

Security Forensics with EndaceProbe and Cisco Security



Combining EndaceProbes with Cisco Secure Firewall Threat Defense (FTD) streamlines investigation workflows for rapid response to security threats.

Cisco® Security products provide continuous threat protection before, during and after an attack.

The Cisco Firewall Management Center (FMC) is the “nerve center” of the security ecosystem. It correlates attacks with real-time network and user intelligence and centrally manages network security and operational functions, including event monitoring, incident prioritization, forensic analysis and reporting.

When it comes to investigating security incidents, access to an accurate, detailed and complete history of network traffic is an unparalleled resource. Detailed packet history provides definitive evidence of what happened, how it happened and what was compromised. It provides the context behind the security alerts raised by Cisco Firewall Threat Detection (FTD) and lets analysts investigate events quickly and respond with the confidence of knowing exactly what took place.

EndaceProbe™ Analytics Platforms capture, index and store network traffic with 100% accuracy, regardless of network speeds, loads or traffic types. Deploying EndaceProbes alongside FTD appliances or hosting virtual FTD (FTDv) on EndaceProbes in Application Dock™, ensures a complete, hi-fidelity history of network activity is immediately available for security investigations. Packets are timestamped to nanosecond level accuracy, ensuring accurate event reconstruction even for ultra-short-lived events.

Streamlining Security Investigations

The Network History recorded by EndaceProbes can be integrated with FTD using the Pivot-To-Vision™ function of the EndaceProbe’s powerful API. Pivot-To-Vision lets security analysts pivot directly from alerts in the FMC dashboard to EndaceVision™, the EndaceProbe’s built-in investigation tool, to analyze the related, packet-level Network History.

Using the IP address and time range of the trigger, Pivot-To-Vision focuses the analyst directly on pre-filtered incident data. EndaceVision lets analysts dissect and review terabytes of network history down to microsecond level with views filtered by Application, IP, Protocol, Top Talkers and many other parameters, allowing rapid insights and accurate conclusions.

Being able to get directly to the related packets lets security analysts quickly and conclusively establish the root cause of issues and respond appropriately, dramatically reducing the time to investigate and resolve critical incidents.

PRODUCTS

Cisco Firewall Management Center (FMC)

Cisco Firewall Threat Defense (FTD)

EndaceProbe Analytics Platforms

Endace Fusion Connector for Cisco Security

BENEFITS

- Accurate, granular and complete network history provides definitive evidence for security analysts
- Streamlined investigation workflow improves SecOps efficiency and ensures faster investigations
- More effective detection tuning reduces false-positives
- Network packets provide a definitive evidentiary trail

FURTHER INFORMATION

<https://www.endace.com/cisco>

Access to a 100% accurate record of network history, and a streamlined investigation workflow, enables SecOps analysts to quickly identify, prioritize and respond to real threats and flag false positives for detection tuning.

Increasing Detection Visibility with Application Dock

Cisco FTDv can be hosted in the EndaceProbe’s Application Dock built-in hosting environment. Every packet captured and recorded by the EndaceProbe can also be streamed to hosted FTDv instances in real-time.

Security Operations teams can dynamically deploy FTDv anywhere on the network that they have EndaceProbe Network Recorders deployed, allowing them to increase their detection footprint 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 FTDv instance is processing heavy traffic loads.

Conclusion

Recorded network history provides the high-fidelity packet-level detail necessary for the conclusive investigation of security incidents. The combination of EndaceProbe Network Recorders and Cisco Security delivers a powerful, end-to-end detection, alerting and investigation

solution. It gives SecOps teams industry-leading security monitoring and alerting, with access to the detailed data they need for fast, conclusive threat investigation and response.

How it works

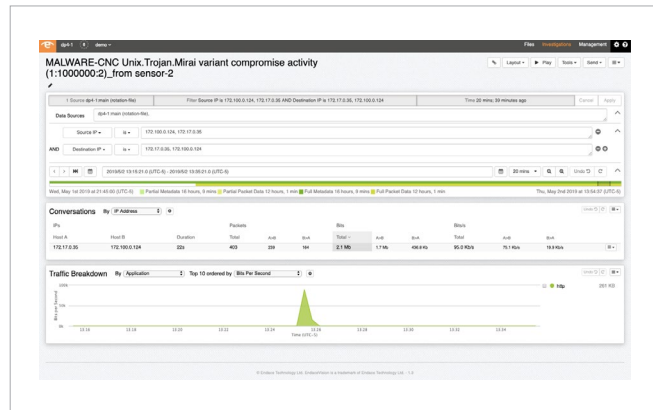
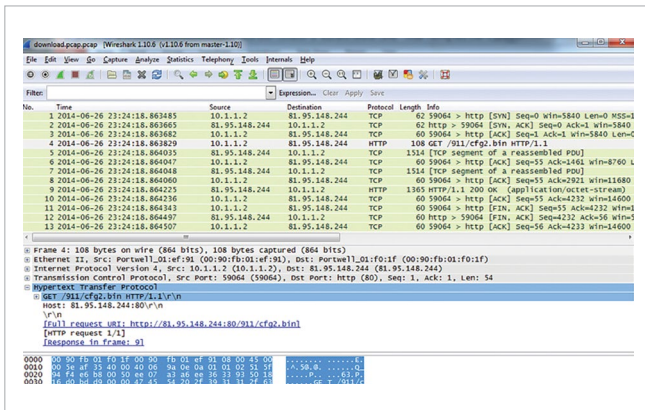
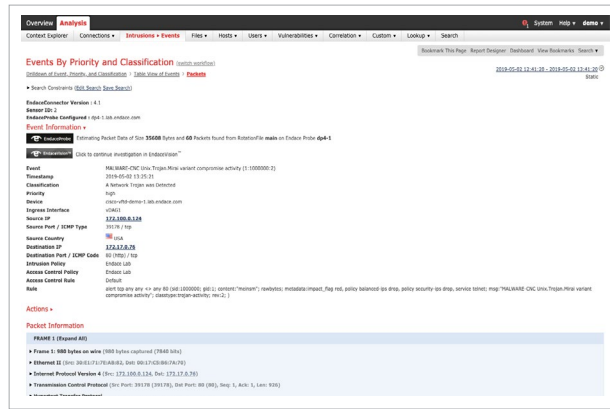
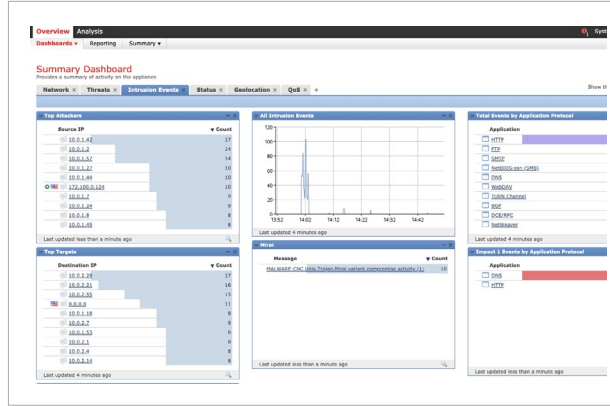


Figure 1 - Streamlined workflow from an alert in the Cisco FMC, to the alert detail, to related packets or network visualizations.

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