

CA Unified Infrastructure Management for Apache



At a Glance

CA Unified Infrastructure Management (CA UIM, formerly CA Nimsoft Monitor) for Apache enables organizations to centrally and comprehensively monitor the health and performance of Apache-based HTTP Web servers. The quality of service data provided by CA UIM for Apache gives you performance trends and visibility into the health of your Web servers so you can take the necessary precautions before users notice service degradation.

Key Benefits/Results

- **Unified visibility.** Streamline and centralize administration of complex HTTP environments for improved network availability and performance.
- **Ease-of-use.** Our “plug and play” probe architecture allows for on-demand delivery of monitoring services.
- **Speed-time-to-value.** Install CA UIM and deploy monitoring to more than 100 servers in less than three minutes.
- **Reduce cost and complexity of server administration.** Eliminate the cost and complexity of maintaining multiple platforms and improves efficiency.

Key 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 supported platforms

Business Challenges

The Apache HTTP Server™ is the world’s most popular open source web server and offers users flexibility, stability, and feature-rich capabilities. Given the product’s widespread market acceptance, organizations around the world depend on Apache servers for business services and applications. Ensuring the availability of the server is paramount to success for businesses large and small. Too often, IT administrators resort to manual health checks and SNMP queries to spot potential performance and availability issues in an effort to maintain proactive control over their distributed network of servers. 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?

Solution Overview

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

CA UIM 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, CA UIM provides immediate access to the required availability and performance metrics through an intuitive tree view.

With CA UIM solutions, enterprises and service providers gain a centralized, cohesive view of their entire infrastructure. Whether IT organizations want 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 CA UIM product suite.

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.

CA UIM for Apache:

- Offers central, agentless monitoring of multiple servers.
- Monitors server performance and response time, and status of individual requested resources.
- Helps enable real-time alerts to immediately apprise administrators 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.

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

For more information, please visit ca.com/uim

CA UIM for Apache gathers availability and performance metrics that help team members get the information they need—when they need it.

Description	Value	Unit	Class	Group
<input type="checkbox"/> Busy Workers	1		Server	Server
<input checked="" type="checkbox"/> Bytes/req	3271.11	byte	Server	Server
<input type="checkbox"/> Child Avg Mbytes	0.00	mb	Connection	Connec
<input type="checkbox"/> Child Max Mbytes	0	mb	Connection	Connec
<input type="checkbox"/> Closing Connection	0		ScoreBoard	Server
<input type="checkbox"/> Closing Connection Pct	0.00	%	ScoreBoard %	Server
<input type="checkbox"/> Conn Avg Kbytes	0.00	kb	Connection	Connec
<input type="checkbox"/> Conn Max Kbytes	0	kb	Connection	Connec
<input type="checkbox"/> DNS Lookup	0		ScoreBoard	Server
<input type="checkbox"/> DNS Lookup Pct	0.00	%	ScoreBoard %	Server
<input type="checkbox"/> Gracefully Finishing	0		ScoreBoard	Server
<input type="checkbox"/> Gracefully Finishing Pct	0.00	%	ScoreBoard %	Server
<input checked="" type="checkbox"/> Http Response Time	1063	ms	Server	Server
<input type="checkbox"/> Http Response Value	1		Server	Server
<input type="checkbox"/> Idle Cleanup Of Worker	0		ScoreBoard	Server
<input type="checkbox"/> Idle Cleanup Of Worker ...	0.00	%	ScoreBoard %	Server
<input type="checkbox"/> Idle Workers	63		Server	Server
<input type="checkbox"/> Keepalive	0		ScoreBoard	Server
<input type="checkbox"/> Keepalive Pct	0.00	%	ScoreBoard %	Server
<input type="checkbox"/> Logging	0		ScoreBoard	Server
<input type="checkbox"/> Logging Pct	0.00	%	ScoreBoard %	Server

Supported Environments

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

Related products

In addition to CA UIM for Apache, CA Technologies offers two complementary lightweight probes for Apache environments:

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

CA Technologies (NASDAQ: CA) creates software that fuels transformation for companies and enables them to seize the opportunities of the application economy. Software is at the heart of every business, in every industry. From planning to development to management and security, CA is working with companies worldwide to change the way we live, transact and communicate – across mobile, private and public cloud, distributed and mainframe environments. Learn more at ca.com.