

Exchange Server Performance Monitoring

Exchange Server is the Pillar of Many Businesses

The email and calendaring services that Microsoft® Exchange Server provides are very important when it comes to your business. Many if not most business activities are conducted via email, and it can safely be called one of a corporation's most mission-critical applications. Some frequent business activities conducted via email include:

- Communicating with Customers/Suppliers
- Supporting Requests
- Handling Proposals

Email downtime can severely affect the basic operations of a business. Thus, it's critical for organizations to continually monitor their Exchange Servers. Frequently, end-users will complain that their email is slow, and the IT administrator struggles to identify where and why a slow-down is occurring. Addressing these concerns at the earliest possible time (ideally before issues occur and interrupt company operations) is the best way to monitor Exchange Servers to minimize costs and avoid business disruption.

Comprehensive monitoring of Exchange Servers within organizations is a vital prerequisite to ensure maximum security to the company, attain high level of network performance, and enable continued efficiency of company operations unhindered by server performance issues.

Some of the key metrics that need monitoring include:

- **CPU Utilization** – Consistently high CPU utilization on your Exchange Server may indicate a need to add additional resources to your Exchange environment.
- **Free Disk Space** – The amount of disk space available on your Exchange System matters. Exchange is very disk-intensive and having enough space to grow is critically important.
- **Available Virtual Memory** – When virtual memory on your Exchange system gets too low, Exchange may stop working.
- **Queue Growth** – If a queue continually grows, it can signal that one of your connectors is on the fritz and not sending messages.

Exchange Server Monitoring

[Exchange Server monitoring](#) aims to optimize the performance and availability of the Microsoft Exchange messaging environment. Exchange Server monitoring tools track data that can direct the resolution of operational issues to simplify administration. An Exchange Server monitoring tool allows administrators to improve productivity and control costs.

SolarWinds Server & Application Monitor (SAM) delivers powerful application and server management capabilities at an affordable price to help monitor all the key metrics mentioned above. With automatic application discovery, you'll be monitoring, alerting, and reporting in less than an hour!

Agentless Performance Monitoring for Microsoft Exchange Server 2007 & 2010

SolarWinds [Server and Application Monitor](#) delivers agentless availability and performance monitoring for Microsoft Exchange Server 2007 and 2010. Its Expert Templates recommend what to monitor and why. SolarWinds SAM even recommends optimal performance thresholds.

Settings > SAM Settings > Application Monitor Templates

Out-of-the-box Dashboards Deliver Insight to Microsoft Exchange Performance

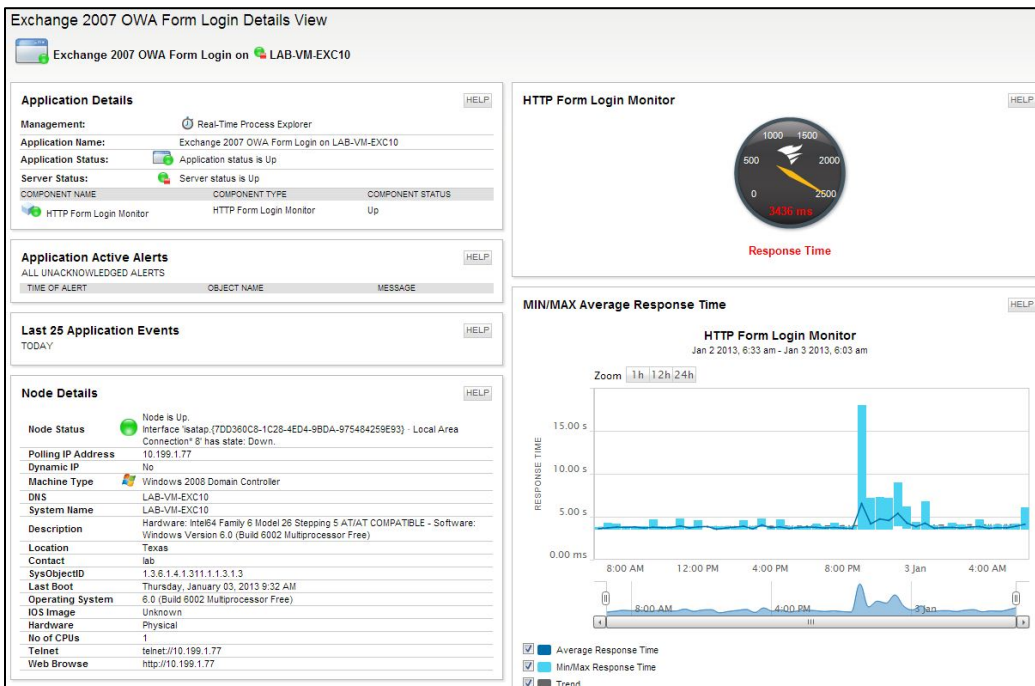
Server & Application Monitor delivers out-of-the-box dashboards within minutes once a node is assigned to a template with the credentials to the Exchange Server. These dashboards give visibility into vital statistics via a dashboard of graphs, gauges, and the ability to drill-down into historical data.

SAM dashboard displaying vital statistics for efficient Exchange Server monitoring

End-User Monitoring

Server & Application Monitor measures Exchange server and email performance from an end-user's perspective. You can monitor the end-user experience to discover patterns that might lead to poor service. SolarWinds SAM can also monitor the end-user experience for Outlook® Web Access (OWA) clients as well.

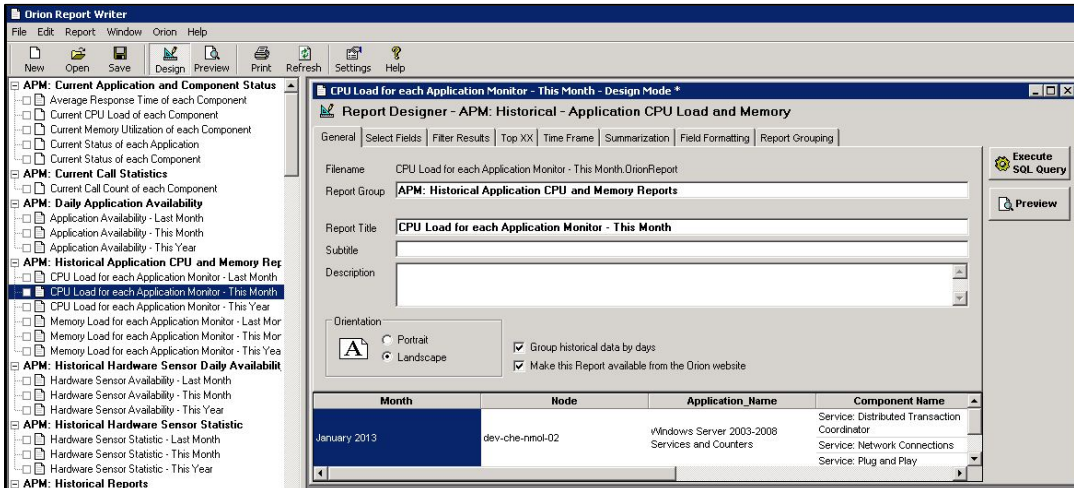
- **MAPI:** Sends email through your SMTP server and verifies that it gets delivered to an email account on the Exchange Server
- **POP3:** Tests an email's round trip from your SMTP mail server to a POP3 account and measures the time it takes to complete the trip
- **IMAP4:** Tests an email's round trip from your SMTP mail server to your IMAP4 account and measures the time it takes to complete the trip



Monitoring the end-user experience for Outlook Web Access clients

Advanced Reporting Engine offers Standardized & Customizable Reports

SolarWinds SAM makes it easy to generate, customize, and share historical reports showing Exchange Server performance and availability. A simple interface facilitates modification of out-of-the-box reports and also enables the creation of custom reports using any standard SQL reporting service such as Microsoft SQL Reporting Services or Crystal Reports. You can even create reports for specific user profiles, making it easy to generate reports for specific departments or recipients. Automated report generation offers scheduled reporting and email delivery.



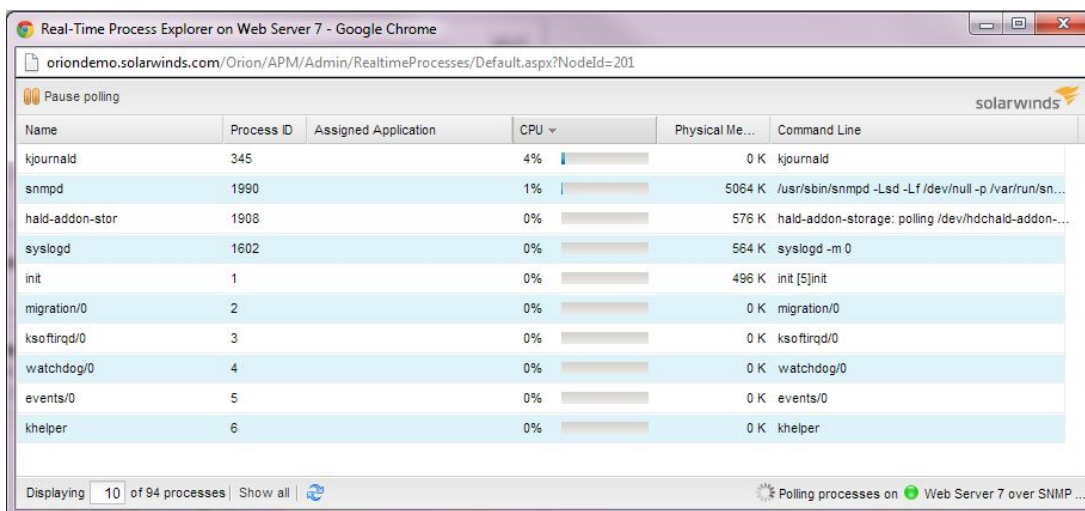
Customizing Reports using SAM's Report Writer

Real-Time Process Explorer

SAM's Real-Time Process Explorer (RTPE) provides real-time insight into your server performance. The advantage of the RTPE is that you don't need to physically, or remotely, log in to a particular machine and run the Task Manager to retrieve that machine's vital statistics. Information for both monitored and unmonitored processes is displayed directly through SAM. You can now monitor the performance of all your nodes that are running Exchange Servers.

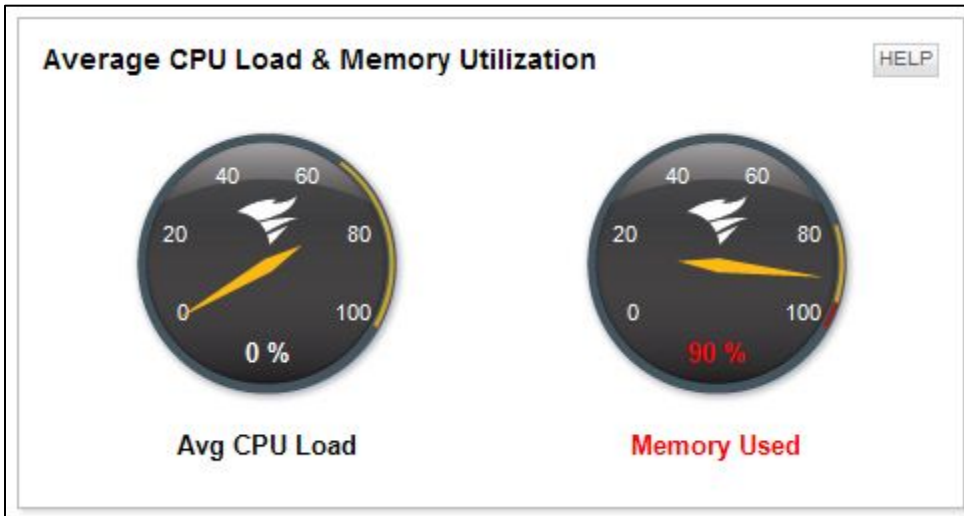
With the Real-Time Process Explorer, you can monitor processes and services by:

- CPU Utilization
- Memory Utilization
- Virtual Memory Utilization
- Disk I/O

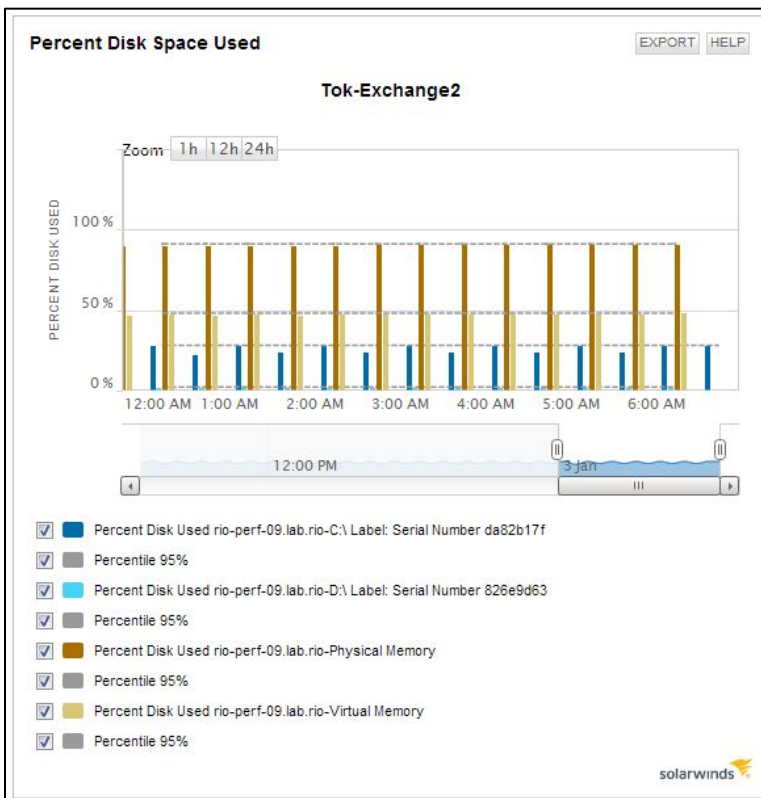


Real-time insight into your server performance

SAM Monitors Key Metrics for Optimal Exchange Health



Monitoring high CPU utilization



Monitoring amount of disk space available on your Exchange system

Key Features of SolarWinds SAM

- Discover, diagnose, and resolve critical issues such as growing queues, high CPU utilization, and low virtual memory availability
- Monitor Exchange services and back-end performance indicators
- Measure end-user response time for email delivery
- Ensure availability to Outlook Web access
- Analyze Exchange health to prevent outage and degradation
- Track mailbox sizes to understand usage and plan capacity
- Start monitoring Exchange performance in less than one hour

Top 3 Reasons to Download Now

- Monitors Windows, Linux®, AIX®, Solaris®, HP-UX, and 100+ other commercial applications
- Automatically scans and discovers your server infrastructure
- Easily monitors custom applications through a simple wizard-driven process

SolarWinds (NYSE: SWI) provides powerful and affordable IT management software to customers worldwide - from Fortune 500 enterprises to small businesses. The company works to put its users first and remove the obstacles that have become “status quo” in traditional enterprise software. SolarWinds products are downloadable, easy to use and maintain, and provide the power, scale, and flexibility needed to address users’ management priorities. SolarWinds online user community, [thwack!](#), is a gathering place where tens of thousands of IT pros solve problems, share technology, and participate in product development for all of the company’s products. Learn more today at [SolarWinds](#).

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