

EndaceProbe Analytics Platform and Cisco Stealthwatch

Together, Endace and Cisco Stealthwatch outsmart emerging threats with scalable visibility and security analytics complemented by 100% accurate network packet capture. Dive deep into anomalous network activity and security events for rapid and conclusive investigations.

Cisco Stealthwatch is a comprehensive, network telemetry-based, security monitoring and analytics solution that streamlines incident response through behavioral analysis; detecting denial of service attacks, anomalous behaviour, malicious activity and insider threats. Based on a scalable enterprise architecture, Stealthwatch provides near real-time situational awareness of all users and devices on the network.

The EndaceProbe™ Analytics Platform captures and records 100% of network traffic, regardless of network speeds or loads, providing an unparalleled level of detail and accuracy. Recorded network packets are time-stamped to nanosecond-level accuracy allowing analysts to zoom in to investigate short-lived events, such as microbursts or pre-attack intrusions, that are often invisible to other monitoring solutions. Access to detailed packet-level history lets analysts accurately reconstruct events to identify conclusively what happened, why and how it happened and to then respond appropriately. Critical issues can be prioritized, and false positives quickly identified and flagged so detection can be tuned.

EndaceProbes complement Stealthwatch by capturing, recording and indexing all traffic on the network down to the nanosecond level. Access to historical network traffic provides context and deterministic root cause for security events flagged by Stealthwatch. Using the External Lookup feature in the Stealthwatch Management Console (SMC), analysts can seamlessly pivot from an event in SMC to the associated packet data on EndaceProbes on the network.

Deploying Stealthwatch Flow Sensor Virtual Edition on EndaceProbe can produce telemetry for segments of the switching and routing infrastructure that can't generate NetFlow natively and provides visibility into application layer data. It can also help remove flow generation load from critical infrastructural elements such as key routers and switches.



Stealthwatch

PRODUCTS

Cisco Stealthwatch

EndaceProbe Analytics Platform Endace Fusion Stealthwatch Connector

BENEFITS

- Scalable security management for your networked environment.
- Accurate, complete and granular network history provides definitive evidence for investigating and responding to network security and performance issues.
- Streamlined investigation workflow improves SecOps and NetOps efficiency and ensures rapid investigation and response.
- Faster resolution times increase network security, improve uptime and reliability and reduce OPEX costs
- Recorded network history provides a reliable, irrefutable evidence trail for comprehensive investigations.

FURTHER INFORMATION

www.endace.com/cisco_stealthwatch.html

Streamlining Security Investigations

Endace's Fusion Connector for Stealthwatch is a free, easy to install plugin available from the Endace Support Portal. It directly connects analysts, via an elegant and seamless workflow, to the precise network packets they need to investigate the root cause of problems and respond.

Analysts can click on any event triggered to pivot straight to the packets of interest in EndaceVision, the EndaceProbe's built-in, browser-based investigation tool. With the relevant packets isolated in EndaceVision, analysts can zoom out to look at precursor events, or zoom in to look at packet-level detail in EndacePackets, the EndaceProbe's integrated packet decode tool.

Alternatively, Stealthwatch users can download PCAP or ERF files directly to their desktop where they can be analyzed using Wireshark® or other packet decode tools.



Increasing Stealthwatch Visibility and Coverage

Stealthwatch Flow Sensor VE can be hosted in the EndaceProbe's Application Dock™ built-in hosting environment where every packet captured and recorded by the EndaceProbe can also be streamed to hosted Flow Sensor instances in real-time.

Security Operations teams can dynamically deploy Flow Sensors anywhere on the network that they have EndaceProbe Network Recorders deployed, allowing them to increase visibility without truck rolls or lengthy hardware deployments.

EndaceProbes are designed to ensure system resources used for capture and recording are separated from the resources used by hosted applications. This means capture performance is never impacted by hosted applications and vice-versa, guaranteeing 100% accurate recording even when the hosted Flow Sensor instance is processing heavy traffic loads.

Conclusion

Integrating captured network packet history from EndaceProbes with Cisco Stealthwatch Enterprise speeds up incident response and forensics. The efficient workflow integration gives security teams a way to quickly and conclusively investigate and respond to security issues that Stealthwatch detects.

It provides a standardized, streamlined investigation workflow that allows analysts to quickly identify the scale and root cause of an issue and respond appropriately to minimize the damage.

Deploying Stealthwatch Flow Sensors on EndaceProbe hardware allows customers to extend visibility to the far reaches of the network. Customers can remove flow generation overhead from their core network elements such as routers and switches, ensuring that critical monitoring data will still be generated even when the network is heavily loaded or there is a fault in the network infrastructure.

How it works

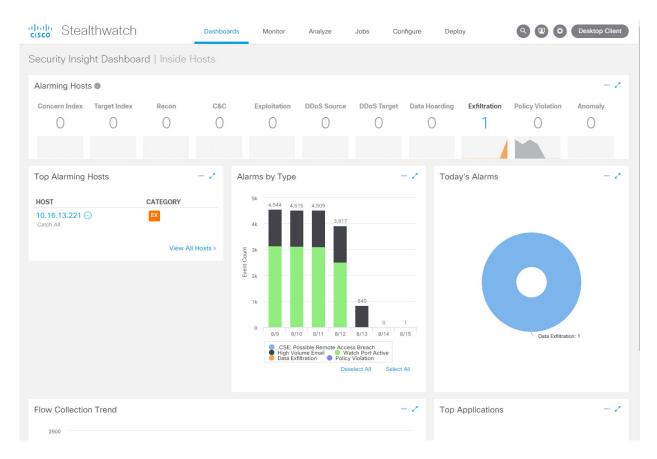


Figure 1. Triage your security alarms with the Stealthwatch Dashboard



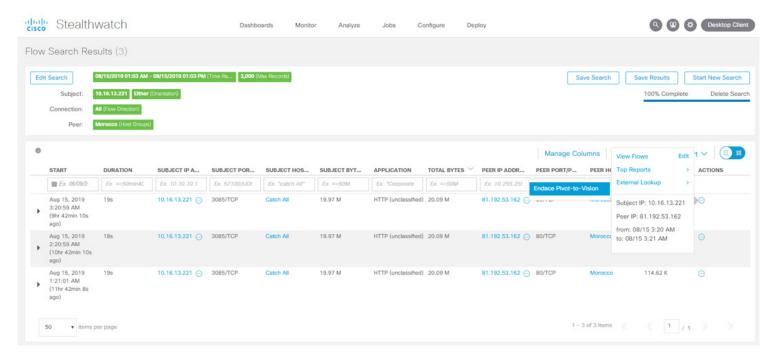


Figure 2. Pivot-to-Vision launches EndaceVision pre-filtered in on the packets related to the event in question.

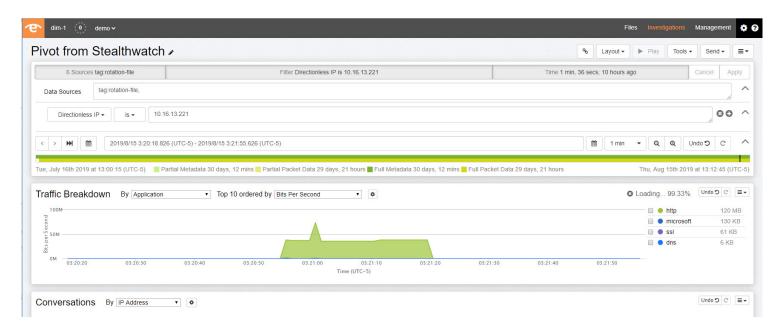


Figure 3. Analyze network history with EndaceVision - a powerful, browser based traffic analysis tool.



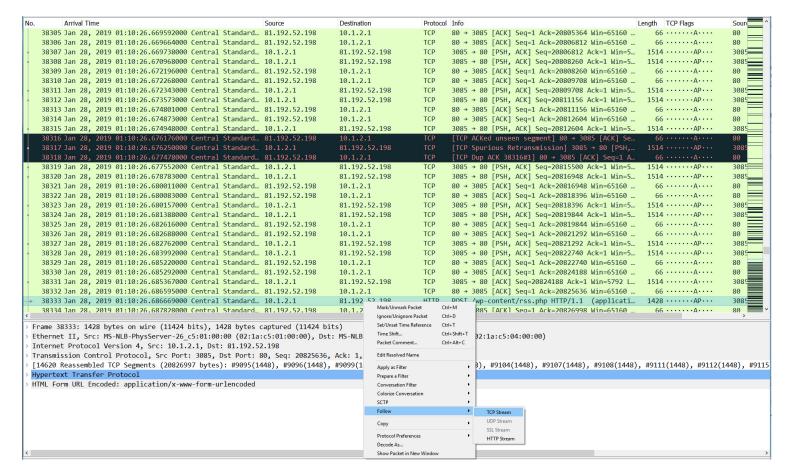


Figure 4. Decode packets without download using the built-in, browser-based packet analyzer based. on Wireshark®

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