



KNOW YOUR NETWORK.
RUN YOUR BUSINESS.

Lancope
Network Performance + Security Monitoring

Gain actionable network insight through flow-based security, network and application performance monitoring across physical and virtual environments. Uncover the root cause of performance issues and security threats before they put your enterprise at risk.

CHALLENGES

In today's complex business environment, organizations demand continuous access to and fast performance from networks and business-critical applications. When performance slows, network operations and security teams must be able to isolate the root cause and restore both physical and virtual environments quickly and efficiently. However, as networks expand and security threats rise, IT teams are losing network visibility, knowledge and control.

TECHNOLOGIES AND TRAFFIC VOLUMES ARE GROWING EXPONENTIALLY

Key business trends including globalization, user mobility and IT consumerization are adding layers of complexity to the network. Networks are now expected to support a rapidly growing number of applications and devices—and the resulting exponential growth in traffic volume—creating a new breed of management and security challenges. Complicating matters is the advent of Web 2.0, which has resulted in as much as 85 percent of all network traffic going through port 80, making it difficult to distinguish between individual applications using conventional monitoring solutions. The recent proliferation of cloud computing and virtualization creates yet another obstacle, diminishing network visibility and opening organizations up to further risk.

KNOWLEDGE IS POWER

With all the new innovation flooding into the enterprise, network and security teams simply cannot keep up with the demands confronting them on a daily basis. Monitoring, securing and

troubleshooting such high volumes of traffic can be an extremely expensive, labor-intensive process. The multiple, disparate tools traditionally used by network and security teams provide limited insight, resulting in troubling network blind spots. To achieve secure, high-performing networks, IT teams need to know what, when and how specific technologies are in use across the enterprise—and by whom.

SOLUTION

So how can network and security teams continue to provide more services, applications and tools for users and still know what is going on inside the network?

STEALTHWATCH—THE EYES AND EARS OF YOUR NETWORK

StealthWatch® by Lancope® is the leading solution for flow-based security, network and application performance monitoring across physical and virtual environments. By leveraging NetFlow,™ sFlow® and other flow data from existing routers and switches, StealthWatch provides in-depth, borderless network visibility. With StealthWatch, network operations and security teams can obtain actionable insight into who is using the network, what applications and services are in use, and how well they are performing.

StealthWatch combines behavioral-based network performance and security monitoring with application and identity awareness at a fraction of the cost of conventional monitoring solutions. The system empowers IT teams to make faster, more informed decisions across mission-critical areas including troubleshooting, incident response, compliance, resource allocation, capacity planning and change management.



StealthWatch not only provides basic details about the 'who, what, when and where' of network traffic—it also enables you to focus on the all-important 'why' behind network problems and 'how' to resolve them.



KNOW YOUR NETWORK. RUN YOUR BUSINESS.

WHAT	Layer 7 deep packet inspection to determine what caused the issue
WHEN	Historical trends coupled with real-time analysis to pinpoint precisely when the situation occurred
WHERE	Physical and virtual network monitoring across the entire enterprise to identify where the problem originated
WHO	Identity awareness to discover who caused the problem and who was affected
WHY	Behavioral baselining to uncover why a problem occurred in the first place
HOW	Actionable intelligence to quickly deduce how to solve the issue

Get Empowered WITH STEALTHWATCH

- Achieve faster Mean Time To Know
- Gain borderless network visibility
- Obtain actionable intelligence
- Unify security, network and application performance monitoring
- Expedite troubleshooting and minimize costly downtime
- Maintain secure, high-performing networks
- Enforce policies to achieve regulatory compliance

According to Gartner, through 2012, more than 80% of application performance and availability failures will be blamed on network problems, but the network will represent less than 20% of the root cause.

STEALTHWATCH CAPABILITIES

SECURITY

Proactively Identify Internal and External Threats

On the security front, a lack of network visibility can be particularly damaging. Traditional security systems monitor only the perimeter and do not provide insight into traffic that stays within the network, leaving companies wide open to insider threats. Additionally, external attacks continue to bypass traditional safeguards, and employing conventional security systems internally is cost-prohibitive. Without adequate internal monitoring, security issues can go unnoticed for long periods of time, wreaking havoc on the network.

Unlike other solutions, StealthWatch takes a proactive approach to security by analyzing network behavior instead of relying on signatures to identify attacks. StealthWatch can detect targeted, custom threats, zero-day worms, viruses, botnets and other malware, as well as insider threats including network misuse, policy violations and data leakage—

down to the specific user affected. Security managers can also choose to automatically mitigate issues using existing routers, switches and firewalls.

Through its patented Concern Index™ StealthWatch automatically prioritizes the most severe issues to ensure that they are dealt with first. StealthWatch is also ideal for performing sophisticated forensic analysis to investigate incidents.

NETWORK PERFORMANCE

Dramatically Streamline Troubleshooting and Increase Network Insight

Complete, real-time visibility into all hosts and traffic on the network provides valuable insight into network anomalies. This visibility enables security and network operations teams to easily determine whether issues stem from the network itself or from specific applications. It also enables them to quickly pinpoint the root cause of issues down to the exact application and user, dramatically reducing Mean Time To Know.

NETWORK PERFORMANCE MONITORING

SECURITY MONITORING

APPLICATION + IDENTITY + VIRTUAL
AWARENESS

FLOW COLLECTION & BEHAVIORAL ANALYSIS

forensics

compliance

anomaly detection

mitigation

troubleshooting

service delivery

wan optimization

capacity planning

StealthWatch employs deep packet inspection to both identify and gather performance statistics for Layer 7 applications across physical and virtual environments. The system also automatically recognizes and starts baselining new servers and applications to quickly detect issues caused by misconfigured, malfunctioning or unauthorized applications and devices. Behavioral baselining is critical since network changes and migrations commonly cause performance issues.

With StealthWatch, organizations can cost-effectively and efficiently maximize network performance and avoid damaging downtime.

SCALABILITY

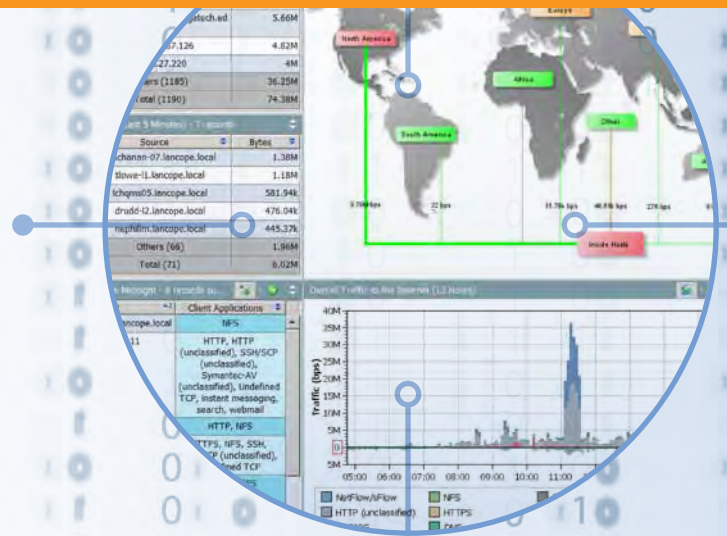
Maximize Investment, Minimize Complexity

Setting itself apart from other solutions, StealthWatch is extremely scalable to meet the needs of large networks and enterprises, analyzing up to 1 million flows per second. StealthWatch performs in-depth analysis and reporting with a very light footprint that does not interfere with network performance.

By combining network and security capabilities into a single, unified platform and leveraging an organization's existing infrastructure, StealthWatch eliminates costs and complexities associated with non-integrated point solutions.

StealthWatch is fast and simple to deploy and features a highly efficient workflow. An intuitive user interface and customizable, graphical reports quickly provide anyone in the enterprise with an easy-to-digest, real-time view of what is happening on the network.

In addition to dramatically improving network, security and datacenter operations, the detailed network insight generated by StealthWatch can enhance other functions including human resources, help desk and compliance. With StealthWatch, processes are vastly improved, skills and experience are better utilized, and technologies are leveraged to their maximum potential.



Our team's productivity has increased significantly because we now have time to focus on other projects instead of spending hours manually diagnosing network-related traffic problems."

— Gibraltar Industries

Dartmouth College (U.S.A.) reported that immediately upon deployment, StealthWatch uncovered 400 misbehaving hosts and helped reduce network threats by 90%.



Lancope: The Leader in Flow Collection and Analysis

Lancope, Inc. is a leading provider of flow-based monitoring to ensure high-performing and secure networks for global enterprises. Unifying critical network performance and security information for borderless network visibility, Lancope provides actionable insight that reduces the time between problem onset and resolution.

Enterprise customers worldwide, including healthcare, financial services, government and higher education institutions, rely on Lancope to make better network decisions and avoid costly outages and downtime. Founded in 2000 in Atlanta, GA, Lancope is continuously innovating to stay ahead of customer demands and marketplace trends, holding five patents and more than 130 proprietary algorithms. With Lancope, you can know your network and run your business better.

Lancope has received numerous awards for its leadership in network and security technologies from a variety of publications, including *Network Computing*, *SC Magazine* and *Red Herring*, and was recently named Best Joint Security and Network Management Solution by Enterprise Management Associates, Inc. For more information, visit www.lancope.com.

KEY FEATURES

BEHAVIOR-BASED FLOW ANALYSIS

Scalable, enterprise-wide visibility into network behavioral changes enables fast troubleshooting of application performance and network latency issues.

APPLICATION AWARENESS

Deep packet inspection and behavior analysis help identify encrypted and obfuscated applications and protocols, while also ensuring that the network is delivering applications reliably and securely.

CONCERN INDEX™

Proprietary technology automatically prioritizes the most severe issues to ensure that they are dealt with first.

RELATIONAL FLOW MAPPING™

Innovative, graphical representations of related hosts on the network (e.g., business units, functional areas, geographical maps, etc.) provide a real-time view of how specific groups of hosts are performing at any given time.

USER IDENTITY TRACKING

Identity-aware flow analysis enhances troubleshooting and ensures compliance by pinpointing the source of issues all the way down to the exact user.

POINT-OF-VIEW™

Customized, real-time views of network intelligence according to specific roles extend the value of StealthWatch across the organization while still protecting sensitive information.



StealthWatch reduces the time, cost and complexity of troubleshooting the network and can be deployed at 1/15 the cost of conventional technologies.

STEALTHWATCH PRODUCT FAMILY

STEALTHWATCH MANAGEMENT CONSOLE

The StealthWatch Management Console serves as the central management point for collecting, analyzing and reporting on network and security data across the physical and virtual enterprise.

STEALTHWATCH XE FLOWCOLLECTOR™

The StealthWatch Xe FlowCollector gathers network traffic information from existing routers and switches using NetFlow, sFlow or other types of flow data. Comprehensive and continuous awareness of network activity results in extremely rapid detection and response for potential issues, featuring advanced troubleshooting capabilities not found in other flow-based technologies.

STEALTHWATCH FLOWSENSOR™

Through a combination of behavior analysis and deep packet inspection, the StealthWatch FlowSensor identifies applications and protocols in use across the network and gathers packet-level performance statistics

at a fraction of the cost of traditional probe-based devices. The FlowSensor can be installed easily in both physical and virtual environments, and plays a key role in troubleshooting application performance problems and security incidents.

STEALTHWATCH IDENTITY™

StealthWatch IDentity enables network and security professionals to quickly drill all the way down to the user level to troubleshoot issues, holding users accountable for their actions, improving audit controls for regulatory compliance and enhancing the end-user experience.

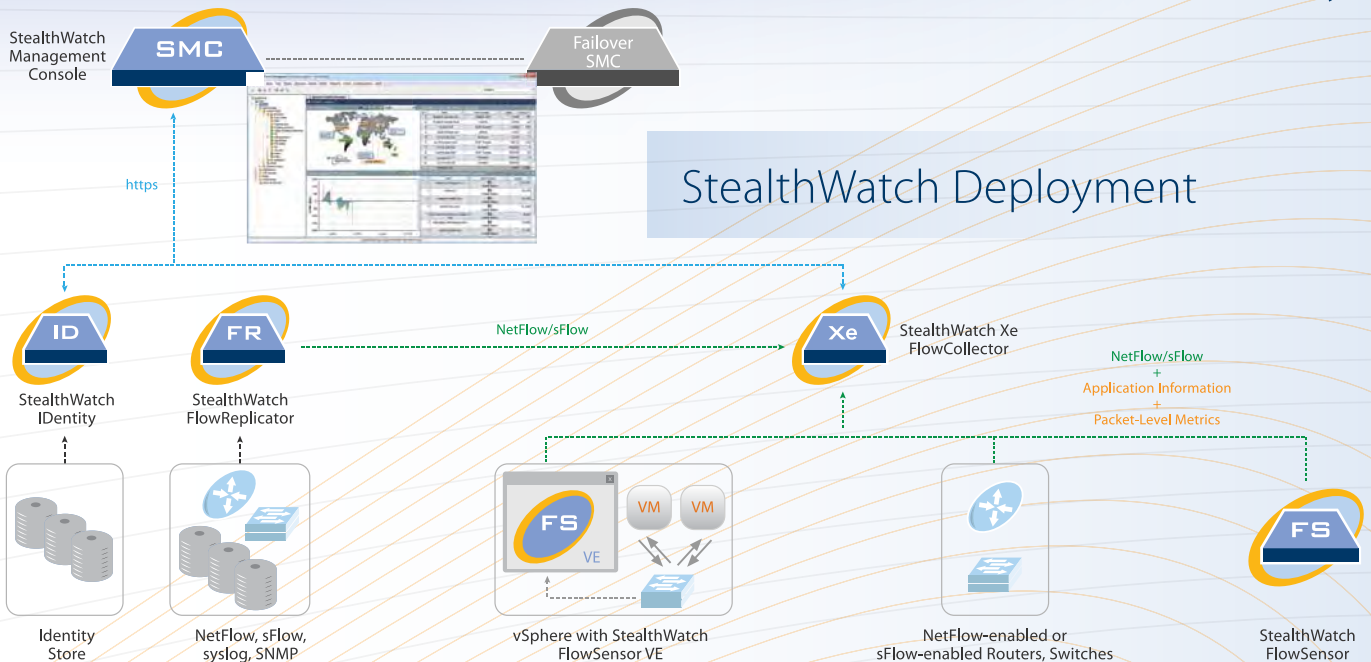
STEALTHWATCH FLOWREPLICATOR™

The StealthWatch FlowReplicator improves network performance by aggregating network and security information from multiple locations into a single data stream to send to the FlowCollector or other devices. Fast, easy flow replication greatly simplifies migration to new technologies..

StealthWatch has accelerated incident resolution for the Puget Sound Blood Center, allowing the organization to retain the \$22,680 it typically loses for each hour of downtime.

“With limited staff responsible for monitoring, securing and optimizing such a large network, StealthWatch provides us with much needed visibility to do our jobs faster and more effectively.”

— Central Michigan University



Leverage flow data to gain actionable insight and reduce the time from problem onset to resolution.

Lancope®

Network Performance + Security Monitoring

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