

Nimsoft Monitoring Solution for Citrix XenServer

Insights for Optimizing IT and Business Performance

Key Features

- Proactive monitoring of hosts, servers, virtual machines and applications
- Comprehensive visibility into application performance and end user responsiveness
- Point-and-click access to alarms and real-time performance status

Benefits

- Improved performance and uptime
- Enhanced resource optimization
- SLA compliance

Introduction

While virtualization technologies like Citrix XenServer have ushered in a world of potential benefits, they also brought an entirely new world of challenges from a monitoring perspective.

Citrix XenServer is an open, enterprise-class server virtualization platform that is gaining increased popularity with cloud computing vendors. When XenServer gets implemented, an entirely new layer of “moving parts” gets added to the mix, and dramatically increases the complexity of monitoring business applications and the infrastructure upon which they rely. How can organizations efficiently monitor this virtualized infrastructure? How can they ensure that the virtualized infrastructure and all the applications that run in this virtual environment are optimized?

The Solution

With Nimsoft Monitor for Citrix XenServer, organizations can harness a comprehensive solution for monitoring XenServer hosts and virtual machines. Nimsoft Monitor enables organizations to monitor and fully optimize their XenServer implementations. Plus, with Nimsoft Monitor, organizations can monitor and manage all the operating systems and business applications that run in this virtualized environment—and get insights into the performance end users experience from these business applications. By offering this comprehensive monitoring picture through a centralized solution, organizations can take a more holistic and service-led view of the virtualized environment—and much more effectively optimize the performance, utilization, and reliability of the entire infrastructure.

Monitoring OS and Apps on Virtual Machines

Nimsoft Monitor offers capabilities for monitoring the following:

- All major Windows and Linux based operating systems.
- A host of common business applications, including Microsoft Exchange, Microsoft Active Directory, Microsoft IIS, Lotus Notes, SAP, WebSphere, e-commerce applications, and custom-built applications.
- All prevalent databases, such as Oracle, Microsoft SQL Server, and Sybase.

Monitoring Response Times of End User Applications

Through its extensive support for response time solutions across a range of applications, Nimsoft Monitor provides vital insights into what is really happening from an end user perspective.

Nimsoft Monitor offers a range of capabilities for simulating transactions that end users conduct with business applications. With Nimsoft Monitor, these simulations are easy to implement and automate, and they yield a wealth of practical insights and alerts if end user processing is degraded or down.

Critical Performance Data: When and How it's Needed

Nimsoft Monitor compiles, analyzes, and monitors performance data to provide real-time tracking of Microsoft virtualized infrastructures. Nimsoft Monitor delivers this vital information via alarms, operator consoles, business dashboards, long-term trend reports, and SLA compliance reports.

Comprehensive Coverage

With Nimsoft Monitor, administrators can monitor the following metrics:

	Host	VM		Host	VM
SYSTEM			DISK		
CPU Model	x		Storage Type (per Disk)	x	
CPU Vendor	x		Free Space (per Disk)	x	
Hostname	x		Used Space (per Disk)	x	
Number of PBDs	x		Total Space (per Disk)	x	
Number of Physical Network Interfaces	x		Virtual Allocation	x	
Number of VMs	x		VBD Status Code		x
PIF Read Throughput	x		VBD Status Detail		x
PIF Write Throughput	x		VBD Read Throughput		x
Software Version	x		VBD Write Throughput		x
State of Host	x				
OS Version		x	NETWORK		
Virtual Machine Name		x	Number of Physical Network Interfaces	x	
Virtual Machine Start Time		x	PIF Gateway (per Interface)	x	
Virtual Machine State		x	PIF IP Address (per Interface)	x	
			PIF MAC Address (per Interface)	x	
CPU			PIF MTU (per interface)	x	
CPU Configuration	x		PIF Netmask (per interface)	x	
CPU Model	x		PIF Read Throughput (per interface)	x	
CPU Vendor	x		PIF Write Throughput (per interface)	x	
Number of CPUs	x		PIF Speed (per interface)	x	
CPU Clock Speed (per CPU)	x		PIF Status (per interface)	x	
Host CPU Utilization (per CPU)	x				
Number of Virtual CPUs		x	VIF MAC		x
Total Virtual CPU Utilization		x	VIF MTU		x
			VIF Status Code		x
MEMORY			VIF Status Detail		x
Free Memory	x	x	VIF Read Throughput		x
Total Memory	x	x	VIF Write Throughput		x
Used Memory	x	x			
Actual Memory		x			
Max Memory (Dynamic)		x			
Max Memory (Static)		x			

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.

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