

Juniper Networks J-Flow Support in SolarWinds Orion NetFlow Traffic Analyzer

Put the Brakes on Bandwidth Hogs with Orion NetFlow Traffic Analyzer

Challenge

Network engineers typically have very limited visibility into who is using network bandwidth and how they are using it. Without knowing which applications and users account for the most bandwidth usage, network engineers cannot easily diagnose network problems or properly match network capacity to business needs.

Solution

NetFlow Traffic Analyzer provides a new level of visibility into network traffic behavior and trends. By leveraging data from Juniper® J-Flow, NetFlow Traffic Analyzer provides an in-depth view into which users and applications are consuming the most bandwidth.

Juniper Benefits

NetFlow Traffic Analyzer helps you answer questions like:

- Which applications are consuming network bandwidth?
- Which users are generating the most traffic?
- Which IP addresses are my top talkers?
- Should I upgrade my WAN bandwidth? Why?
- What is the historical trend of bandwidth of my WAN and LAN links?

It never fails. The one time the CEO decides to open a file that lives on the network, everything is moving in slow motion. Even though your buddies in accounting are streaming music and the sales guys are watching some animal attack video over the network, this is on you. But not to worry, we have the answer.

Orion NetFlow Traffic Analyzer enables you to capture continuous streams of network traffic and convert those raw numbers into easy-to-interpret charts and tables that reveal exactly how the corporate network is being used, by whom and for what purpose. You'll never again "take one for the team"—unless you want to.

The Challenge

Network engineers typically have very limited visibility into what users are using network bandwidth and how they are using it. Without knowing which applications and users account for the most bandwidth usage, network engineers cannot easily diagnose network problems or properly match network capacity to business needs.

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Orion NetFlow Traffic Analyzer provides a new level of visibility into network traffic behavior and trends. By leveraging data from Juniper Networks J-Flow, NetFlow Traffic Analyzer provides an in-depth view into which users and applications are consuming the most bandwidth. NetFlow Traffic Analyzer converts J-Flow data into charts and tables, providing network engineers with an easy way to identify and isolate the cause and source of network problems, as well as provide historical performance information to help plan for future growth. Pie charts show the distribution of bandwidth across different types of traffic (HTTP, FTP, VoIP) and across different users. Line charts and area charts show usage patterns and traffic distribution over time. NetFlow Traffic Analyzer can also identify the source of external traffic inbound to the corporate network.

Features and Benefits

Top-to-Bottom Network Analysis Solution

NetFlow Traffic Analyzer enables network engineers to quickly examine flow data from Juniper devices, and to drill down into the data to determine traffic by user, application, department, conversation, interface, protocol and type of service bit in the J-Flow packet. Integration with Orion provides users with the deepest drill down across traffic patterns and into device performance, resulting in unprecedented visibility into usage, performance and availability statistics. Competitive offerings merely infer and estimate utilization data.

Optimized Storage Engine

NetFlow Traffic Analyzer includes a service that intelligently summarizes large amounts of raw J-Flow data, providing users quick access to historical data while minimizing storage costs. The raw data is replaced by the summary, allowing the customer to keep significant amounts of information ready for graphs and tables. In contrast, competitors either limit what the users can keep, or they create a large, hard-to-manage database with expensive storage costs.

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Enterprise-Ready Management Infrastructure

NetFlow Traffic Analyzer is built on the mature Orion network management platform, providing users with all of the enterprise scalability and stability benefits of Orion. In contrast, competitor products are relatively new standalone tools with little track record of standing up to the high volume of J-Flow data that will be generated by any but the smallest enterprise.

Increase Network Security

NetFlow Traffic Analyzer improves visibility into inbound traffic, exposing suspicious activities or anomalous patterns to identify a wide variety of intrusions, such as the SQL Slammer virus, and viruses that populate “fake” email traffic in hopes of overloading Exchange® servers.

Enable Analytical Capacity Planning

NetFlow Traffic Analyzer highlights trends in network traffic, allowing network staff to anticipate changes in bandwidth needs for different parts of the business and plan accordingly.

Solution Components

Orion NetFlow Traffic Analyzer supports Juniper Networks J-Flow. Customers will now benefit from being able to use SolarWinds Orion NetFlow Traffic Analyzer along with the NetFlow Real-time tool in the Engineer's Toolset to monitor J-Flow data from Juniper's networking solutions.

Summary

SolarWinds Orion NetFlow Traffic Analyzer has been enhanced to support Juniper Networks J-Flow to help businesses optimize their business networks. NetFlow Traffic Analyzer delivers the data necessary to identify areas experiencing bottlenecks and reassign bandwidth to areas of excess capacity without increasing spending. NetFlow Traffic Analyzer shows IT staff exactly what users are doing on the network, allowing them to adjust their efforts to fully support business priorities.

Next Steps

To learn more about SolarWinds Orion NetFlow Traffic Analyzer and its ability to leverage Juniper Networks J-Flow technology to optimize business networks, please contact your Juniper Networks representative for more information.

About SolarWinds

SolarWinds provides downloadable, enterprise-class network management software that is affordable, easy to use, and guided by a large and growing user community. Focused on the real-world needs of network professionals, SolarWinds products are simple to try, simple to use, and simple to maintain, while providing the power, scale, and flexibility needed by companies of all sizes. Backing these products is an innovative product development model that combines active user community input with decades of network management experience. More than 50,000 customers from small businesses to the largest enterprises rely on SolarWinds products to take the complexity out of managing their networks.

About Juniper Networks

Juniper Networks, Inc. is the leader in high-performance networking. Juniper offers a high-performance network infrastructure that creates a responsive and trusted environment for accelerating the deployment of services and applications over a single network. This fuels high-performance businesses. Additional information can be found at www.juniper.net.

To purchase Juniper Networks solutions, please contact your Juniper Networks sales representative at 1-866-298-6428 or authorized reseller.

