficult to track and optimize service levels. To meet their service level commitments while fully leveraging the benefits of Citrix CloudPlatform environments, organizations need comprehensive, automated and efficient monitoring capabilities.

Solution Overview

CA UIM for Citrix CloudPlatform provides the coverage, insights and automation that administrators need to practically and efficiently monitor dynamic Citrix CloudPlatform infrastructures, along with the cloud services being delivered. CA UIM can collect capacity and performance data from across one or more Citrix CloudPlatform implementations at customizable intervals whether virtual data centers are on-premises, running at a service provider or a combination of the two. CA UIM uniquely interprets and correlates the information and combines it with monitoring information from other systems, networks and storage to deliver a complete picture of the health of the environment.

Critical Differentiators

Message Bus Architecture: 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.

Comprehensive coverage:

Equips administrators with correlated monitoring of elements within the Citrix CloudPlatform hierarchy, including in-depth visibility of virtualized machines, applications and their underlying physical resources.

Powerful, actionable insights:

Delivers multi-tenant views of performance, availability, utilization and usage across multiple Citrix CloudPlatform-based environments.

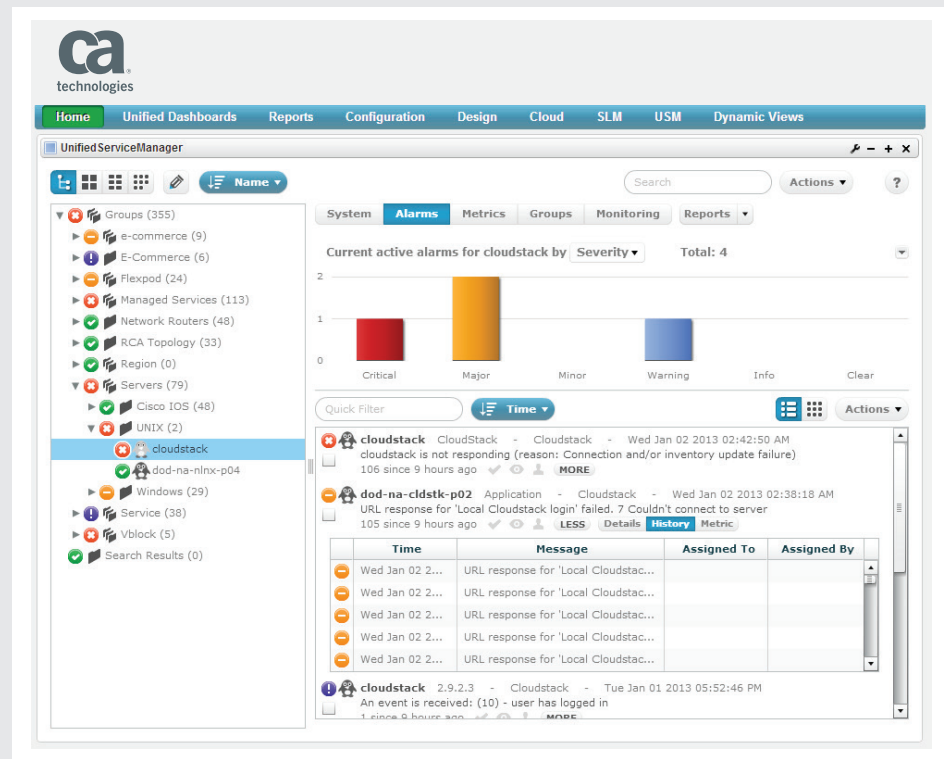
Automated, efficient operation:

Automates common monitoring and data collection tasks, so you can focus on addressing problems as they arise—and preventing them from happening in the first place.

Monitoring capabilities:

Comprehensive Citrix CloudPlatform coverage includes Citrix CloudPlatform compute and storage discovery and metrics, logs on Zones, Pods, Clusters, Hosts and VM templates.

CA UIM for Citrix CloudPlatform



Granular metric collections and correlated views:

Accesses multi-dimensional and multi-stacks visibility to rack resource usage by organizations, groups and zones, pods, clusters, hosts and VM instances.

Efficient administration:

Agent optional monitoring for Citrix CloudPlatform environments to leverage predefined quality of service monitoring metrics makes it easy to use, deploy and operate.

Supported Environments

- CloudStack 2.2
- CloudStack 3.0.x
- Citrix CloudPlatform (Powered by Apache Cloudstack 3.0.x)

For more information, please visit ca.com/uim

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