

Network Performance Management

Solutions for Service Providers

OPNET's Network Performance Management solutions provide complementary capabilities leveraging OPNET's best-in-class analytics applied to an accurate, timely model of your network. They support the entire lifecycle of service provider network management—performing real-time visualization, rapid troubleshooting, network configuration assurance, and predictive planning and optimization.

OPNET enables service providers to better manage their revenue-generating networks

- Automatically **DOCUMENT** network configuration and connectivity to keep pace with frequent changes.
- **DIAGRAM** the physical and logical network, leveraging a detailed, comprehensive, up-to-date network model.
- **COMPLY** with security and regulatory standards (including PCI, SOX, HIPAA, FISMA), organizational policies, and best practices.
- **DETECT** changes in network topology, configuration, and performance and automatically assess impact.
- Automatically **AUDIT** the production network configuration on a regular basis to detect errors, non-compliance, and security gaps.
- **VISUALIZE** real-time network topology, traffic, and events in a unified graphical view with configurable dashboards to monitor key performance indicators.
- **ALERT** staff about critical network issues, and integrate with trouble-ticketing.
- Rapidly **TROUBLESHOOT** poor performance and network outages.
- **VERIFY** proposed designs by predicting impact on performance, utilization, and survivability.
- **PLAN** the cost-efficient deployment of new services and technologies, such as VoIP, VPNs, MPLS, and IPv6.
- **PREDICT** network performance and the impact of changes to reduce risk and accelerate new deployments.
- **OPTIMIZE** capacity and QoS to maximize the use of existing network resources. Ensure reliability and minimize the impact of failures.



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The use of OPNET across our radio, core and IP networks gives us the ability to model all facets of end-to-end customer experience with a single tool. Optimizing customer experience is the priority for the business, and the use of a single solution minimizes the investment in time and money required to achieve this.”

*Forecasting and Capacity Planning Manager
Orange UK*

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OPNET[®]
Application and Network Performance™

SP Guru® Network Planner

Network Planning and Engineering for Service Providers

SP Guru Network Planner performs “what if” analysis to manage risk and cost associated with network growth and change—accelerating VoIP and VPN service deployment, migration to new technologies such as MPLS and IPv6, and more.

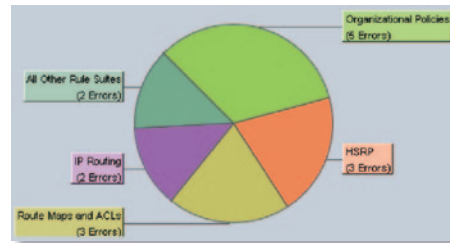
SP Guru Network Planner’s predictive environment produces resilient, cost-effective network designs. It trends network growth, optimizes resource utilization with traffic engineering, and plans MPLS and QoS configurations to achieve desired network performance and meet service level objectives.

SP Guru Network Planner inspects network utilization for current and future traffic demands, and identifies bottlenecks and network vulnerabilities.

SP Guru® Transport Planner

Transport Network Planning and Engineering

SP Guru Transport Planner designs resilient, cost-effective DWDM and SONET/SDH networks. SP Guru Transport Planner integrates with SP Guru Network Planner for IP-over-DWDM network planning, providing unique multi-layer traffic engineering capabilities to optimize network capacity and reliability.

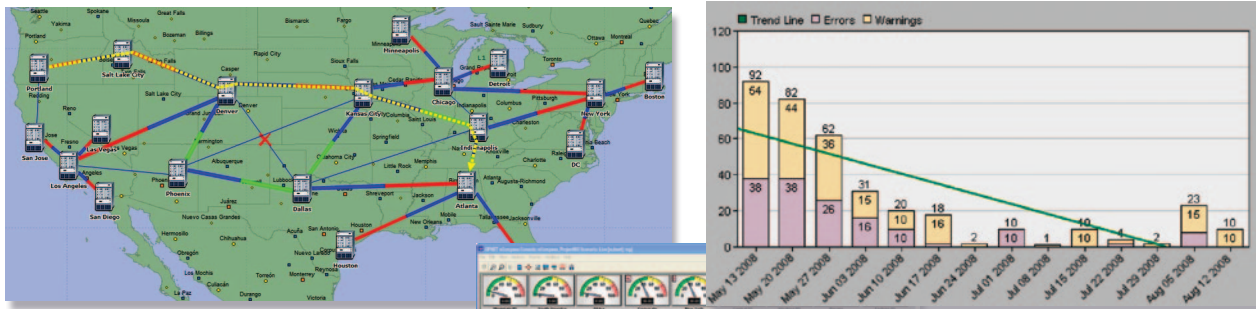


SP Sentinel®

Network Audit, Security, and Policy Compliance for Service Providers

SP Sentinel is a software appliance for ensuring network integrity, security, and policy-compliance. It performs systematic configuration audits, analyzing an up-to-date model of the production network to diagnose device misconfigurations, policy violations, inefficiencies, and security gaps. SP Sentinel enables organizations to reduce network outages, ensure network security, verify regulatory and policy compliance, and enhance staff productivity.

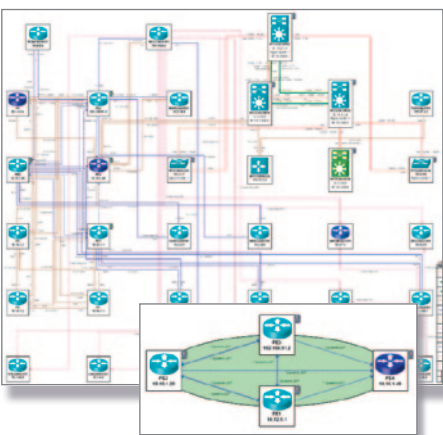
SP Sentinel audits your network regularly to pinpoint misconfigurations and security gaps, and ensures policy compliance.



SP NetMapper™

Automated Up-to-Date Network Diagramming

SP NetMapper accelerates network auditing and troubleshooting by automatically generating up-to-date Microsoft Visio® network diagrams on demand. Diagrams include detailed logical and physical device configuration information, and logical views of the network including Layer 2-3, OSPF, EIGRP, HSRP/VRRP, BGP, MPLS, PVCs, VLANs, VPNs, and device virtualization.



SP NetMapper Visio diagram



OPNET nCompass provides a single pane of glass for topology, traffic, status, and event updates.

OPNET nCompass™ for Service Providers

OPNET nCompass for Service Providers provides a unified, graphical visualization of large, heterogeneous production networks, including devices, their interconnectivity, traffic, and status. nCompass for Service Providers unifies data from a wide range of network management tools, providing consolidated views for more intuitive and productive navigation and analysis. Its geographical network dashboard is dynamically updated with real-time operational information. Third-party tools and programmed scripts can be launched from its console for deeper drill-down and assisted troubleshooting.

About OPNET Technologies

OPNET Technologies, Inc. is a leading provider of solutions for managing networks and applications. OPNET’s best-in-class solutions address Network Performance Management as well as application performance management.

OPNET solutions are used by network design and operations engineers for planning, optimizing, and managing complex networks, and have been operationally proven in thousands of customer environments including the world’s leading service providers.

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