

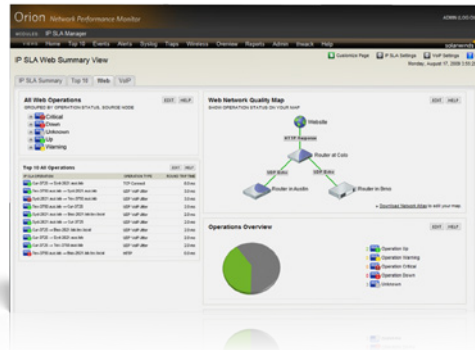
# Orion IP SLA Manager

ORION NPM MODULE

## Get a New Perspective on Your Network's Performance with Orion® IP SLA Manager, the Next Generation of Orion VoIP Monitor

*“Cisco IP SLA allows me to quickly view the status of my remote branches’ connectivity, as well as prove SLA compliance when issues arise.”*

-wkcheng



Sure, your local applications at headquarters are running perfectly (as usual). So why do those pesky satellite offices keep reporting their applications are slow? It couldn't possibly be the WAN's fault... or could it?

Orion IP SLA Manager answers this question and much more. This new Orion NPM module allows you to monitor WAN performance by tracking key edge-to-edge router performance statistics using Cisco® IP SLA technology. Like NetFlow, IP SLA technology is included free in the IOSs of most Cisco WAN routers.

Orion IP SLA Manager evolved from our previous Orion VoIP Monitor to deliver a powerful solution for identifying site-specific and WAN-related network performance issues. This module identifies which devices on your network support IP SLA operations and automatically sets up operations, eliminating any guesswork. Finally, you can monitor key WAN applications by analyzing the performance of the underlying network protocols, including DNS lookups, FTP, HTTP, TCP connect, and UDP jitter. Of course, you can also continue to monitor VoIP call paths to ensure quality of service for your voice traffic. Go ahead and get a new perspective on your network with Orion IP SLA Manager!

### Orion IP SLA Manager Highlights:

- **Monitor WAN network performance** using IP SLA technology that's already built into your existing Cisco routers
- **Visualize site-to-site network performance** on a clickable, drill-down map
- **Discover and automatically setup** Cisco IP SLA-capable network devices with specific IP SLA operations
- Quickly review WAN performance to **determine the impact on key applications**
- View at-a-glance WAN performance with the **Top 10 IP SLA dashboard**
- Monitor **VoIP performance statistics**, including MOS, jitter, network latency, and packet loss

## Orion IP SLA Manager Features

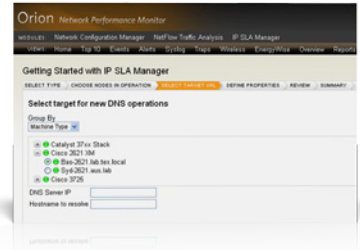
### WAN Performance Dashboard

Monitoring WAN performance has never been easier. In fact, Orion IP SLA Manager allows you to build a custom dashboard that gives you at-a-glance insight into all aspects of WAN performance, including a global snapshot of all of your IP SLA operations. Handy Top 10 lists detail critical IP SLA performance statistics, while WAN performance maps make it easy to visualize site-to-site network performance, including the direction of performance issues. Changes on the map help you quickly determine if a site is experiencing poor performance, so that you can troubleshoot the connection to Hong Kong, knowing that your office in Frankfurt is sitting pretty.



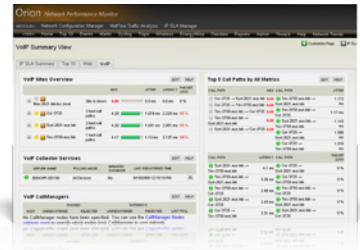
### Automatic IP SLA Setup

With Orion IP SLA Manager, setting up IP SLA operations on your edge routers and switches is a snap. You won't need any complicated CLI commands to get started; just a few clicks of your mouse and you're off. First, select from a list of IP SLA operations you'd like to monitor. Next, choose the network devices that you'd like to apply the IP SLA operations to. Orion IP SLA Manager will automatically determine which devices support the IP SLA operations you selected and begin monitoring them. Before you know it, you'll be in IP SLA monitoring bliss with enough time to spare for one more game of Warcraft®!



### Advanced VoIP Monitoring

Orion IP SLA Manager uses Cisco IP SLAs to collect network performance statistics without intruding on voice calls. These statistics include MOS, jitter, network latency, and packet loss, giving you detailed visibility into VoIP performance. Plus, Orion's web console offers a unified view of overall network health as it relates to VoIP performance, as well as a one-stop shop for alerts and reporting.



### Broad IP SLA Operation Support

With Cisco IP SLAs, you can ensure new IP applications, as well as IP services that utilize data and voice, all meet defined thresholds. IP SLA technology allows you to measure transport metrics from a Cisco IP SLA-capable device to another Cisco router, or even to other types of IP devices. This gives you the ability to measure performance from many different points in your network at the same time.



MODEL	MANAGED IP SLA SOURCE DEVICES:
IP SLA 5	Up to 5
IP SLA 25	Up to 25
IP SLA 50	Up to 50
IP SLA X	Unlimited

Orion IP SLA Manager supports popular IP SLA operations, including:

- **HTTP** – Measure the round-trip time to access a Web page
- **FTP** – Measure the round-trip time to transfer a file
- **DNS** – Measure the DNS look up time (time to request and receive a reply)
- **DHCP** – Measure the round-trip time to retrieve an IP address
- **TCP Connect** – Measure connection time, which is useful for application and server monitoring
- **UDP Jitter** – Measure round-trip delay, one-way delay, one-way jitter, and one-way packet loss
- **VoIP UDP Jitter** – Measure VoIP call path metrics
- **ICMP Echo** – Measure round-trip delay
- **UDP Echo** – Measure response times between IP SLA nodes using IP

### Orion NPM Modules:

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

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

### System Requirements

As an Orion module, Orion IP SLA Manager requires an installation of Orion Network Performance Monitor. The system requirements for Orion IP SLA Manager do not exceed Orion NPM requirements.

### Alerts, Reports, and Events

Orion IP SLA Manager delivers alerts, reports, and events to keep you on top of WAN network performance. You'll know immediately if thresholds are violated, indicating that parameters are outside of what is considered "good" for a given WAN link, and can immediately start troubleshooting. Orion IP SLA Manager also enables you to analyze historical trends with graphs and reports, simplifying performance planning for existing deployments and measurement of expected WAN performance in advance of new deployments. Out-of-the-box IP SLA reports can be scheduled for automatic delivery, making it easy to fulfill your boss's request for weekly reports.