

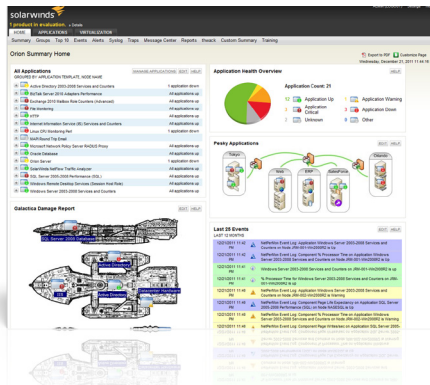
# Server & Application Monitor

(FORMERLY APPLICATION PERFORMANCE MONITOR)

## The Powerful Application & Server Monitoring You Love, Without the Complexity & Cost You Hate!

*“The flexibility of this product is great... Consolidation into a single pane of glass along with centralized alerting has saved us a TON of time with managing our systems.”*

— OSSI



SolarWinds Server & Application Monitor (SAM), formerly known as Application Performance Monitor, has a new name that does justice to all of the incredible, enterprise-class server and application management features packed into its latest release. It's so easy to deploy that you'll be up and running in less than an hour. And you can forget about having to deploy agents, hire expensive consultants, or suffer through long deployment cycles!

Finally, you can get deep visibility into your physical and virtual infrastructure, hardware, application statistics, processes, and O/S performance – all at a price point you'll love.

Just install the software and go grab some lunch while Server & Application Monitor automatically discovers your environment and deploys appropriate monitors. When you get back, your monitoring environment will be waiting for you — complete with out-of-the-box dashboards, alerts, reports, and more! It's just that easy!

### Server & Application Monitor Highlights:

- **Monitor virtually any application:** Leverage out-of-the-box monitors for email, Active Directory®, Java® applications, databases, and more; select from an extensive library of community-contributed monitors; or easily create your own monitors for custom apps in a few simple steps.
- **Out-of-the-box hardware and VMware® host monitoring:** Monitor the health of Dell®, HP®, and IBM® System X servers and the underlying hardware for your VMware hosts to get valuable insight into environmental data, hardware status, and more.
- **Built-in expert knowledge:** Take advantage of built-in expert guidance on what to monitor, why to monitor it, and optimal thresholds for popular applications and servers.
- **Root-cause analysis:** Use dynamic service groups to determine where your problem is — the application, database, hardware, O/S, or something else.
- **Auto-discovery:** Have SAM scan your network and auto-discover applications and servers, making deployment a breeze.
- **Graphical, easy-to-use interface:** View trends, capacity, and performance in easy-to-use dashboards and reports that can be customized to your needs.
- **Enterprise scalability:** Consolidate application and server monitoring with one tool that scales to thousands of logical endpoints.
- **Start monitoring in minutes:** Enjoy a product that is easy to download and deploy in less than an hour, easy to use, and easy on your budget.
- **Manage O/S performance out-of-the-box:** Leverage built-in templates that support Windows® Server 2003 and 2008, UNIX, Linux®, IBM AIX®, Sun Solaris®, and more.
- **Monitor server processes in real time:** Monitor all of the processes running on your servers in real time, including CPU, memory, virtual memory, and disk I/O.
- **Microsoft® Active Directory® support:** Simplify creation of login credentials by leveraging Active Directory user accounts and groups.

# Server & Application Monitor Features

## Application & Server Dashboards

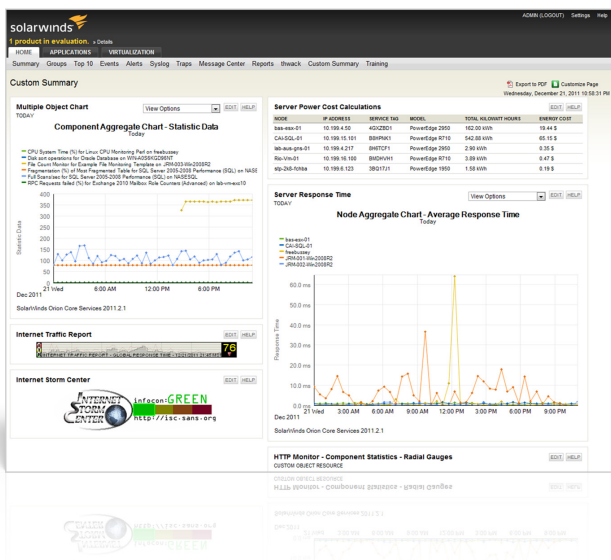
Getting a concise view of application and server performance is a cinch with SAM's dashboards. You'll achieve immediate visibility into critical apps and systems with out-of-the-box dashboards for Microsoft Active Directory®, Exchange, SQL Server®, IIS, Windows®, Linux®, and more, or you can easily create your own. From the dashboards, you can even drill down into application and server views of key performance data, enabling you to troubleshoot issues quickly and easily.

## Out-of-the-Box Application Monitoring

SAM ships with out-of-the-box monitoring templates for popular applications, such as email, Active Directory®, Java® applications, databases, and more. Built-in expert knowledge provides guidance on what to monitor, why to monitor it, and optimal thresholds. Plus, you can easily create your own custom monitoring templates with just a few clicks. SAM monitoring templates are portable, and can be easily downloaded and shared with the SolarWinds community on Thwack. Additionally, you can create WMI performance counters, processes, and service component monitors and add them through a simple, graphical interface or run your own Windows®, Linux®, or UNIX scripts to schedule script execution and report and alert on their output.

## Out-of-the-Box Server & VMware Host Monitoring

SAM delivers out-of-the-box monitoring for Dell, HP, and IBM System X servers and the underlying hardware for your VMware hosts, providing valuable insight into environmental data, hardware status, and more. There is even a real-time process explorer that enables you to examine all of the processes running on your servers right now, including CPU, memory, virtual memory, and disk I/O!



## Dynamic Service Groups

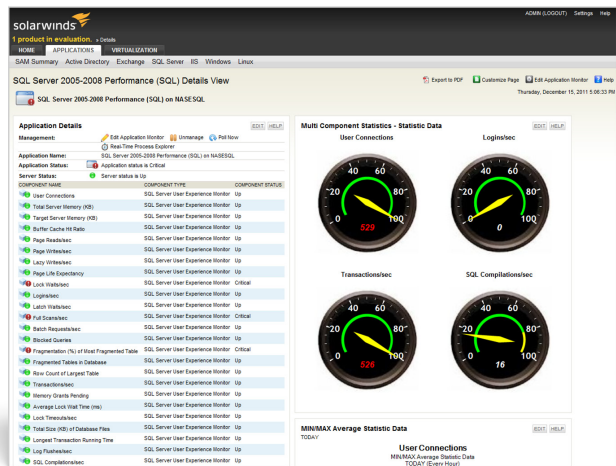
Finally, you can simplify application monitoring and root cause analysis in large complex IT environments by grouping servers or applications by virtually any category. With the dynamic service groups built into SAM, you can monitor and aggregate views of server and application groups by service (such as email), location, or department—making it easier to isolate the root cause of issues.

## User Experience Monitoring

SAM enables you to continually measure response time for mission-critical applications to better understand what your users are experiencing right now. Leverage out-of-the-box user experience monitors and support for a host of applications and services, including HTTP, HTTPS, FTP, DHCP, DNS, LDAP, POP3, IMAP4, MAPI, Microsoft® SQL Server®, Oracle®, IBM DB2®, and other ODBC databases. For even deeper end user experience monitoring, SAM also integrates seamlessly with SolarWinds Synthetic End User Monitor.

## Conditional Group Dependencies

Conditional group dependencies in SAM enable you to intelligently map applications to the virtual or physical servers they run on. These dependencies mean that you will only receive a single critical alert if one application or server goes down instead of an onslaught of hundreds of alerts for each of the servers and applications that are impacted.



## Integrated Virtual Infrastructure Monitor

SolarWinds Server & Application Monitor monitors VM hardware health and performance metrics including CPU, memory and network bandwidth utilization. Supported products include VMware ESX and ESXi Servers versions 3.5 and higher, as well as Microsoft Hyper-V 2008 and Hyper-V 2008 R2. SAM automatically discovers, identifies, and monitors new VMs and applications and provides robust alerting to ensure that you are instantly notified of VM-related issues. With SAM, you can rest assured that your virtualized applications are performing just like they would on physical hardware and that your VMware and Hyper-V servers are in good health.

## Dynamic Monitoring Templates

The dynamic monitoring templates in SAM enable you to modify a single template and instantly update monitoring settings throughout your IT infrastructure. Once you establish templates, you can apply them to multiple servers, eliminating the need to perform repetitive configuration tasks for similar applications and servers. Plus, changes made to a template automatically propagate throughout your infrastructure, ensuring that monitoring settings are updated for all systems that rely on the modified template.

## Advanced Application Alerting

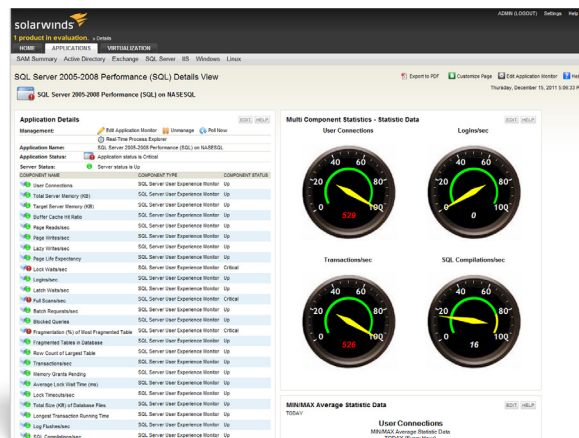
SAM makes it easy to quickly configure alerts for correlated events, sustained conditions, and complex combinations of device states. Additionally, SAM supports automatic escalation of alerts and allows you to designate actions in response to particular alerts, ensuring that you can respond to application and system performance issues in record time.

## Out-of-the-Box Application Reporting

SAM includes numerous built-in reports that make it easy to track application and server performance over time. A simple interface facilitates customizing these reports and also enables the creation of custom reports with Report Writer or using any standard SQL reporting service. You can even schedule reports to be generated and delivered by email automatically.

## LUCID Interface & Mobile Views

SAM simplifies management with an interface that is LUCID™ (Logical, Useable, Customizable, Interactive, and Drill-down). Designed by IT pros for IT pros, SAM's interface makes it easy to manage by exception and quickly identify issues before they impact your users. Additionally, mobile views for iPhone®, Android®, and BlackBerry® provide on-the-go monitoring from your favorite mobile device.



## Application Discovery Engine

The application discovery engine in SAM automatically scans your servers, discovers applications, and assigns out-of-the-box monitoring templates within minutes of installation. No agents are needed, so deployment and maintenance are a breeze. You can literally start monitoring in minutes!

## Message Center

SAM's Message Center provides a central view of all notification messages about the performance of your apps and servers. Quickly troubleshoot performance issues by analyzing SNMP trap and Syslog data from a single interface, instead of by polling various machines. Events and alerts are also routed to this interface, allowing you to perform manual event correlation and basic root cause analysis.

## Network and Storage Management Integration

When used together, SAM, SolarWinds Storage Manager, and SolarWinds Network Performance Manager deliver an end-to-end view into network, server, storage, and application performance through a single, integrated web console. Finally, you can forget about having to run multiple point products or flip between screens to view the application and network data you need to troubleshoot problems!

## Active Directory Integration

Leverage your existing Microsoft Active Directory® user account information and groups for SAM logins to simplify administration. With SAM, you can customize accounts to display specific types of monitoring data for a subset of users and even create priority groups for users who belong to multiple AD groups, ensuring that the appropriate permissions are delivered to the appropriate users.

## Application Monitor Wizard

Easily build your own application monitors in minutes using the step-by-step wizard built into SAM. You can create templates for your custom applications or extend an existing application template to monitor additional performance metrics.

## Leverage Nagios® Scripts

SAM runs your native Nagios scripts so there is no break in your productivity. You can continue to leverage the time and effort you have invested in these scripts, while experiencing the ease-of-use of SAM!

HARDWARE	MINIMUM REQUIREMENTS		
	50 to 500 Monitors	501 to 2000 Monitors	2000+ Monitors
CPU	3.0 GHz	3.0 GHz	3.0 GHz
Memory	3GB	4GB	4GB
Hard Drive	2GB Free	5GB Free	10GB or more
SOFTWARE	MINIMUM REQUIREMENTS		
Operating System	Windows® 2003 & 2008 Server (32-bit or 64-bit) including R2, with IIS installed, running in 32-bit mode		
.Net Framework	Version 3.5 or later		
Database	SQL Server 2005 SP1 Express, Standard, or Enterprise; SQL Server 2008 Express, Standard, or Enterprise		

## Available Monitors for Server & Application Monitor

SAM leverages out-of-the-box and user-generated server and application monitors, enabling you to keep a close eye on virtually any application or server on your network or in your data center. Check out the list of monitors below for the apps and servers in your IT environment.

### Out-of-the-Box Application Monitors

SAM ships with a rich variety of out-of-the-box monitors for popular applications, hardware types, and operating systems, including:

HARDWARE
Hewlett-Packard (HP) ProLiant®
Dell® - PowerEdge®
IBM® - X Series
VMware® Hosts

REAL-TIME PROCESS EXPLORER
Monitor all processes running on your server in real-time for CPU, memory, virtual memory, and disk I/O

OPERATING SYSTEMS
Microsoft® Windows Server® 2003 & 2008
IBM AIX®
HP-UX
Linux® (Red Hat®, SuSE®, Ubuntu®) - <i>SSH compatibility required</i>
Sun Solaris™
UNIX

WEB SERVERS & URL MONITORS
HTTP & HTTPS User Experience
Microsoft® Internet Information Service (IIS)
Apache®, Apache Tomcat™, & Apache Geronimo™

VIRTUALIZATION MONITORS
VMware® (ESX Server)

EMAIL & DIRECTORY SERVERS
Microsoft Exchange 2000, 2003, 2007, and 2010
Microsoft Active Directory®
Lotus Domino Servers
BlackBerry® Enterprise Server
BlackBerry Delivery Confirmation
LDAP and DHCP User Experience Monitors

DATABASES
SQL Query, ODBC, and Oracle® User Experience
Microsoft SQL Server®
Oracle®
IBM DB2®
MySQL

NETWORK SERVICES
DNS Query User Experience
DNS Port
SNMP, SMTP, TCP Port
IMAP4, POP3
NNTP
FTP User Experience
Cisco Call Manager

SECURITY PROTOCOLS
RADIUS User Experience
TACACS+ User Experience

GENERAL PURPOSE MONITORS
WMI Performance Counter
Windows Script
Linux/UNIX Script
Windows Service, Windows Print Services, Windows Event Log
Process Monitor (Windows, Linux, UNIX)
File and Directory
Nagios® Script
Microsoft SharePoint® 2007 & 2010
Citrix XenApp
JMX MBeans
IBM WebSphere®
Java™ 2 Platform, Enterprise Edition Server (J2EE)
WebLogic

### Application Monitors Downloadable from Thwack

Expand SAM's monitoring breadth by importing additional user-generated templates from Thwack. You'll find over 350 preconfigured templates contributed by our community of IT pros!

### Do-It-Yourself, Custom Application Monitors

Can't find your favorite application? Never fear! SAM makes it easy to create your own monitors in three simple steps. Download a free trial and see for yourself!

*Download a Free Trial  
at [solarwinds.com](http://solarwinds.com)!*