We know that keeping up with all the new technologies and changes in your IT environment is a challenge—especially as data center networks move beyond traditional LAN/WAN switching and routing to a true network fabric that incorporates physical devices, virtual networks and proprietary networking. All the while, virtualized data center and private cloud initiatives are piling on top of the need to deliver 100% availability of a constantly changing network—and often with no additional resources to help. How can you possibly keep up?

We know the challenges you face, because we’re network engineers and system administrators just like you. We know what it takes to manage complex, evolving networks and data centers. In fact, we pooled all of our “what if’s” to design Orion Network Performance Monitor (NPM)—a powerful, yet easy-to-use, network availability and performance management solution that delivers the critical information you need to stay on top of your evolving network.

Orion NPM enables you to quickly detect, diagnose, and resolve network performance problems and outages—before you start getting calls asking if the network is down. And Orion NPM is the easiest product of its kind to deploy, use, and maintain. That means you can spend your time actually managing your network, not supporting your network management software. Plus, with one-hour, do-it-yourself deployment, you’ll be monitoring immediately, instead of filling out statements of work for more consultants. See how easy network management can be with Orion NPM!

**Orion NPM Highlights:**

- Monitors and analyzes real-time, in-depth, network performance statistics for routers, switches, wireless access points, servers, and any other SNMP-enabled devices
- Monitors VMware® servers and automatically tracks VM performance through vCenter™
- Monitors virtualized Cisco® Nexus 1000V switches with the same ease as physical servers
- Monitors VSAN and Fibre Channel performance issues with real-time, threshold-based alerting and reports that show VSAN health
- Simplifies the management of your Cisco Unified Computing System™ (UCS) components by providing a single unified view of your data center network health
- Allows you to quickly view the status of your core IT services and data center through refined alerting that dynamically groups related systems and devices
- Delivers alerts on real issues by enabling advanced network alerting dependencies for correlated events, sustained conditions, and complex combinations of device states

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“I have continued to watch this product evolve since version 7.0 and have always found the interface and built in tools helpful and well thought out. The drill downs into more detailed reports on interfaces, nodes and resources have made this product a mainstay in the network... Definitely the best NPM product I have ever worked with.”

- eusbreeves posted on solarwinds.com
NetFlow Traffic Analyzer

- Periodically scans your network for changes, prompts you to monitor new devices, provides drag-and-drop update capabilities for your network maps, and automatically displays connections between devices
- Displays your network pictorially and enables you to visually track performance statistics in real time via dynamic network maps
- Enables quick and easily troubleshooting of network issues with SolarWinds LUCID™ (Logical, Usable, Customizable, Interactive, Drill-down) Interface
- Supports drill down on a device-by-device basis and display of detailed system information on your network device, server, virtual machine, or virtual or Fibre Channel switch
- Out-of-the-box reports deliver insight into the health of your network or data center
- Supports sharing of performance data with stakeholders who don’t have an Orion NPM login—easily schedule and export reports to a .PDF format
- Scales to accommodate growth and enterprise network management needs with a Failover Engine (FoE), multiple polling engines, and additional web servers
- Extends management capabilities to NetFlow traffic analysis, IP SLA monitoring, IP address management, network configuration management, and application and server performance
- Deploys in less than an hour with do-it-yourself deployment, no expensive consultants required
- Leverages your existing Microsoft® Active Directory™ user accounts to provide Orion login credentials

Orion NPM Features

Availability & Performance Management
Orion NPM provides comprehensive fault management and monitors performance and availability to ensure that your network is always running at peak performance. Via a cutting-edge web interface, Orion NPM gives you a unified view into the performance of thousands of nodes and interfaces on your network. From a single web page, you can monitor performance metrics from any SNMP-enabled device, including routers, switches, firewalls, and servers. Commonly monitored metrics include bandwidth utilization, packet loss, latency, errors, discards, and QoS. With Orion NPM, you get the information you need to quickly fix issues before your users ever have a chance to call the help desk.

LUCID Interface
Most software vendors claim their software is easy to use. But at SolarWinds, we are taking "easy-to-use" to a whole new level with our LUCID Interface. Based on feedback from thousands of engineers just like you, we have identified and implemented five critical interface attributes that simplify network troubleshooting.
- Logical – The SolarWinds LUCID interface presents network performance information in a logical and intuitive manner to help you quickly make informed decisions about your network. The interface precisely presents the information you need to quickly determine if your network is suffering from poor performance.

- Useable – Orion NPM provides a tremendous breadth of information in every view, yet the interface is very useable. Administrator tasks have all been designed to allow you to maintain the Orion system with just a few clicks of your mouse.

- Customizable – Rearrange Web resources, Top 10 views, modify time periods, and customize resources to meet your specific network environment. Easily tailor Orion’s maps to match so you can quickly discover any performance related issues.

- Interactive – Orion automatically updates your network’s latest performance indicators to help you quickly determine if any network issues could potentially impact users.

- Drill-down – View detailed information on virtually every device, performance indicator, and status link by simply drilling into respective hot performance indicators.

**ConnectNow™ Topology Mapping**

Orion NPM’s Network Atlas™ automatically maps your network, allowing you to view your network pictorially and visually track performance statistics in real time via dynamic network maps. With our exclusive ConnectNow technology, you can automatically discover and display the connections between network devices on your maps. Choose from several built-in geographic map templates or import a logical image of your own network based on floor, building, department, or larger geographic location. Multiple network maps can also be nested to provide drill-down capabilities.

**Conditional Group Dependencies**

Orion’s Conditional Group Dependencies allows you to intelligently define relationships between connected devices and/or interfaces. These dependencies allow you to receive a single critical alert if your core router goes down instead of an onslaught of hundreds of alerts for each of the connected devices and interfaces that are also down.

**Dynamic Service Groups**

Simplify monitoring for large and complex IT environments by logically grouping network devices, interfaces, servers or volumes. With dynamic service groups, you can monitor and aggregate views of servers, routers, switches, interfaces and other dynamic groups by service (E-mail), location, department or manufacturer.

**Message Center**

The Orion Message Center is your central view for all of the notification messages about your network performance. This consolidated view allows you to quickly troubleshoot network performance issues by analyzing SNMP trap and Syslog data from a single interface, instead of by polling various machines. Events
Orion NPM Modules:

- Application Performance Monitor
- IP Address Manager
- NetFlow Traffic Analyzer
- IP SLA Manager
- Network Configuration Manager

Orion NPM modules extend the capabilities of Orion NPM to network traffic analysis, VoIP infrastructure monitoring, IP address management, application monitoring, network config management, and server and application monitoring.

System Requirements

CPU Speed: 3.0 GHz; Hard Drive Space: 20 GB; Memory: 3 GB; Operating System: Windows 2003 and 2008 Server (32-bit or 64-bit) including R2, with IIS installed, running in 32-bit mode; .NET 3.5 Framework; Database: SQL Server 2005 SP1 / 2008 (Express, Standard, or Enterprise)

and alerts are also routed to this interface, allowing you to perform manual event correlation and basic root cause analysis.

Enterprise Scalability
Orion NPM ensures that your network will never outgrow your management solution. As a highly scalable, enterprise network management platform, Orion NPM can accommodate network growth through the addition of multiple polling engines, additional web servers, and an enterprise operations console.

Advanced Alerting
Orion NPM enables you to quickly and easily configure powerful network alert engines to respond to hundreds of different network scenarios, including multiple condition checks. These network alerts help you recognize and correct issues before your users experience performance degradation or availability issues. With alerting support for correlated events and sustained conditions, Orion NPM ensures that you don’t get paged at 3am unless there is a critical issue. Additionally, Orion NPM can automatically escalate network alerts until a problem is resolved.

Integrated Wireless Poller
While we all love the convenience of wireless, managing this technology can give you a headache like no other! Trying to monitor, secure, and support the multitude of wireless devices on the market today is a nearly impossible task… unless, of course, you have Orion NPM. Orion NPM’s Integrated Wireless Poller enables you to easily manage wireless thin and autonomous access points and their associated clients. Orion NPM can monitor your wireless devices alongside your wired devices and provide you with alerts, reports, and Top 10 lists for your wireless infrastructure!

Universal Device Poller
Out of the box, Orion NPM ships with a MIB database that covers the vast majority of common network devices. But for that handful of odd devices that are lurking in your network—or for newer devices that have MIB tables—you can now collect valuable and highly detailed management data. Orion NPM makes it easy to create a custom poller to monitor any SNMP-enabled device value that has a MIB, including virtually any statistic that a network device records. You can also customize how you want the collected data displayed for graphing, alerting, and reporting purposes. And, using the MIB Transformation Wizard, you can convert MIB values into the units of measurement that are most useful to you.

Integrated Virtual Infrastructure Monitor
We’ve designed Orion NPM to monitor virtualization comprehensively, from the data center, to the virtual machine, to the underlying network infrastructure. With Orion NPM’s integrated virtual infrastructure monitoring capabilities, you’ll gain deep visibility into your virtualized environments so you can ensure network performance helps, not hinders, your virtualization projects.

Orion NPM communicates directly with VMware infrastructure to determine how the host servers are
performing and to gauge the health of individual virtual machines. Information is rolled up at each of the hierarchical layers (vCenter -> Data Center -> Clusters -> Hosts -> VMs), so you can quickly determine if your virtualized infrastructure is performing poorly. You’ll gain insight into statistics such as CPU and memory utilization, disk usage, guest OS, network usage, effective CPU load, and more—making it easy to ensure that applications are performing well and that the virtual and physical resources on the server are optimized.

Mobile Views
With Orion NPM’s new Mobile Views, you can monitor your network performance from popular mobile web browsers including iPhone®, Blackberry®, and Android™ allowing you to unchain yourself from your desk and work station.

Report Writer
Orion NPM’s advanced reporting engine enables you to quickly generate custom network reports that can be exported to pdf, printed or viewed on the web. Shipping with numerous built-in reports, Orion NPM makes it easy to report on performance data over specific time periods or by network segment.

Microsoft Active Directory Integration
Leverage your existing Microsoft Active Directory user accounts and groups to allow users to log into Orion using custom username/password or optionally use AD pass-through login to bypass the login screens altogether. As an administrator, you can customize each account or group and specify which types of information are displayed within the Orion interface for a particular department, group, or user. This ensures that only the people who need to view specific information have access to it, providing an increased level of internal security.

VSAN Summary
With dedicated views into VSAN devices, you’ll be able to quickly see how much traffic is passing through each device and interface, which ports belong to which VSANs, what type of media the devices are leverage, and much more. Threshold based alerting allows you to get ahead of any VSAN performance issues so you’re the first to find out (and fix) any issues before users start complaining.

Cisco Unified Computing System (UCS) Support
By uniting computing, networking, storage access and virtualization into a next generation data center platform, Cisco’s Unified Computing System (UCS) revolutionizes the virtualized environment. Orion Network Performance Monitor (NPM) simplifies the management of your Cisco Unified Computing System (UCS) components by providing a single unified view of your data center network health.

Community Content Exchange
Have you discovered thwack, the SolarWinds community for IT pros? The useful information, tools and other valuable resources on thwack are now directly integrated into Orion NPM’s interface. By deploying Orion NPM and using thwack, you’ll be joining a community of thousands of network engineers who can help make your job easier. Having the power of thousands of engineers behind you brings many benefits, especially when it comes to sharing resources. On thwack, Orion customers share everything from custom reports, custom alerts, and custom views to application monitoring templates.
Automated Network Discovery
Maintaining a real-time list of network devices is no small task for today's dynamic networks. It's hard to keep track of your multiplying numbers of network devices, which is why we've designed Orion NPM's Network Sonar to automatically discover new devices that are added to your network. When new devices are discovered, Network Sonar checks your existing SNMP credentials and prompts you to begin monitoring the new devices. You can also leverage the built-in Network Atlas to quickly create and update your network maps and display connections to the new devices, ensuring your network maps are always up to date.

Cisco EnergyWise Monitoring
Cisco EnergyWise focuses on reducing the energy consumption of all devices connected to a Cisco network ranging from Power over Ethernet (PoE) devices, such as IP phones and wireless access points, to IP-enabled building and lighting controllers. EnergyWise technology gives you a framework for discovering, monitoring, optimizing, advising, and regulating energy needs for your business. Cisco EnergyWise encompasses a highly intelligent, network-based approach to communicate messages that control energy between network devices and endpoints.

Role-Based Access Control
Orion NPM allows you to establish unique accounts and specify which types of information are displayed within the Orion interface for a particular department, group, or user. This ensures that only the people who need to view specific information have access to it, providing an increased level of internal security. For example, Orion NPM can be configured so that the server team only sees the servers, while the Texas IT group has a view limited to the geography for which they are responsible.

Do-it-Yourself Deployment
Deploying Orion NPM is a simple three-step process. First, install and configure Orion NPM using a simple wizard interface. Next, let Orion NPM automatically discover your network. Finally, begin monitoring your network for fault and performance issues. You'll be done in less than an hour. No consultants required. Even better, with Orion NPM's intuitive web interface, you won't need to attend training classes, read books with large animals on the cover, or pour through manuals to start being productive with Orion NPM from day one.

For additional information, please contact SolarWinds at 866.530.8100 or e-mail sales@solarwinds.com.
To locate an international reseller near you, visit www.solarwinds.com/distributor/locator.html