

# Nimsoft Monitor for Private Cloud

## Complete Visibility that Enhances Service Levels, Efficiency, and Value

### Features

- Offers complete monitoring views of private clouds—including networks, physical servers, virtualized components, applications, and end user performance.
- Automates configuration, deployment, and reporting—ensuring effective visibility of virtualized environments.
- Provides the granular, correlated views needed to ensure complex, mission-critical business services deliver the performance and availability required.

### Benefits

- Set and keep SLAs for critical IT business services hosted within the cloud.
- Maximize utilization of cloud resources in order to support more users, applications, and VMs.
- Streamline monitoring administration.
- Better track and demonstrate the business value of IT and private clouds.

### Introduction

Private cloud deployments are gaining an increasingly prominent presence in enterprises today. By employing private clouds, organizations are looking to enjoy a range of benefits. For example, by enabling business units to turn up new services quickly, organizations can better respond to new challenges and opportunities. Further, private clouds can also provide automation and self-service capabilities that streamline a host of administrative efforts.

While initial private cloud deployments were often used for basic applications and services—such as development and test environments, demo environments, or file and print services—today, private clouds underpin such complex, mission-critical applications and services as email, databases, ERP applications, production e-commerce sites, and more. Consequently, ensuring optimal service levels is an increasingly critical imperative.

To monitor and manage service levels in private cloud environments, IT administrators need intelligent monitoring capabilities that offer an awareness of the status of physical and virtual elements, and of entire, multi-server application services. However, these objectives can be hampered by many of the inherent characteristics of private cloud environments:

- **Dense.** Private clouds are built on dense, processing-intensive environments that make it difficult to gain the monitoring visibility required.
- **Dynamic.** The virtualized nature of private clouds, where services and workloads can be in a constant state of flux, makes traditional manual monitoring approaches impractical.
- **User driven.** The self-service, automated nature of new service delivery in private clouds makes it difficult to measure, improve, and demonstrate the business value of IT services.
- **Complex.** The mission-critical nature of services running in private clouds, and the fact that they are comprised of an array of physical and virtualized resources, demand a detailed monitoring view to ensure requisite service levels are attained.

## Introducing Nimsoft Monitor

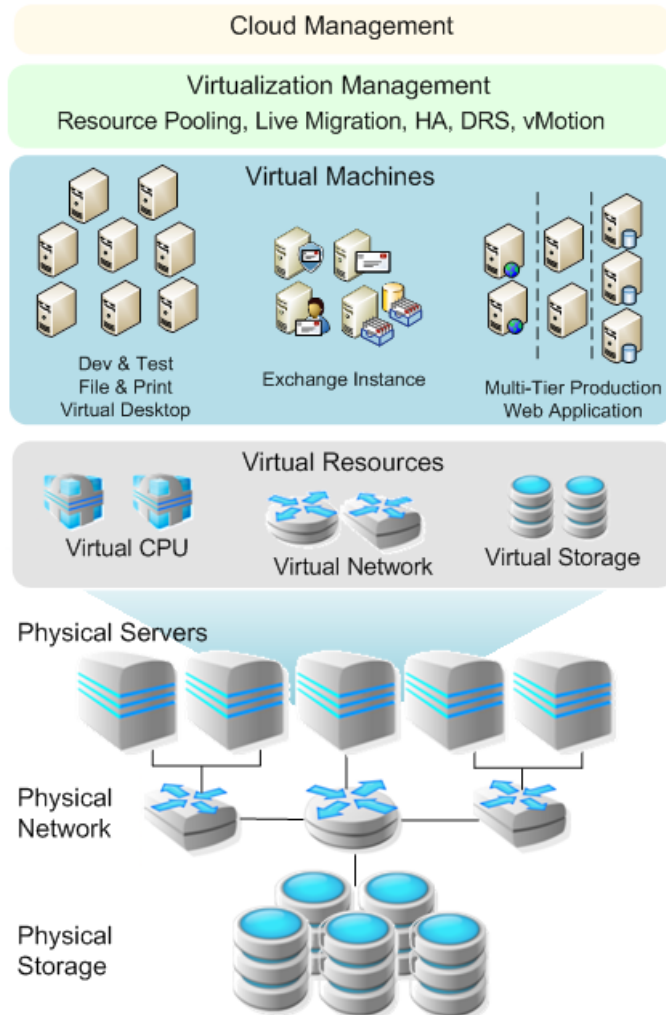
Nimsoft offers enterprises a comprehensive and sophisticated, yet easy-to-deploy solution for monitoring private cloud environments. With Nimsoft Monitor, businesses get all the capabilities they need to address the challenges of monitoring private clouds. With these capabilities, organizations can...

- Ensure optimal service levels.
- Streamline monitoring administration.
- Better track and demonstrate the business value of IT and private cloud investments.

### Ensure Optimal Service Levels

Nimsoft Monitor represents a single solution that offers complete monitoring visibility into private cloud environments—with capabilities for monitoring network devices, physical servers, virtualization components, applications, and end user response times. In addition, it can monitor complete IT services composed of multiple servers and other infrastructure elements. Nimsoft Monitor also offers support for public cloud deployments and converged infrastructure solutions like Vblock (see sidebar). With this unified view, IT can...

- **Speed troubleshooting.** With Nimsoft Monitor, administrators can quickly identify the source of an issue, no matter where in the infrastructure it resides, to minimize outages and outage duration.
- **Prevent issues.** Nimsoft Monitor enables IT teams to more efficiently and proactively govern their infrastructures, so they can effectively forecast trends, identify

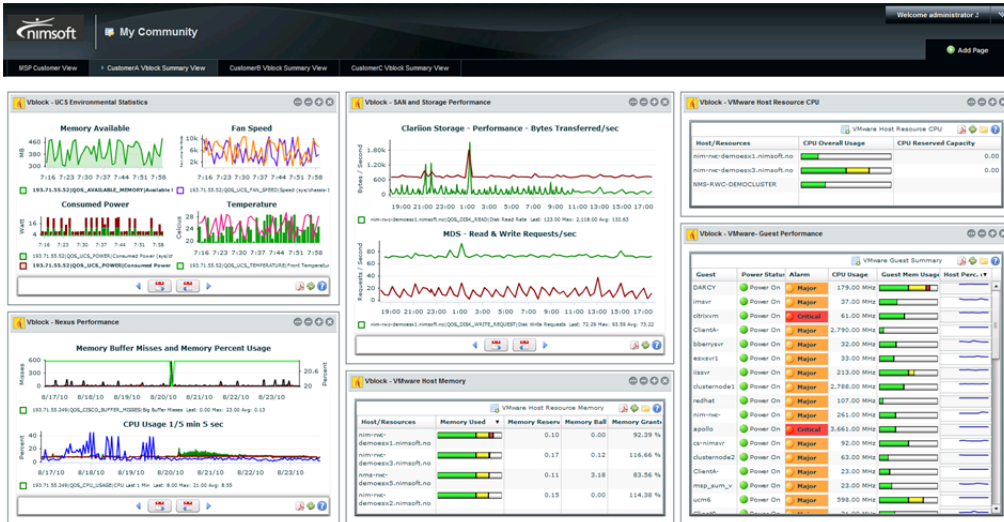


*Private cloud environments are highly virtualized, where services and workloads can be in a constant state of flux.*

- potential issues, and take steps to prevent them—before they affect users.
- **Improve service levels.** With Nimsoft Monitor, administrators can better track “noisy neighbor” and underutilization issues, which is critical for establishing and maintaining reliable, responsive service levels within heavily virtualized cloud environments.

- **Support mission-critical applications and services.** Nimsoft Monitor provides granular, integrated monitoring views of both mission-critical services and multi-server applications, across the entire supporting infrastructure. Combined with its capabilities for monitoring transactions and end user experience, Nimsoft Monitor allows administrators to

Solution Brief



- **Reduced costs.** By standardizing on a single tool, businesses can reduce costs associated with procuring, implementing, and maintaining multiple point solutions—and for training staff to use these solutions.
- **Streamlined reporting.** Nimsoft Monitor represents a single architecture for gathering and reporting on data from across the private cloud environment. As opposed to aggregating and normalizing data from multiple tools, this affords IT teams with dramatic time savings.
- **Enhanced operational efficiency.** Through its open standards, APIs, and software development kits for doing custom integration, Nimsoft Monitor supports an organization’s goals for operational efficiency. Nimsoft Monitor makes it easy for IT organizations to integrate Nimsoft Monitor monitoring capabilities with existing data center monitoring and

With Nimsoft Monitor, organizations can monitor entire private cloud environments. In the above example, Nimsoft Monitor is being used to monitor every element within a Vblock Infrastructure Package.

set and meet SLAs for complex, mission-critical applications and business services.

In addition, Nimsoft Monitor offers the scalable, reliable, and efficient architecture that ensures the monitoring capabilities IT teams rely on are always available when needed.

**Streamline Monitoring Administration**

By offering one solution that effectively monitors the entire private cloud infrastructure—and all the applications and services that run on that infrastructure—Nimsoft offers customers unparalleled advantages:

- **Minimized administrative effort.** Nimsoft Monitor offers automation capabilities that ensure continuous, effective monitoring of virtualized environments. Nimsoft Monitor ensures continuous monitoring coverage—even when VMs are moved or scaled—with no administrator intervention. Nimsoft Monitor offers automated

device discovery, monitoring configuration and deployment, and reporting—capabilities that are critical in monitoring dynamic, virtualized private cloud environments.

**Vblock Support**

The Virtual Computing Environment (VCE) Vblock infrastructure represents a new standard in the delivery of IT services—a complete data center in a box. Created by a joint coalition of Cisco, EMC, and VMware, Vblock is a pre-integrated, pre-tested, and best-of-breed set of IT solutions that accelerate private cloud implementation and reduce risks.

With Vblock, however, all the power and complexity of a full data center arrives as a single “black box”. What happens when something goes wrong? How can IT administrators effectively determine root causes of outages and prevent service level problems?

Nimsoft Monitor for Vblock is the first solution to address the challenges of monitoring Vblock environments—allowing customers to quickly identify and prevent problems. The solution provides comprehensive, integrated monitoring of all elements within the Vblock infrastructure, as well as the applications and services running in these environments.

Solution Brief



Edge Transport Server



Hub Transport Server



Client Access Server



Mailbox Server

*With Nimsoft Monitor, organizations can ensure high levels of performance in complex, mission-critical applications, such as email and multi-tier Web applications.*

management infrastructures, such as service desks, provisioning and orchestration tools, and configuration management databases.

**Track and Demonstrate Value**

Nimsoft Monitor offers granular, comprehensive monitoring coverage—and sophisticated capabilities for presenting this data—so IT teams can effectively track, improve, and demonstrate their value and the value of their private cloud investments to the rest of the business. Nimsoft Monitor offers these capabilities:

- **SLA monitoring and reporting.** Nimsoft Monitor makes it easy to report on SLAs, including historical compliance statistics, real-time compliance status, and forecasting capabilities for identifying trends that can jeopardize compliance.

- **Resource usage visibility.** Nimsoft Monitor offers the unified, detailed views of private cloud environments that enable businesses to accurately track and report on resource usage, to correlate usage across physical and virtual resources, and to tie that usage back to specific groups or applications. In addition, Nimsoft Monitor offers usage metering capabilities that support the business' chargeback objectives.

Armed with these capabilities, IT teams can both deliver more value, and better demonstrate that value to the rest of the business.

**About Nimsoft**

Nimsoft is a global leader in IT Management-as-a-Service. The company's lightweight ITMaaS solutions make it easy for enterprises and service providers to implement comprehensive, adaptable monitoring and service desk capabilities essential for managing today's dynamic computing environments. Learn more at [www.nimsoft.com](http://www.nimsoft.com).

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