

 EVALUATION GUIDE

SolarWinds Systems Management Bundle

This guide will explain how SolarWinds® Systems Management Bundle can help you do your job more efficiently and increase the performance and uptime of your applications, servers, and virtual environment.

WHAT IS SOLARWINDS SYSTEMS MANAGEMENT BUNDLE?

SolarWinds Sysman Bundle consists of four powerful and easy-to-use SolarWinds products that provide deep visibility into all layers of your systems environment, from applications and servers (physical and virtual) to storage. The Sysman Bundle helps you mitigate any performance issues with proactive performance alerting, predictive recommendations, and faster troubleshooting.

What is in the bundle?

The Sysman Bundle includes the following award-winning, critically acclaimed products, trusted by thousands of satisfied system administrators around the world:

- » Server & Application Monitor (SAM)
- » Storage Resource Monitor (SRM)
- » Virtualization Manager (VMAN)
- » Web Performance Monitor (WPM)

Why do system administrators love SolarWinds Sysman Bundle?

- » **Affordable:** Easy-to-understand pricing model without any hidden costs or monthly fees. The pricing fits the needs of organizations of all sizes, from a handful of servers to multi-site deployments with thousands of applications and virtual machines.
- » **One-stop shop:** No need for multiple tools and custom scripts. Monitor all layers of your systems environment from a single console, with all dependencies shown in a single pane of glass.
- » **Be the first to know about problems:** Be proactive. Receive alerts about issues before they negatively affect business and end-users.
- » **Respond in minutes:** Find the root cause of problems as quickly as possible thanks to a full-stack dashboard and drill-down feature for deeper inspection.
- » **Do-it-yourself deployment:** With a single installer for the whole bundle, deployment couldn't be easier. Complete the installation with just a few clicks. The most-used monitoring templates, alerts, and reports are prepacked and ready out of the box. You can start monitoring your systems environment typically in about an hour.
- » **Discover network issues:** Check the latency and packet loss analysis between your applications and all related servers in your infrastructure.
- » **Forecast resource needs:** Track server resource usage, asset inventory, and capacity planning.
- » **Boost your environment:** Improve the performance of your VM environments with multi-step predictive recommendations made by actionable intelligence.
- » **Monitor end-user experience:** Easily monitor web applications such as CRM, ERP, HR, supply chain, help desk, intranet, etc., with a step-by-step recorder of user transactions.



Common problems the Systems Management Bundle can help you address:

- » Do you frequently encounter slow applications, servers, or virtual machines in your IT environment?
- » Do you spend too much time and manual effort diagnosing and determining the cause of issues, instead of troubleshooting and fixing them?
- » Are you using multiple tools and custom scripts to manage your multi-vendor systems and dozens of applications?
- » Are you unable to predict storage capacity needs that eventually lead to last-minute storage purchases?
- » Do you know how many virtual machines you've already deployed and which of them are really used?
- » Is it difficult for you to plan your workday, because you have to deal with unpredicted issues?
- » Are you able to pinpoint where the application issue originated? Is it in the application, database, operating system, physical server, virtual environment, storage, or network?

If you face these challenges on a daily basis, you can benefit from SolarWinds Systems Management Bundle.

“ SolarWinds Server & Application Monitor takes away all of the false positives that were found in other monitoring solutions. **”**

— It Manager, Small Business Computer Services Company

ROI to business and IT teams

Surveys show that SAM surveyed users are able to **fix application-related issues** 65% faster after deploying SAM¹ and half of them **minimized downtime** by at least about 40%². With VMAN, another module in the bundle, our surveyed customers **reclaimed** 23% of virtual resources on average³ and were typically able to **fix storage issues** 60% faster after deploying VMAN⁴. No wonder 70% of them **experienced ROI in under six months**⁵.



Considerable Cost Savings



Minimize Downtime



Faster Application Troubleshooting

¹Source: TechValidate survey of 107 users of SolarWinds Server & Application Monitor (Published: Jan., 2016)

²Source: TechValidate survey of 83 users of SolarWinds Server & Application Monitor (Published: Nov., 2015)

³Source: TechValidate survey of 159 users of SolarWinds Virtualization Manager (Published: Apr., 2016)

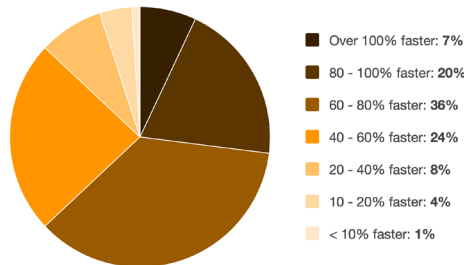
⁴Source: TechValidate survey of 47 users of SolarWinds System Management (Published: Sep., 2016)

⁵Source: TechValidate survey of 80 users of SolarWinds Virtualization Manager (Published: Apr., 2016)

Faster Troubleshooting

Users Fix Application Issues 65% Faster with SolarWinds Server & Application Monitor

After deploying Server & Application Monitor, how much faster are you able to identify and troubleshoot application issues?



Source: TechValidate survey of 107 users of SolarWinds Server & Application Monitor

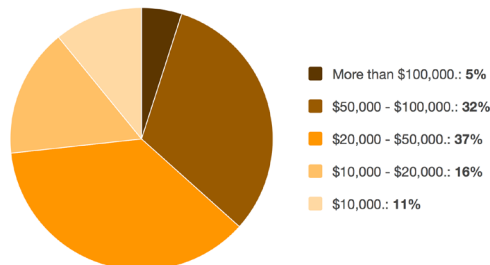


Validated Published: Jan. 11, 2016 TVID: F8C-109-B13

Cost Savings

Annual Savings of \$20,000 to \$100,000 with SolarWinds Server & Application Monitor

Please estimate how much you saved on labor, software costs, maintenance costs, and admin costs using Server & Application Monitor versus your previous solution on an annual basis.



Source: TechValidate survey of 19 users of SolarWinds Server & Application Monitor



Validated Published: May. 29, 2015 TVID: AEC-367-220

KEY FEATURES

Applications, Hypervisors, and Storage Vendors Supported Out of the Box

SolarWinds Sysman Bundle offers hundreds of templates built in-house, so you don't have to rely on third-party solutions. This approach delivers the best performance, complete support, and future updates without any obstacles.

We don't want to limit you in any way—that's why the Sysman Bundle supports custom, community-built templates and Nagios® scripts.

Applications

More than 200 critical business applications are supported, including Windows Server®, Linux®, Microsoft® Exchange™, Microsoft IIS™, Office 365®, Apache®, MySQL®, IBM® DB2®, Oracle® WebLogic®, and much more.

- [View full list of supported applications >>](#)
- [View full list of available templates >>](#)

» You can leverage over **800 custom monitoring templates** shared on SolarWinds online community, THWACK®.

Hypervisors and Cloud Vendors

- » The Sysman Bundle is a powerful tool for monitoring your virtual resources. You can monitor VMware vSphere®, Microsoft Hyper-V®, or Citrix XenApp® and XenDesktop®.
- » The Sysman Bundle provides end-to-end visibility and performance monitoring of your server and applications even across cloud platforms, including Amazon Web Services™, Microsoft Azure®, Google® Cloud, etc.

Storage Vendors

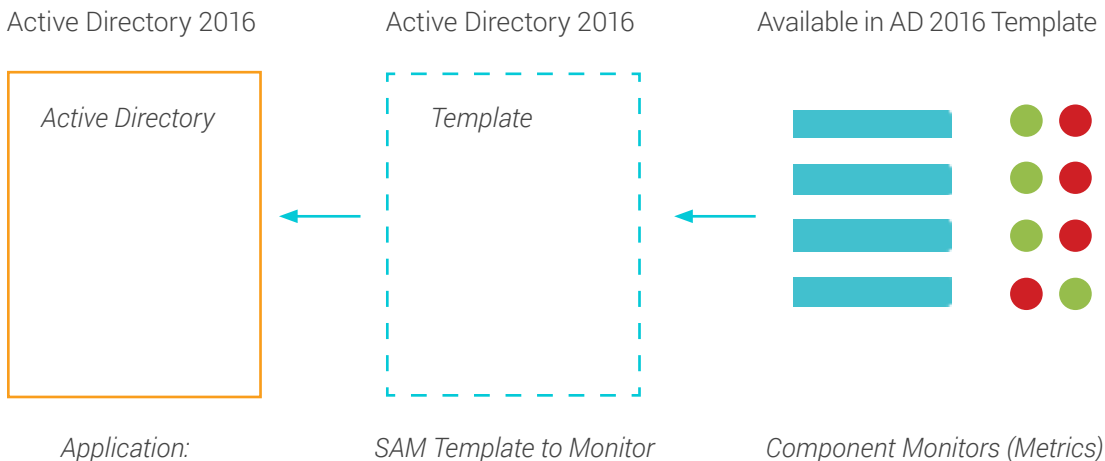
- » A wide range of storage vendors are supported out of the box. The Sysman Bundle offers templates for monitoring NetApp®, EMC®, Dell®, IBM, Hitachi®, HP®, Oracle, Xiotech, PureStorage®, etc.

Application Monitoring with Templates

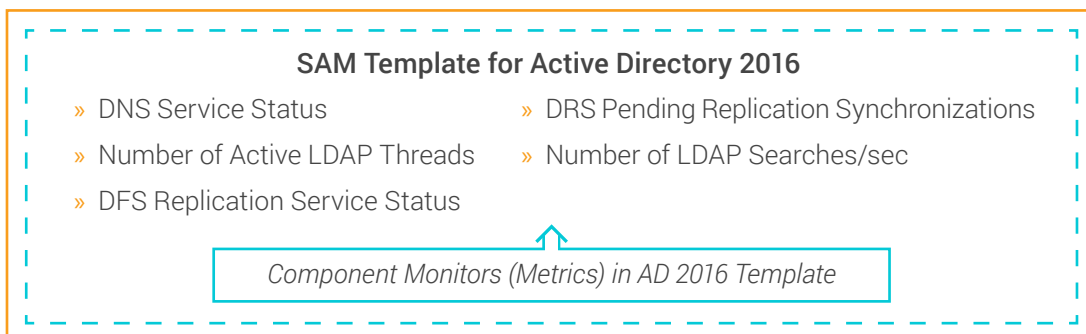
Don't let a monitoring tool dictate how you monitor your systems environments. The Sysman Bundle lets you choose between agentless and agent-based monitoring via WMI and SNMP protocols to poll monitoring information from applications, servers, virtual machines, and storage. Every module in the bundle can automatically discover all elements in your systems environment.

The Sysman Bundle uses templates to provide quick access to performance data for specific applications. A template is a blueprint that defines a set of component monitors designed to monitor a device or application. A component monitor is a metric that gets the current status or value of a monitored service or process.

For example, the Active Directory® monitoring template includes component monitors to measure and report on metrics, such as LDAP client sessions, DNS client service, directory read/sec and write/sec, etc. You can add even more component monitors to this template, or remove them as needed.

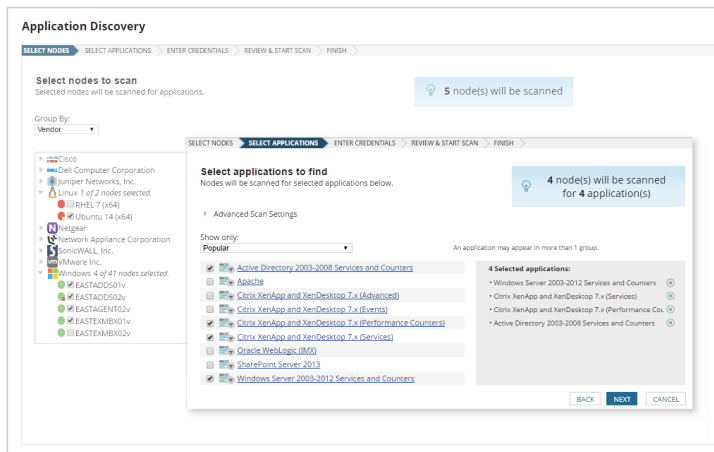


Benefits of Using Templates:



- » **Simplicity:** You don't have to change the component monitors of every individual application—just edit a single template and apply all changes to multiple applications.
- » **Flexibility:** Pick and choose component monitors for each template. Use only the monitors you really need and save on license costs.
- » **Power to Customize:** Easily modify templates, or create your own template for custom application from scratch.

Deep Application Monitoring with Built-In AppInsight Templates

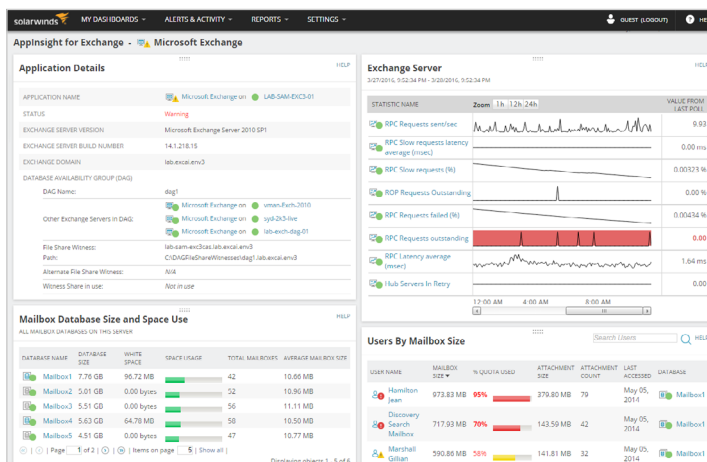


“Compared to SCOM, it's much easier with SolarWinds Server & Application Monitor to create custom monitors and application models, and monitoring and reporting Exchange status is greatly improved and less time intense. SolarWinds is much easier in that we feel like we control the monitoring solution instead of it controlling us!”

— David Speer, System Engineer, Skanska AB

One of the most important inclusions in the Sysman Bundle is its three out-of-the-box super templates: AppInsight™ for Microsoft Exchange, IIS, and SQL Server®. These templates solve complex problems via deep performance monitoring.

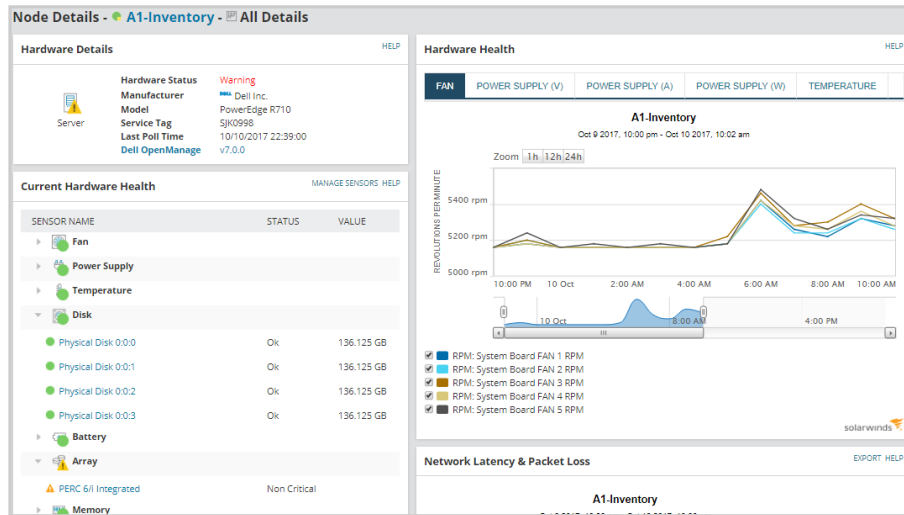
- » **Monitoring for Exchange Server:** View mailbox, database, status, and storage; identify replication issues; and monitor user mailbox activity
- » **Monitoring for Microsoft IIS:** Monitor the availability of websites and application pools, report SSL certificate expiration, and perform remote actions to start/stop pools
- » **Monitoring for SQL Server:** Proactively monitor database connections, error logs, SQL agent job status, index fragmentation, long-running queries, and more



Hardware Health Monitoring

Hardware failure is responsible for IT system outages more often than you would think. The Sysman Bundle monitors the status and performance of all critical server hardware components, such as fan speed, temperature power supply, CPU, battery, and more. Resolve hardware issues that impact application performance.

Hardware health metrics monitoring is available for Dell PowerEdge®, HP ProLiant®, IBM eServer xSeries servers, and VMware ESX®/ESXi hypervisor.



“The built-in AppInsight templates in SolarWinds Server & Application Monitor provides useful and intuitive data that can be viewed in a single pane of glass.”

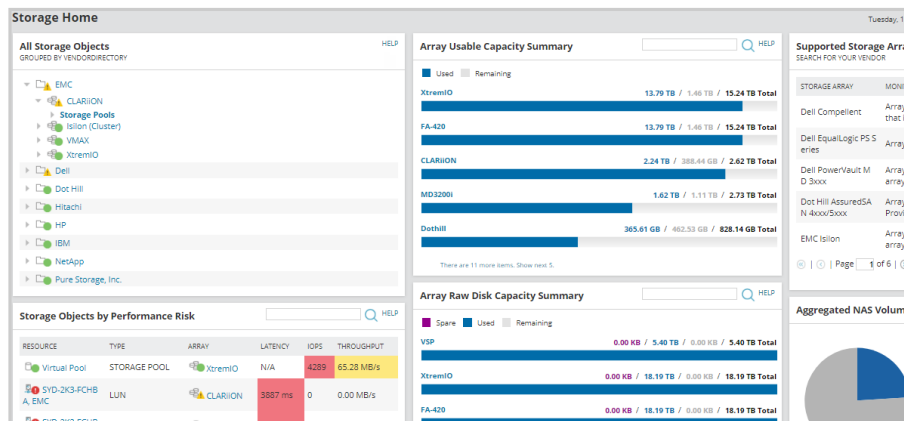
— John Marcial,
IT/Systems
Administrator, Carlson
Wagonlit Travel, Inc.

Capacity Planning and Forecasting

SolarWinds Sysman Bundle provides a detailed view of your server and storage resources, including CPU load, memory used, disk capacity, etc. Inspect servers' resource consumption in a single pane of glass and make accurate capacity forecasts.

Detailed Insight Into All Levels of Your Storage

The Sysman Bundle helps you instantly navigate all layers of storage, including arrays, storage pools, and LUNs. With just one click, you can seamlessly move from one layer to another. Each of these individual storage layers have a detailed storage dashboard that shows you all critical metrics, indicating performance and hardware health.



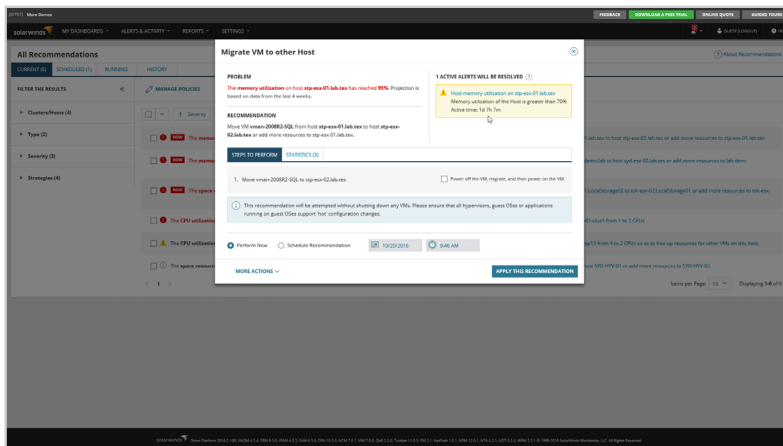
Connection Link Details

SolarWinds SAM helps you determine when any application slowdown is caused by application itself or a problem in your network infrastructure. SAM automatically discovers the relationships between applications and servers, based on active application communication and collects network connection statistics, such as packet loss and latency. You can monitor the flow of data between applications, processes, and nodes and discover any network-related issue before it escalates and influence your end-users.

» [Learn more](#) >>

Predictive Recommendations

Actionable intelligence helps you fix and prevent performance issues. The Sysman Bundle analyzes active and historical performance data to calculate recommendations for your unique virtual environment. Each recommendation consists of the description of an issue, an overview of the suggested solution, and step-by-step details. You can apply these multi-steps recommendation in a single click, or you can schedule it for future remediation.



Control VM Sprawl

Virtualization Manager offers a specialized dashboard that helps you deal with VM sprawl once and for all. This dashboard helps you reclaim wasted resources by identifying idle VMs, powered-off VMs, orphaned VMDK files, and snapshots. You can also view a list of top 10 VMs by under- and over-allocated CPU, memory, and disk capacity, which helps you optimize your virtual environment and save on additional resources.

“SolarWinds SAM is powerful and easy to use, and it helps narrow down the root cause of performance issues. Monitoring health of server hardware and Windows services has been one the most useful features of SolarWinds SAM.”

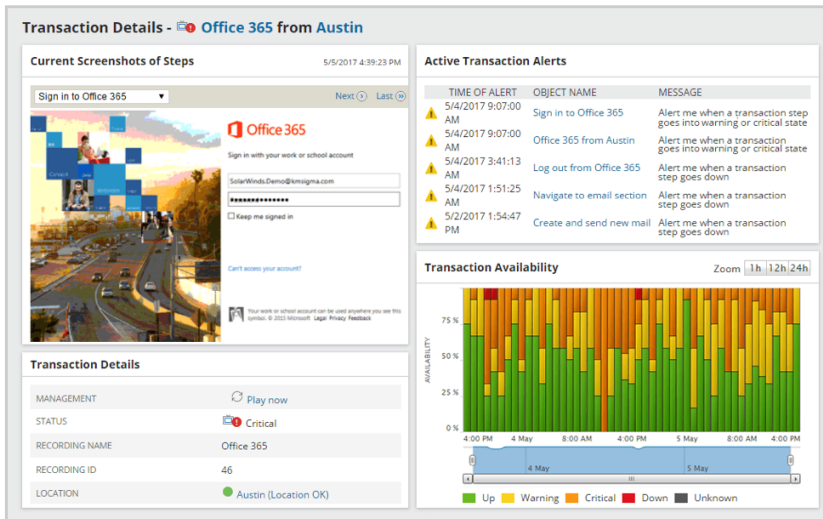
— Varughese Mathew,
Systems Engineer, Genex
Services, Inc.

“If you manage a virtual environment, you will wonder how you ever lived without the peace of mind and efficiency that VMAN adds to your arsenal.”

— Austin Bynum, Vice
President Information
Technology,
TexasBank

Continuous Synthetic Transaction Monitoring

Experience your applications like a user. Record a complex, multi-step transaction with a browser-based recorder, even if you don't have any scripting knowledge, and run critical transactions as frequently as every five minutes.



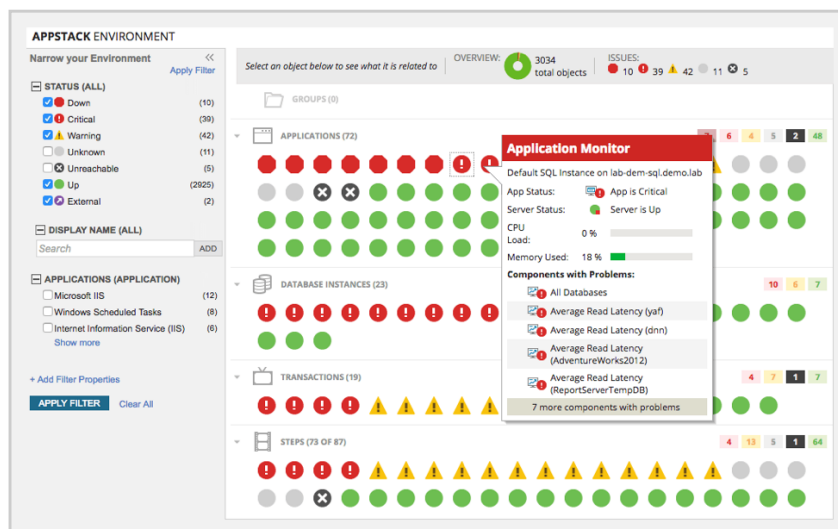
“SolarWinds Virtualization Manager's ability to recover wasted resources makes it stand out. Its VM Sprawl Control feature is the best tool among the compared products that tracks down abandoned and over-allocated VMs to reclaim wasted resources.”

— Brien Posey, Microsoft MVP,
SearchVirtualStorage.com

Application Infrastructure Dependency Mapping

Discover and troubleshoot application issues like never before. The AppStack™ dashboard shows you all performance information across the application stack with relationships between various elements of your environment. You can start your inspection wherever you want—with a single click, all relevant elements are highlighted across multi-vendor applications, servers, hypervisors, and storage arrays. With all that information, you can easily find the root cause of a problem and troubleshoot it as soon as possible.

- » [Learn more about AppStack dashboard in the Success Center](#) >>
- » [How to troubleshoot SharePoint® issues faster with AppStack](#) >>
- » [View the AppStack dashboard online demo](#) >>



“If a network guy is pointing a finger to a virtualization or a storage person, we can now integrate all of those products together in one dashboard (AppStack™) and understand what's happening in each of them.”

— Kasey Kollar, Program Director of Technology,
Bucks County Intermediate

Accelerate Problem Identification and Resolution with Cross-Stack IT Data Correlation

When it comes to troubleshooting performance issues within your IT environment, you likely have different data types. Whether you are looking at network interface utilization, application performance counters, VM host memory utilization, or storage IOPS, PerfStack™ allows you to compare these data types side by side. Simply drag and drop the metrics of interest to the chart and the PerfStack dashboard will overlay them for easy correlation and performance analysis.

You're alerted to an application slowdown at 10:03 a.m. on a Friday. How do you know if the cause is in the network, your systems, or your storage? With PerfStack, you can visually correlate data from each of these entities on a common timeline to help you solve problems faster and reduce the impact to your end-users. No need to switch from tool to tool to identify root cause.

Last but not least, you can easily share your new analysis project with other members of your IT department. The only thing you have to do is generate the URL and send it to others. They'll see the same data presented in an intuitive dashboard.

» [Learn more](#) >>

» [Watch the SolarWinds Lab™ episode dedicated to PerfStack](#) >>



Pre-Packed Alerts and Reports

SolarWinds Sysman Bundle offers many pre-built alerts and reports that allow you to get started immediately. All of them are easily customizable, so you can modify them to suit your needs. Or you can create your own reports or alerts from scratch.

The Sysman Bundle's alerting engine is able to:

- » Define device dependencies to help ensure you don't receive any unnecessary alerts. The system prevents floods of useless messages that could prevent you from seeing the important ones.
- » Configure alerts for correlated events (alert if X and Y are true), and sustained conditions (alert if Y is true for more than five minutes).
- » Dynamically calculate baseline thresholds and set up alerts based on network baseline data.
- » Escalate alerts automatically through a variety of alerts delivery methods.

Automate report generation and delivery with over 100 out-of-the-box reports available in SolarWinds Sysman Bundle. Of course, you can easily modify them or create new ones. Would you like to share any part of your dashboard? No problem, you can easily export and send any part of any dashboard as a report as well.

CUSTOMER TESTIMONIALS

“SolarWinds SAM is a great choice. Make sure to capitalize on product support to plan and implement.”

– Mike Grandy, Incident Manager, Workplace Safety & Insurance Board

“On a number of occasions, SolarWinds Server & Application Monitor has helped us troubleshoot performance issues with virtual machines. SolarWinds Server & Application Monitor allowed us to discover that a storage area network or other bottlenecks were causing the issue.”

– IT/Systems Administrator, Non Profit

“SharePoint web portal wouldn't launch. Checking on Server & Application Monitor led me to identifying where the issue was and that was the IIS server. I restarted IIS, and the SharePoint application was able to run.

After deploying SolarWinds, identifying and troubleshooting application issues has become over 100% faster.”

– Hezekiah Omulo, IT/Systems Administrator, Kemri – Wellcome Trust Research Programme

ADDITIONAL RESOURCES

- » [Product Page](#)
- » [Success Center](#)
- » [Datasheet](#)
- » [Getting Started Guide](#)
- » [Online Demo](#)
- » [Training Videos](#)
- » [Introduction Video](#)
- » [THWACK Forum](#)
- » [Case Studies](#)

ABOUT SOLARWINDS

SolarWinds provides powerful and affordable IT management software to customers worldwide, from Fortune 500® enterprises to small businesses, managed service providers (MSPs), government agencies, and educational institutions. We are committed to focusing exclusively on IT, MSP, and DevOps professionals, and strive to eliminate the complexity that our customers have been forced to accept from traditional enterprise software vendors. Regardless of where the IT asset or user sits, SolarWinds delivers products that are easy to find, buy, use, maintain, and scale while providing the power to address key areas of the infrastructure from on-premises to the cloud. This focus and commitment to excellence in end-to-end hybrid IT performance management has established SolarWinds as the worldwide leader in both network management software and MSP solutions, and is driving similar growth across the full spectrum of IT management software. Our solutions are rooted in our deep connection to our user base, which interacts in our [THWACK online community](#) to solve problems, share technology and best practices, and directly participate in our product development process. Learn more today at www.solarwinds.com.

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