Observer Infrastructure

Manage IT Infrastructure and Device Performance

Maintaining device and route performance is key to ensuring the delivery of critical applications. Observer® Infrastructure (OI) is a powerful networking monitoring solution that provides the functionality and intelligence needed to ensure the network supports current and future business.

Leverage the power of performance monitoring technologies such as SNMP, WMI, WSD, IP SLA, WAAS, and NBAR to obtain network-wide views of device health and application performance. Connect OI to Observer Reporting Server (ORS) for a completely integrated view of network, application, and system health.

Transform infrastructure metrics into actionable information for use in problem prevention, optimizing performance, resource planning, and more.

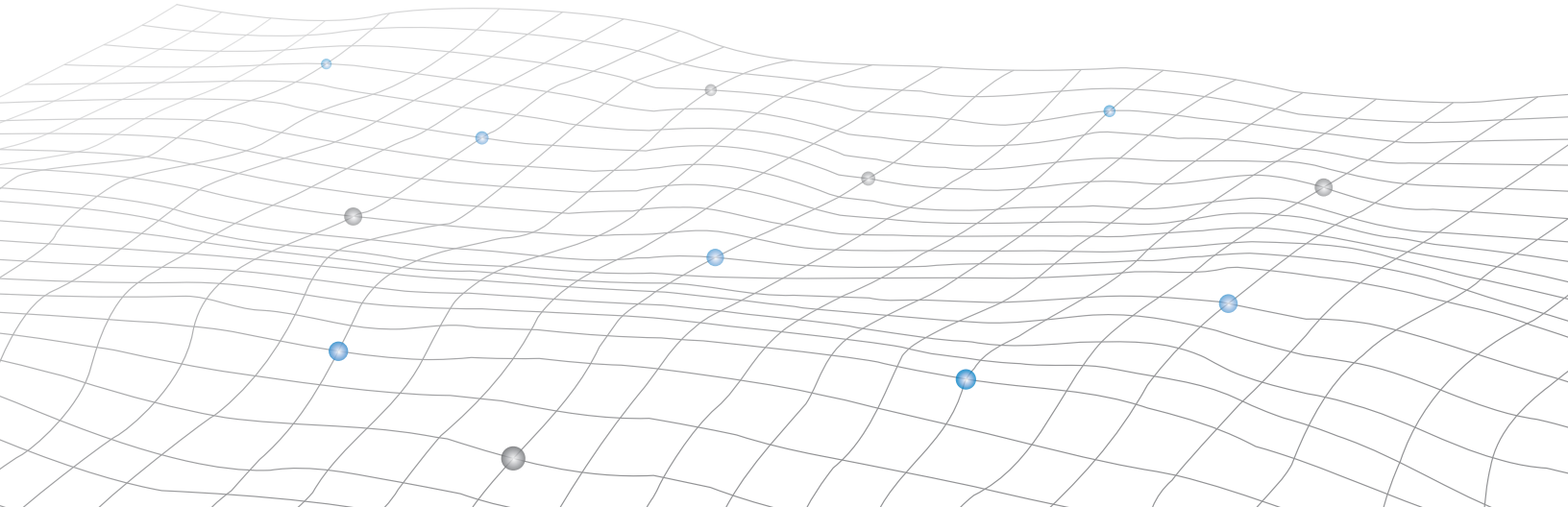
- Track the impact of infrastructure on business services and processes
- Actively discover, map, and monitor network devices
- Track asset and configuration changes
- Quickly isolate the source of degraded performance

Device Performance
(SNMP, WMI, and WSD)

Route Performance
(IP SLA, NBAR, and WAAS)

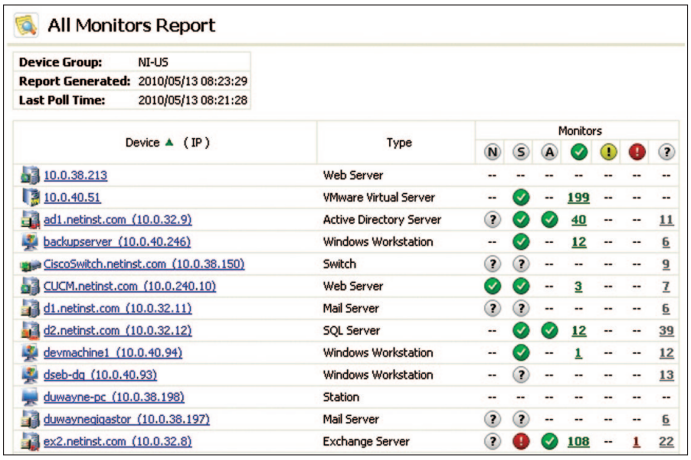
Discovery and Mapping

Event Notification



Manage Service and Device Performance

Quickly identify which devices, routes, and IP services are up or down and how they're performing. OI automatically detects and reports on device health using flow technologies including SNMP, WMI, WSD, IP SLA, NBAR, and WAAS. Use synthetic transactions to regularly assess the health of critical services. Intuitive graphs and table-based displays make it easy to manage IP services and the underlying infrastructure. All data is stored for long-term trending and analysis.



Intuitive interface displays service availability

SNMP, WMI, & WSD Monitoring

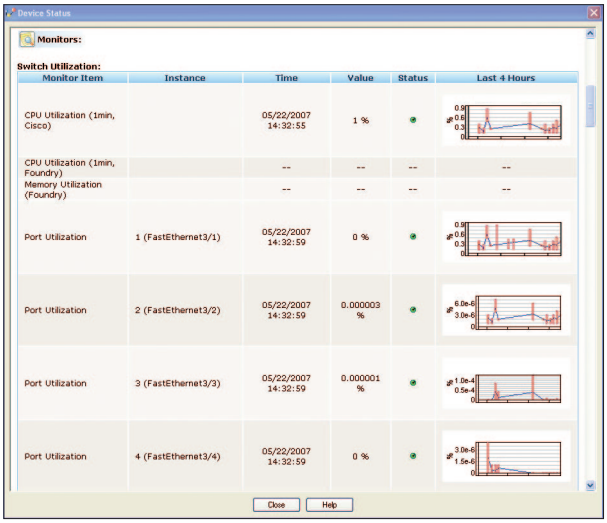
Leverage Simple Network Management Protocol (SNMP), Windows Management Instrumentation (WMI), and Web Service Data (WSD), and configure custom reports and alarms on any statistic the device can provide.

- Gather information on: Active Directory Servers, Host Resources, Internet Information Servers, printers, router utilization, SQL servers and switch utilization
- Monitor virtual servers and workstations
- Set user-configurable alarms and thresholds
- Graph and review statistics

Leverage IP SLA and NBAR

Cisco's IP Service Level Agreements (IP SLA) and Network Based Application Recognition (NBAR) flows provide network-wide views of application and service delivery and performance. Use these technologies to improve traffic visibility on the network without deploying a single network probe.

- Collect, trend, and report any IP SLA or NBAR metrics
- Observe performance between IP SLA-enabled devices and other remote devices
- Monitor common IP SLA operations, including UDP echo, IPv6 traffic, TCP connect time, DNS lookups, and HTTP get and response
- Track specific application components such as individual URLs or database queries
- View simulated VoIP calls between NBAR-enabled devices



Click on a device for statistics and reports

Tracking WAAS Metrics

OI also tracks Wide Area Application Services (WAAS) metrics.

- Identify the impact of Cisco WAN optimization on performance
- Overcome monitoring limitations created by WAN optimization
- Track server and network bottlenecks in a WAN-optimized environment

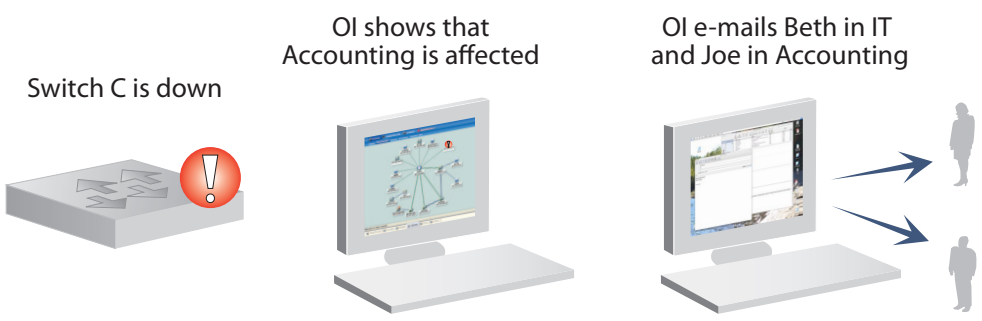
Proactive Service Monitoring

Use synthetic transactions to send specific requests to verify application services and related servers are responding correctly. Monitor response times and receive alerts when performance degrades.

Link Infrastructure to Business Performance

Use business groups to track the impact of devices and resources on business services and processes. Organize network devices into specific subsets based on geography, department, device type, application service, or any other basis. Combined with alarms, they allow instant visibility into the area of the business needing attention.

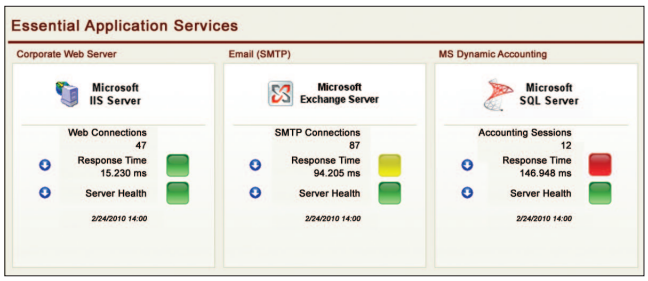
- Prioritize problems based upon their impact on business processes
- Review reports, monitor resources, track inventory by business group
- Drill within groups for easy sub-level analysis



Complete Performance Management

Seamlessly integrate Observer Infrastructure into ORS for a complete and aggregated view of performance. Track and correlate infrastructure health side-by-side with network and application views.

- Easily assess impact of infrastructure performance on overall enterprise
- Improve problem solving by isolating issue to application, network, or device
- View device performance in context of overall network and application performance
- Enhance planning capabilities by matching capacity trends with underlying devices details
- Autobaseline infrastructure metrics; be alerted to degrading performance



Monitor Server Health

GigaStor™ Integration

OI works seamlessly with the GigaStor retrospective analysis appliance to provide the ultimate troubleshooting flexibility. Use GigaStor to go back to the problem occurrence and see exactly what happened packet by packet, without having to recreate the issue.

Create Device and Route Maps

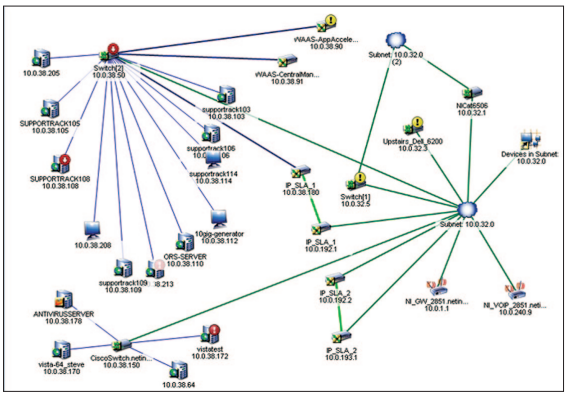
OI active discovery generates a map of any segment or group of systems on the network. The simple and effective interface provides a real-time, continuous visual grade of response times and health on all network assets and routes.

Map local and remote networks of any size

- Verify at a glance which devices are up or down
- Prioritize device problems based on their business impact
- Export device maps to Visio®

Monitor Routes

- Track response for hops and routes between OI and any IP-based device
- Establish route maps and be alerted to changes and delay
- Record uptime/response time and route flapping for QoS and SLA verification



Discover, view, and arrange devices graphically

Performance Reports and Asset Management

Customize, view, expand, and compare reports for in-depth analysis on routes, devices, and groups. Track statistics over time for use in network trending and resource planning.

Report types include:

- Alarms
- Business Group Status
- Device Events
- Response Time
- Alarm Log
- Inventory and Discovery Reports

View Data Remotely with Web Reporting

OI reports are accessible from anywhere on the network. Easily arrange and customize report views, compare time periods for deeper analysis, and password protect the data and reports.

Run Inventories for Asset Management

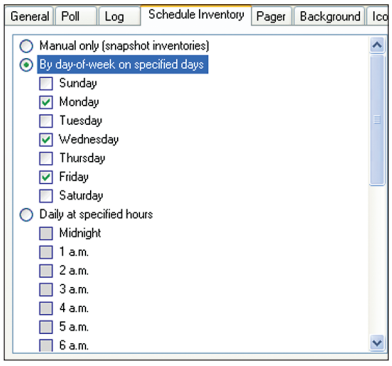
Record and monitor changes in items such as removable hard drives or installed software within devices.

- Run automatic inventories or take snapshots
- Create alarms for specific WMI and SNMP objects

Historical Data Analysis

Solve small problems before they escalate by tracking historical response statistics, including degradation.

- Review routes and response times for any recorded event or timeframe
- Log statistics for historical interpretation and baselining (choose days, months or years)
- Record device performance
- Identify whether a problem is intermittent or ongoing

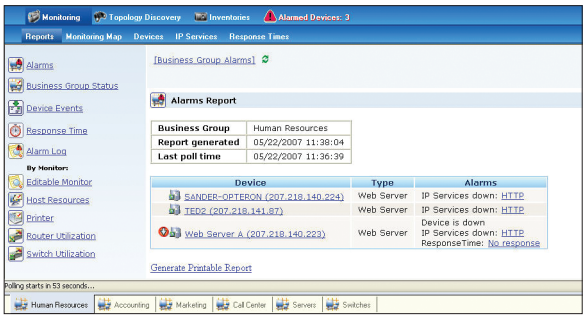


Scheduled Inventories

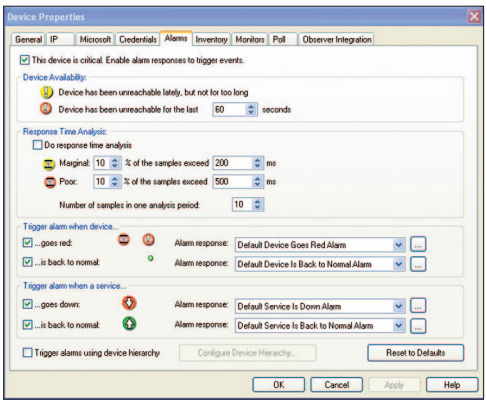
Event Notification

OI's alarms are highly customizable. Set alarms and adjust thresholds to alert you instantly to problems or changes in critical devices and routes.

- View alarms by business group or route
- Drill down for device status details
- Graph and compare alarm data over time
- Set alarms on SNMP and WMI objects



View alarms by group and drill down for details



Highly configurable alarm parameters

Deployment Options

OI provides a variety of deployment options to scale with your company's needs. Deploy OI as standalone software or appliance to monitor 100 or 500 devices. OI 100 and 500 can also be used as a collection device for remote sites to send information to OI Enterprise. The OI Enterprise appliance can monitor a virtually unlimited number of devices, and integrates with ORS to provide infrastructure metrics.

Observer Infrastructure Enterprise Appliance

Enterprise Scalability

- Use OI 100/500 to capture data locally and aggregate metrics to OI Enterprise
- Reduce network bandwidth demands by polling and processing locally
- Aggregate information across sites for global infrastructure health

About Network Instruments

Network Instruments, a leading provider of performance management and troubleshooting for fifteen years, helps organizations ensure the delivery of business-critical applications. The company's platform of management and reporting products provides comprehensive visibility into networks and applications to optimize performance, speed troubleshooting, and assist long-term capacity planning. Network Instruments achieved profitability in its first quarter and posted revenue growth every year since its founding – without any external funding. Headquartered in Minneapolis, the company has sales offices worldwide and distributors in over 50 countries. For more information, please visit www.networkinstruments.com.

Corporate Headquarters
Network Instruments, LLC • 10701 Red Circle Drive • Minnetonka, MN 55343 • USA
toll free (800) 526-7919 • telephone (952) 358-3800 • fax (952) 358-3801
www.networkinstruments.com

European Headquarters
Network Instruments • 4 Old Yard • Rectory Lane • Brasted, Westerham • Kent TN16 1JP • United Kingdom
telephone + 44 (0) 1959 569880 • fax + 44 (0) 1959 569881
www.networkinstruments.co.uk

OI-041210-V14-B1