

# CA Unified Infrastructure Management for Red Hat Enterprise Virtualization



## At a Glance

CA Unified Infrastructure Management (CA UIM, formerly CA Nimsoft Monitor) for Red Hat Enterprise Virtualization offers a comprehensive solution for managing events, alarms and performance within Red Hat® Enterprise Virtualization environments. This Red Hat performance monitoring solution is designed to ensure peak system levels with features such as alerts, trending and real-time intelligence support.

### Key Benefits/Results

- **Unified visibility.** Improved network availability and performance through a single, unified platform that allows you to monitor and control your entire IT environment, both inside and outside the data center.
- **Ease-of-use.** Our “plug and play” probe architecture allows for on-demand delivery of monitoring services.
- **Speed time-to-value.** Ability to install CA UIM and deploy monitoring to more than 100 servers in less than three minutes.
- **Reduce cost and complexity.** Eliminates the cost and complexity of maintaining multiple platforms.

### Key Features

- Granular, correlated views of multiple virtualized Red Hat Enterprise Virtualization environments
- Automated discovery of Red Hat Enterprise Virtualization hypervisors, hosts, storage domains and virtual machines
- Automated configuration and monitoring of elastic resources
- Unified dashboards with drilldown views of performance, availability and consumption
- Resource usage metrics, enabling departmental and client billing

## Business Challenges

Red Hat Enterprise Virtualization is a powerful enterprise-ready, open-source virtualization platform that enables organizations to leverage the benefits of virtualization, while speeding return on investment, reducing total cost of ownership and avoiding vendor lock-in.

When virtualization platforms like Red Hat Enterprise Virtualization are implemented, however, it dramatically increases the complexity of monitoring business applications and the infrastructure upon which they rely. With workloads constantly migrating across physical and virtual resources, how do you efficiently track and manage performance? How do you mitigate virtual machine sprawl, while ensuring adequate capacity when deploying your virtualized data center? How can you ensure that the virtualized infrastructure and all the applications that run in this virtual environment are optimized?

## Solution Overview

CA UIM for Red Hat Enterprise Virtualization offers the comprehensive monitoring capabilities you need to ensure your Red Hat Enterprise Virtualization infrastructures deliver the highest levels of availability and performance. The automated, intelligent monitoring capabilities in CA UIM enable you to efficiently and effectively track dynamic Red Hat Enterprise Virtualization environments, and the physical infrastructure that underpins them.

CA UIM delivers the visibility you need track the end-to-end performance and availability of business services running in Red Hat Enterprise Virtualization environments, whether on premise, at a service provider or in the cloud. The solution equips you with alerts, trending information and real-time intelligence on hypervisor and guest performance, so you can quickly correct issues—and prevent them from happening in the first place. With these capabilities, CA UIM helps you fully leverage the performance, agility and cost benefits of Red Hat Enterprise Virtualization investments.

## 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.

**Comprehensive Coverage:** CA UIM equips you with correlated monitoring of elements within the Red Hat Enterprise Virtualization hierarchy, including in-depth visibility of Red Hat Enterprise Virtualization hypervisors, virtualized machines and applications. Plus, through its integration with the CA family of monitoring solutions, you can gain a unified view not only of the entire Red Hat environment, but also of the end user experience, applications and the underlying physical and network infrastructure.

**Powerful Actionable Insights:** CA UIM delivers multi-tenant views of performance, availability and usage across multiple Red Hat Enterprise Virtualization-based environments.

- Speeds analysis and response. Monitoring data can automatically be imported into the CA UIM Portal, where it can be used to generate alarms, long-term trend reports, SLA reports, business dashboards and on demand portals.
- Fosters intelligent analysis. CA UIM provides the capabilities you need to not only track current performance status, but to use historical data to establish effective baselines, perform intelligent trend analysis, forecast resource requirements and detect and preempt issues before they result in outages.
- Enables usage-based billing. By offering detailed resource usage metrics, CA UIM makes it easy to do departmental or client billing based on actual consumption.

## Related Products/Solutions

In addition to CA UIM for RedHat, the CA Unified Infrastructure Management family of solutions include Apache Tomcat, BEA WebLogic, IBM WebSphere, Microsoft Active Directory, Citrix, JBoss, Microsoft Exchange, Microsoft IIS, IBM Notes, SAP R/3 and other widely deployed applications. These are complemented by database modules for IBM DB/2, IBM Informix, Oracle, Microsoft SQL Server and Sybase ASE; server platform solutions for Windows, UNIX, Linux, AS400/ iSeries and Novell Netware; and solutions for managing network infrastructure, including routers, switches and firewalls.

For more information, please visit [ca.com/uim](http://ca.com/uim)

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