

Nimsoft Monitor for Apache HTTP

Optimizing Availability and Performance for End Users

Features

- Robust, intuitive management interface makes all administrative tasks fast and easy.
- Enables centralized management of distributed Apache HTTP servers.
- Includes automatic resource discovery capabilities for simplified configuration.
- Supports agentless monitoring of Apache HTTP running on any supported platform.

Benefits

- Significantly reduce the complexity of server administration and improve operational efficiency.
- Enjoy cost and time savings through streamlined, centralized administration of complex HTTP environments.
- Ensure SLA compliance of business critical services.

Introduction

The Apache HTTP server's combination of open source flexibility, stability, feature-rich capabilities, and broad platform and OS support have led it to become one of the most widely deployed servers. Today, the Apache server has a market share of around 50%.

Given the product's widespread market acceptance, Apache servers are increasingly being relied upon in more business critical sites, and in larger, distributed enterprise environments. In an effort to maintain proactive control over their distributed network of servers, enterprise IT administrators have had to resort to manual health checks and SNMP queries to spot potential performance and availability issues. These ad hoc efforts have proven to be inefficient, time-consuming, and ineffective. How can IT organizations streamline administration, while gaining more effective control over Apache HTTP servers' performance and availability?

The Solution

Nimsoft Monitor for Apache enables organizations to centrally and comprehensively monitor all their Apache-based HTTP servers. The quality of service data provided by Nimsoft Monitor for Apache makes it possible to detect performance trends, enabling administrators to take precautionary actions before users notice any service degradation, and so more effectively optimize performance and availability.

Nimsoft Monitor for Apache gathers a wealth of availability and performance metrics—without requiring any agents or other software to be added to the Web server host.

Nimsoft Monitor offers an array of features specifically designed to make it easy to configure and manage the monitoring of large, distributed Apache environments. Featuring support for all operating systems and versions of the Apache server software, the solution can automatically discover the Apache installation on a host machine, as well as all virtual hosts. Once resources are discovered, Nimsoft Monitor provides immediate access to the required availability and performance metrics through an intuitive tree view.

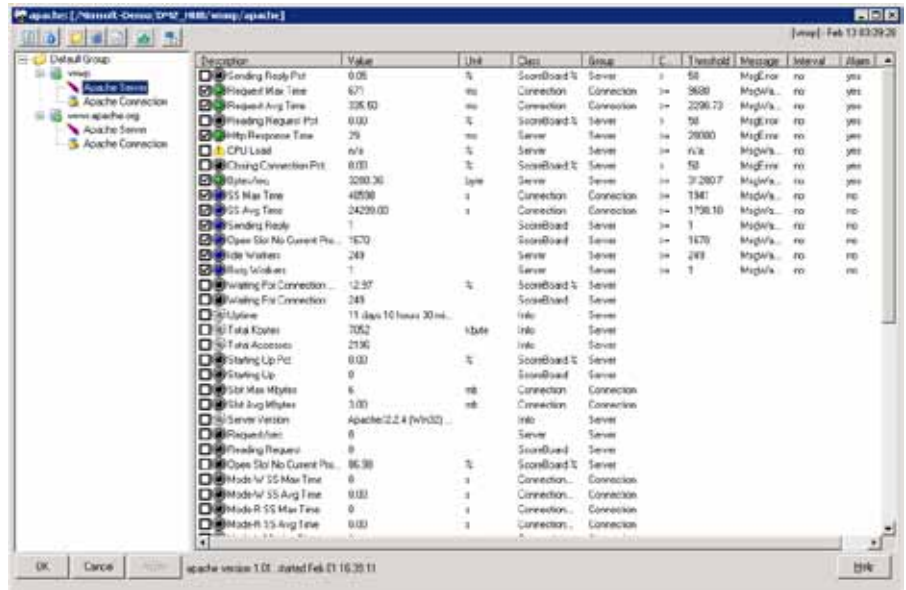
Part of the Nimsoft Monitor Family

With Nimsoft solutions, enterprises and service providers gain a centralized, cohesive view of their entire infrastructure. Whether an IT organization wants to monitor a specific network element, or the entire infrastructure on which a mission-critical application is based—including the associated network elements, databases, application servers, and more—they can do it all with the Nimsoft Monitor product suite.

In addition to Nimsoft Monitor for Apache, Nimsoft offers two complementary probes for Apache environments:

- SNMPGet probe, which allows additional metrics to be collected from Apache HTTP server.
- LogMon probe, which offers monitoring of Apache error logs.

In addition, the Nimsoft Monitor product family includes probes for RedHat Linux, Apache Tomcat, IBM WebSphere, Oracle WebLogic, Microsoft Active Directory, Citrix, JBoss, Microsoft Exchange, Microsoft IIS, IBM Lotus 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, IBM Power Systems (formerly AS/400 and iSeries), and Novell Open Enterprise Server (formerly NetWare); and solutions for managing network infrastructure, including routers, switches, and firewalls.



Probe	Value	Unit	Class	Group	C.	Threshold	Message	Interval	Alert
Sending Ready Pct	0.06	%	ScoreBoard %	Server	1	50	MajErr	no	yes
Request Max Time	621	ms	Connection	Connection	1	3600	MajErr	no	yes
Request Avg Time	206.03	ms	Connection	Connection	1	2200.73	MajErr	no	yes
Reading Request Pct	0.03	%	ScoreBoard %	Server	1	50	MajErr	no	yes
Http Response Time	29	ms	Server	Server	1	20000	MajErr	no	yes
CPU Load	n/a	%	Server	Server	1	n/a	MajErr	no	yes
Closing Connection Pct	0.03	%	ScoreBoard %	Server	1	50	MajErr	no	yes
Bytes/s	2000.30	byte	Server	Server	1	3200.7	MajErr	no	yes
SS Max Time	40500	s	Connection	Connection	1	1301	MajErr	no	no
SS Avg Time	24200.00	s	Connection	Connection	1	1700.10	MajErr	no	no
Open Slot No Current Pro.	1670		ScoreBoard	Server	1	1670	MajErr	no	no
Idle Workers	249		Server	Server	1	249	MajErr	no	no
Busy Workers	1		Server	Server	1	1	MajErr	no	no
Waiting For Connection	12.97	s	ScoreBoard %	Server	1				
Waiting For Connection	249		ScoreBoard	Server	1				
Idle Time	11 days 10 hours 20 min.		Info	Server	1				
Total Bytes	7052	byte	Info	Server	1				
Total Accesses	2196		Info	Server	1				
Staying Up Pct	0.03	%	ScoreBoard %	Server	1				
Staying Up	0		ScoreBoard	Server	1				
Stat Max Mbytes	6	mb	Connection	Connection	1				
Stat Avg Mbytes	3.00	mb	Connection	Connection	1				
Server Version	Apache/2.2.4 (Win32)		Info	Server	1				
Request/Sec	0		Server	Server	1				
Reading Request	0		ScoreBoard %	Server	1				
Open Slot No Current Pro.	06.98	%	ScoreBoard %	Server	1				
Mode W/ SS Max Time	0	s	Connection	Connection	1				
Mode W/ SS Avg Time	0.03	s	Connection	Connection	1				
Mode R/ SS Max Time	0	s	Connection	Connection	1				
Mode R/ SS Avg Time	0.03	s	Connection	Connection	1				

Monitoring Features that Yield Practical Insights

Nimsoft Monitor for Apache:

- Offers central, agentless monitoring of multiple servers.
- Monitors server performance and response time, and status of individual requested resources.
- Enables real-time alerts that ensure administrators are apprised immediately of issues.
- Provides quality of service data for trend analysis.
- Monitors compliance with service level agreements.

With these robust capabilities, administrators can:

- Detect Apache server problems and degradations more quickly.
- Immediately identify the source of bottlenecks and points of failure.
- More proactively control service levels and minimize downtime.

Platform Support

- Windows XP
- Windows Vista
- Windows 2000
- Windows 2003
- Solaris 9 and 10
- Linux 2.3 and above
- Apache 1.3.x and 2.x

Checkpoints Monitored

- HTTP Response Time
- HTTP Response Value
- CPU Load
- Request/sec
- Bytes/req
- Busy Workers
- Idle Workers
- Uptime
- Total Bytes
- Total Accesses
- Server Version
- Waiting For Connection Count
- Starting Up Count
- Sending Reply Count
- Reading Request Count
- Open Slot No Current Process Count
- Logging Count
- Keepalive Count
- Idle Cleanup Of Worker Count
- Gracefully Finishing Count
- DNS Lookup Count
- Closing Connection Count
- Waiting For Connection Pct
- Starting Up Pct
- Sending Reply Pct
- Reading Request Pct
- Open Slot No Current Process Pct Logging Pct
- Keepalive Pct
- Idle Cleanup Of Worker Pct
- Gracefully Finishing Pct
- DNS Lookup Pct
- Closing Connection Pct

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.

North America Headquarters

U.S. toll free:
1 877 SLA MGMT (752
6468)
1 408 796 3400

Email: info@nimsoft.com
Web: www.nimsoft.com

United Kingdom

+44 (0) 845 456 7091

Norway & Northern Europe

+47 22 62 71 60

Germany

+49 (0)89 - 99 61 90 60

Australia

+61 (0)2 9236 7216

Brazil

+5511 5503 6243

Mexico City

+52 (55) 5387 5406

Singapore

+65 64328600

New Delhi

+(91 11) 6656 6667

Mumbai

+(91 22) 66413800