**NETWORK PERFORMANCE MONITOR AT A GLANCE**

* Speed troubleshooting, increase service levels, and reduce downtime with **multi-vendor network monitoring**
* **Measure the health of the logical network in addition to the physical network** with Cisco ACI ® and Azure ® VNet gateway support
* **Simplify the management of complex network** devices by monitoring the right information for each device’s unique role in the network with Network Insight™ features
* **Critical path hop-by-hop analysis** for on-premises, hybrid, and cloud services
* Cross-stack network data correlation for the acceleration of **problem identification** with the **PerfStack™ dashboard**
* Improve operational efficiency with out-of-the-box dashboards, alerts, and reports

**Features**

* **Monitor Azure vNet Gateway Visibility:** NPM gives organizations the ability to troubleshoot VPN issues with a clear picture of both sides of their VPNs for improved connectivity.
* **Scalability**: Scale to up to one million elements per instance (with appropriate licenses).
* **SD-WAN Monitoring**: Enable SD-WAN Orchestrator dashboards and edge device monitoring. See release notes for latest supported devices.
* **Fault, Performance, and Availability Monitoring**: Quickly detect, diagnose, and resolve network performance issues and avoid downtime with network optimization software.
* **NetPath™: Hop-by-hop Analysis Along Critical Paths**: View performance, traffic, and configuration details of devices and applications that are on-prem, in the cloud, or across hybrid environments.
* **PerfStack: Cross-stack Network Data Correlation**: Accelerate identification of root cause by dragging and dropping network performance metrics on a common timeline for immediate visual correlation across all your network data.
* **Customizable Topology- and Dependency-aware Intelligent Alerts**: Respond to multiple condition checks, correlated events, network topology, and device dependencies. Dynamic
* **Network Discovery and Mapping**: Automatically discover and map devices, performance metrics, link utilization, and wireless coverage.
* **Automated Capacity Forecasting, Alerting, and Reporting**: Automatically calculate exhaustion dates using customizable thresholds based on peak and average usage.
* **Logical and Physical Network Monitoring in One Tool**: Monitor logical components of the SDN environment, including APICs, tenants, application profiles, endpoint groups, and physical entities with Cisco ACI support.
* **Intelligent Maps**: Intuitive aggregation and visualization of data helps you get to the root cause of issues faster, even in complex environments.
* **Comprehensive Monitoring for Advanced Network Devices:** Visualize and gain insight into the health and performance of your F5 ® BIG-IP® loadbalancers, Cisco ASA and Palo Alto Networks ® firewalls, and Cisco Nexus® switcheswith Network Insight features.
* **End-user Quality of Experience with Packet Capture and Analysis:** Determine if changes in end-user experience are caused by the application or the network.
* **Dynamic Statistical Network Performance Baselines:** Dynamically calculate baseline thresholds from historical network performance data.
* **Hardware Health Monitoring**: Monitor, alert, and report on key device metrics, including temperature, fan speed, and power supply.
* **Customizable Performance and Availability Reports**: Schedule and generate custom network performance reports with one of over 100 out-of-the- box templates.
* **Easy-to-try, Easy-to-buy, Easy-to-use Network Monitoring Software**: Enjoy a free, fully functional 30-day trial, consultant- and services-free deployment, and customizable web-based network performance dashboards, views, and charts.

**Comparison Between SolarWinds and Nagios**

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| --- | --- | --- |
| Features | SolarWinds | Nagios |
| **Automatic Network Scanning and Discovery / Mapping & Topology Diagrams** | SolarWinds is extremely good at Automatic discovery and mapping / topology diagrams. There is easy to find and use discovery features, and the mapping / topology can be auto generated (much easier than most snmp suites, which require you to build your own maps), and also built from scratch if you so desire. | Nagios can do IP sweeps, but you will need to manually specify the ranges and subnet masks, and force it to scan. As for topology, Nagios also has an auto-generated diagram option, which is quite nice. You may also do custom mapping with Nagios. |
| **Monitoring via SNMP, WMI, and ICMP** | SolarWinds is pretty comparable in this regard. They support SNMP, WMI, ICMP, and much more | Nagios are pretty comparable in this regard. They support SNMP, WMI, ICMP, and much more |
| **DB Monitoring** | SolarWinds is capable of monitoring SQL, MySql, Oracle, and more | Nagios supports Sql, MySQL, PostgreSQL, and MongoDB. |
| **QoS / SLA** | SolarWinds does support QoS monitoring, and can go extremely in depth in that respect | There are no support for QoS with Nagios, however. As for SLA, Nagios does not have a helpdesk ticketing feature, and the SLA capabilities involve measuring node uptime and keeping track of trends, and custom alerts |
| **Computer / Server Hardware Health** | SolarWinds however, can support a wide variety of hardware health metrics, and can generate reports of uptime and availability with ease. | Nagios does not appear to have any form of temperature or voltage sensors readily available. There is the possibility to add plugins from Nagios or third parties, which could potentially support this |
| **Monitoring (CPU, Memory, Network Cards)** | SolarWinds can measure all of these as well, and this information is easily added to the dashboard with built-in graphs and charts | Nagios is capable of monitoring CPU usage, memory usage, disk usage, and specific services / processes |
| **Web Server Monitoring (IIS, Apache)** | SolarWinds will require the Server and Application Monitor program which is a base program separate from the Network Performance Monitor to accomplish this sort of scanning. | Nagios is capable of monitoring a specific web site, but is not natively able to monitor IIS directly. The same goes for Apache, NGINX, or any form of web server |
| **Active Directory Monitoring** | SolarWinds will require a purchase of the Server and Application Monitor program to perform this type of scan as well. | Nagios does support LDAP monitoring, and you may monitor replication errors using event traces. However, these must be manually set up, and there is not really a quick method of doing this. |
| **VM HyperVisor Monitoring** | SolarWinds requires the Virtualization Manager program to monitor different types of hypervisors | Nagios is natively able to monitor VMWare and VMWare alone. |
| **Application Monitoring** | SolarWinds supports this right off the bat. | Nagios is capable of keeping track of process and service uptime as well. |
| **Reports and Graphs of Historic Trends** | SolarWinds has an even larger selection of graphs and metrics available | Nagios has a very nice repertoire of default reports, with customizable graphs and slightly customizable screen layouts |
| **Pricing** | $2,975 | Standard Edition - $1,995, Enterprise Edition - $3,495 |
| OS Compatibility | Windows Server | RHEL, CentOS, Oracle Linux, Debian, Ubuntu |