

LANGuardian and SolarWinds Orion

Enhance your Orion implementation with deep-packet traffic analysis and integrated user information.

The NetFort technical support service is far superior to any that I have had experience with before. NetFort go the extra mile to keep regular contact with their customers and are always there when help is needed.

– Griff Phillips
ICT Services
University of Gloucestershire

Unrivalled network visibility

Orion® Network Performance Monitor software from SolarWinds gives the network engineer a single point of access to performance information for the devices connected to a network, including servers, clients, routers, and switches. With Orion NPM, it is possible to monitor the status of the devices themselves and their utilization of the network. The network engineer can see at a glance the overall network status, with the option to drill down into more detailed information about the status of specific devices.

LANGuardian from NetFort Technologies provides full packet capture and deep packet inspection of network traffic. With DPI, network engineers can get the highest level of visibility into activity on the network — such as actual web pages accessed, files read and deleted, mail header fields, and the content of database queries. Because LANGuardian connects to the core switch on a network, it can monitor and report on internal network activity such as access to intranet servers and file shares. LANGuardian also integrates with Windows and Active Directory, enabling it to produce reports that feature real user names instead of IP addresses.

LANGuardian complements Orion NPM and extends its capability by generating traffic-based reports that can integrate seamlessly into NPM dashboards. By displaying traffic-based data from LANGuardian side-by-side with its own device-based data, Orion NPM provides a single point of access to all the information a network engineer needs to monitor and troubleshoot a network.

NetFort LANGuardian

You can think of LANGuardian as a Swiss Army knife for your network. It is the only DPI product on the market that does not require bespoke hardware, and the only product that offers such a wide range of features at its price. It provides:

- Deep-packet inspection of traffic data
LANGuardian uses advanced deep-packet inspection techniques to collect detailed information about your network traffic, allowing you to drill down and see detailed information such as actual web pages visited, file operations, mail headers, and database queries.
- Monitoring at the core
LANGuardian monitors traffic flowing through your core switch, enabling it to capture and analyze internal network traffic. This is generally not possible with NetFlow analysis because NetFlow packets are generated only by routing devices.
- Detailed user information
LANGuardian retrieves user details and other information from Microsoft Active Directory and Windows domain controllers. By replacing IP addresses with user names, LANGuardian reports are more readable and more effective in troubleshooting network problems.
- Proactive alerting and reporting
LANGuardian can notify you when specified incidents occur or thresholds are breached, initiating actions such as SNMP alerts, emails, and notifications to third party systems.

Network Core :: Social Networking			
USERS ACCESSING SOCIAL NETWORKING INTERNET SITES			
FULL NAME	LOGON NAME	WEBSITE NAME	HITS
Leslie Nilsen	Leslie	www.youtube.com	104
Bill Patton	Bill	www.youtube.com	100
Peter Erwin	Peter	www.youtube.com	94
Danny Island	Danny	www.facebook.com	94

Network Core :: Top Users			
TOP USERS BASED ON DATA VOLUMES			
FULL NAME	LOGON NAME	DEPARTMENT	SENT
Bill Patton	Bill	Customer Support	645.28 MB
Leslie Nilsen	Leslie	Sales Department	576.75 MB
Sean Tarr	Sean	Finance	538.99 MB

Network Core :: Media Files					
MEDIA FILES HOSTED ON THE NETWORK					
SESSION	FULL NAME	LOGON NAME	DEPARTMENT	SERVER	FILE
3	Sean Tarr	Sean	Finance	192.168.0.150 (finance server)	MUSIC/SNOVPA
3	Sean Tarr	Sean	Finance	192.168.0.150 (finance server)	MUSIC/SNOVPA

Seamless integration with Orion

Integrating LANGuardian with Orion NPM is easy, involving two simple steps:

1. In LANGuardian, set up the report the way you want it to appear in Orion NPM.
2. In Orion NPM, create a custom HTML resource and add the code created by LANGuardian.

And that's it.

Easy to deploy

LANGuardian is a standalone system that can be deployed on standard PC or server hardware. A VMware virtual appliance is also available.

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 as a VMware virtual appliance, LANGuardian can monitor internal virtual traffic as well as traffic on the physical network.

Downloading and installing LANGuardian is quick and easy. Because it works by deep packet inspection of network traffic, there are no clients or agents to install. And because it uses port mirroring, it is not an inline device and therefore has no impact on network performance, or on the devices connected to the network.

LANGuardian is scalable and can be deployed anywhere from a single office to a global corporate network.

What does LANGuardian add to Orion NPM?

Orion NPM gives you a single point of access to performance information for the devices 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.
- Where there are multiple clients connected to the interface (for example, because of a trunk port or virtual server), drill down into the details for each client.
- Identify the user name associated with

the 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.

When installed on a dedicated physical PC or server, LANGuardian runs on industry standard hardware.

Who uses LANGuardian?

NetFort LANGuardian is used by a wide range of university customers, including:

- Catholic University Washington
- Durham University
- Edinburgh Napier University
- Heriot Watt University
- London School of Economics
- Liverpool John Moores University
- Northumbria University
- Trinity College Dublin
- University College Dublin
- University of Central Lancashire
- University of Gloucestershire
- University of Greenwich
- University of Ulster

Try LANGuardian with Orion

You can see LANGuardian integrated with Orion NPM on our online demo system:

<http://demo2.netfort.com?AccountID=guest>



If you would like to try LANGuardian on your own network, you can download a free trial version from our website. The free trial is fully functional and last for 30 days from when you first use it. You can download it from our website:

<http://www.netfort.com/trial>

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