

LANGuardian and SolarWinds

Complete the picture with deep-packet traffic analysis and integrated user information.

“We used to receive switch interface busy alerts from SolarWinds indicating that the link to the remote campus was congested, but we had no idea what was causing the problem. Now that we have added the LANGuardian report to the SolarWinds Interface Details page, we can immediately see which systems are sending traffic down the link.”

– Rob Danskin
Network Engineer
NCG

Unrivalled network visibility

NetFort LANGuardian is software for investigating and monitoring activity on computer networks. The information provided by LANGuardian helps to reduce network downtime, eliminate wasteful bandwidth usage, and ensure compliance with privacy and security standards. LANGuardian can be deployed on any size of network from a small office to a global enterprise.

Network administrators and IT managers use LANGuardian for network forensics, troubleshooting bandwidth issues, and keeping track of Web activity and Windows file share activity.

Unlike other packet capture products, LANGuardian is a software-only solution that runs on industry-standard hardware and virtual environments. Because it gathers information from network traffic, there is no need to install agents or clients, making LANGuardian quick to install and easy to manage.

LANGuardian adds more network monitoring capability to SolarWinds dashboards. It is an ideal solution for SolarWinds users who:

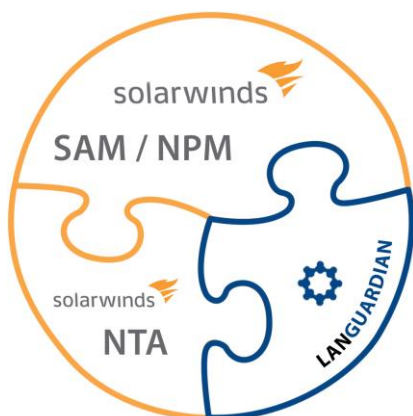
- Require a greater level of network visibility than NPM, SAM, and NTA can natively provide.
- Have devices on their network that do not support the NetFlow protocol.

Example: NPM can tell a network engineer that a switch interface or network node is busy. With LANGuardian integration, the engineer can drill down from the device to the traffic data – and from the traffic data, get a detailed breakdown by user, file, website or file share to accurately pinpoint **why** the switch is busy.

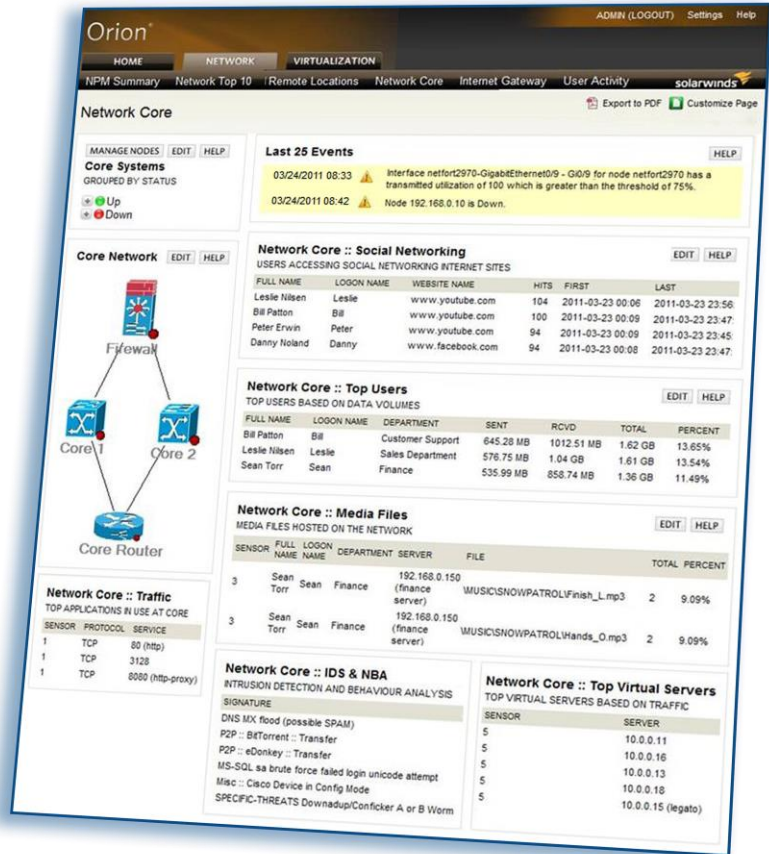
NetFort LANGuardian

LANGuardian provides full packet capture and deep packet inspection of network traffic. With DPI, network engineers can get the highest level of visibility into internal activity on the network – such as actual web pages accessed, files read and deleted, mail header fields, and the content of database queries. Key strengths include:

- **Troubleshooting**
Enables quick troubleshooting and problem-solving by drilling down from SolarWinds NPM device status or SAM server status to detailed traffic-based information about individual users, files, web pages, and applications.
- **Bandwidth usage**
Identifies the users and applications that are consuming bandwidth on a virtual network, LAN, WAN or Internet link. Provides drilldown from a SolarWinds NPM node dashboard to detailed information about bandwidth usage by users and applications on that node.
- **File share activity**
Reports on the files that have been deleted from a file share and who deleted them. Lists the users who have accessed a file or file share over a specific time period. Counts how many files of a given type are shared on the network.
- **Web activity**
Reports on the websites most frequently visited by users on the network. Enables organizations to track how much bandwidth is being consumed by visits to sites such as YouTube, Facebook, and Twitter.
- **Zero performance impact**
Has no negative effect on network performance.



NPM Network Performance Monitor
SAM Server and Application Monitor
NTA NetFlow Traffic Analyzer



Completing the picture

Together, SolarWinds and LANGuardian complete the network monitoring picture to give you a single point of access to performance information for the devices and servers connected to your network. With LANGuardian, you can perform additional root-cause analysis, including:

- Drill down into the traffic itself and see how it is distributed by port, IP address, and protocol.
- Determine the IP address of the client that is connected to the specified switch port.
- Drill down into the details for each client in cases where there are multiple clients connected to the interface (for example, because of a trunk port or virtual server).
- Identify the user name associated with a client.
- For web traffic, drill down further to see the details of websites and even web pages accessed through the interface. You can also identify the client by IP address and user name.

With the LANGuardian Integration Pack for SolarWinds, you can initiate these tasks directly from the SolarWinds dashboard.

Easy to deploy

LANGuardian is a software-only solution that runs on industry-standard hardware and virtual environments.

The only special requirement is that the PC or server must have two NICs (network interface cards) – one to collect the traffic data, and one to provide access to the LANGuardian user interface. When deployed in a virtual environment, LANGuardian can monitor internal virtual

traffic as well as traffic on the physical network.

Because LANGuardian gathers information from network traffic, there is no need to install agents or clients on devices connected to the network, making it quick to install and easy to manage. And because it uses port mirroring, it is not an inline device and therefore has no negative impact on network performance, or on the devices connected to the network.

LANGuardian is scalable and can be deployed on any size of network from a small office to a global corporate network.

Who uses LANGuardian?

LANGuardian is used by enterprise, healthcare, education, and government customers all over the world, including:

- Australia and New Zealand Bank Group Limited (ANZ Bank)
- Honda Canada, Inc.
- London School of Economics
- Red Bull Formula 1 Team
- Tyco US

- United States Navy
- University of Western Ontario
- Washington Gas
- Wembley Stadium
- Xilinx, Inc.

Live demo

You can see LANGuardian integrated with SolarWinds NPM on the NetFort live demo system:

demo2.netfort.com?AccountID=guest

Free trial

Installing LANGuardian on your own network is the best way to see what amazing information it can provide. Our 30-day free trial is easy to install and integrate with your SolarWinds environment. Download it from:

www.netfort.com/trial

Contact NetFort

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