

Symantec Technology Integration Partner: HP TippingPoint

Business Challenge

SSL encrypted traffic is pervasive in organizations around the world, representing 35% of all enterprise network traffic today.¹ With a 20% annual growth rate, SSL encrypted traffic increasingly presents a blind spot in organizations; most current security solutions cannot see or manage this traffic or the threats that hide within. Advanced Persistent Threats (APTs) are increasingly using

SSL-based attacks, with Gartner predicting that 50% of all network attacks will be encrypted by 2017.² Security tools such as Next Generation Firewall (NGFW), Intrusion Detection Systems (IDS), Intrusion Prevention Systems (IPS), Data Leak Prevention (DLP), security analytics and malware analysis devices are typically blind to SSL traffic or experience significant performance degradation if SSL inspection is enabled. A new approach is clearly needed.

Solution: Symantec SSL Visibility and HP TippingPoint Advanced IPS

Symantec's encrypted traffic management (ETM) solution eliminates the encrypted traffic blind spot and combats the security threats hidden in encrypted traffic while preserving privacy, policy and regulatory compliance. Comprised of the market-leading Symantec SSL Visibility, it enhances existing security solutions by providing visibility into previously hidden traffic and advanced threats without requiring significant upgrades or re-architecting the network security infrastructure.

SSL Visibility is a high-performance purpose-built solution that utilizes comprehensive policy enforcement to inspect, decrypt and manage SSL traffic in real time while ensuring data privacy and regulatory compliance. SSL Visibility's unique "decrypt once, feed many" design empowers multiple security tools, such as the HP TippingPoint Next-Generation Intrusion Prevention System (NGIPS), with new-found visibility into encrypted traffic

to effectively detect and eliminate advanced threats without hindering device or network performance. The combination of SSL Visibility and the TippingPoint IPS solution delivers best-in-class ETM to decrypt SSL traffic to uncover hidden threats and eliminate these SSL blind spots.

HP TippingPoint pioneered intrusion prevention technology, which sits in-line, blocking known, unknown, and zero-day vulnerabilities in real-time. Unlike traditional intrusion detection system (IDS) solutions, which can generate numerous false-positives, the HP TippingPoint NGIPS solution provides proactive network security from the data center to the branch office. The security intelligence is built upon the HP TippingPoint Digital Vaccine Labs (DVLabs) development team that focuses on advanced threat research to secure enterprise networks, business critical data, and application vulnerabilities.

Symantec SSL Visibility is an integral component to an organization's encrypted management strategy, and provides visibility into SSL encrypted traffic without requiring the re-architecting of the network infrastructure. SSL Visibility gives the HP TippingPoint NGIPS solution visibility into all SSL traffic and applications to close the security visibility loophole created by encrypted traffic. In addition, it has the ability to selectively



Partner: Hewlett Packard

Partner Product: HP TippingPoint NGIPS

Symantec Product: SSL Visibility

¹ NSS Labs, "SSL Performance Problems," <https://nssllabs.com/reports/ssl-performance-problems> June 2013.

² Gartner "Security Leaders Must Address Threats From Rising SSL Traffic". Published: 9 December 2013



decrypt and inspect suspicious or unknown encrypted traffic while not inspecting other SSL traffic due to mandates such as HIPAA, SOX, PCI, Sarbanes-Oxley, and so on.

How it Works:

The diagram below demonstrates how the Symantec and HP TippingPoint solutions work together to provide best in class ETM.

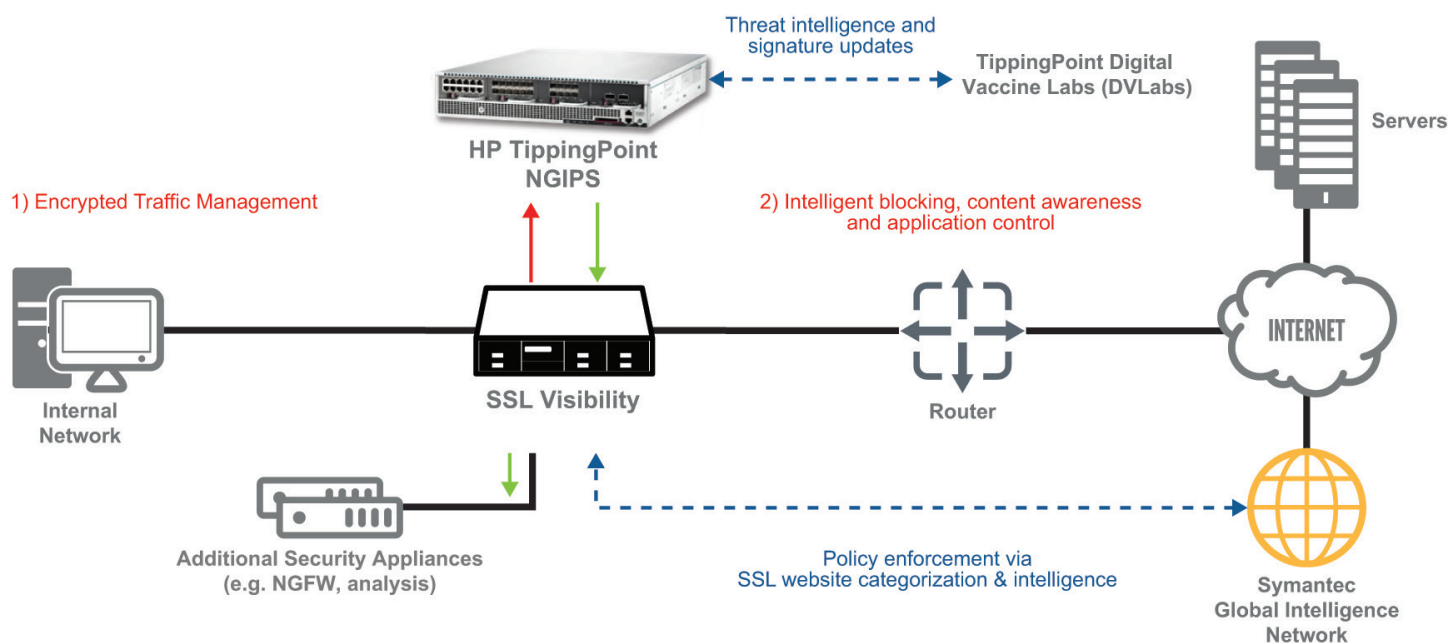
Symantec SSL Visibility provides decrypted content from SSL flows to the HP TippingPoint NGIPS appliance. Based on its unique “decrypt once - feed many” design, the appliance can also simultaneously share its decrypted data with other existing security appliances that support firewall or NGFW, malware analysis, forensics, compliance and DLP, if present. This provides these complementary security appliances and applications with the necessary visibility into SSL traffic. This joint solution allows enterprises to easily add SSL visibility and inspection capabilities, along with category-based inspection policies into their existing network security architectures.

The HP TippingPoint NGIPS platform uniquely leverages advanced threat research with the powerful correlation of security events and vulnerabilities. This joint solution harnesses the capabilities of SSL Visibility to inspect and decrypt SSL traffic with the HP TippingPoint NGIPS's ability to detect and eliminate SSL-based and other advanced threats to ensure optimal performance for managing threats across your network. To enable the TippingPoint solution to inspect decrypted traffic from SSL Visibility, simply add port 443 to the “HTTP – tcp” service and other ports to the respective services that you want to monitor.

Benefits

The combined SSL Visibility and TippingPoint NGIPS solution:

- Provides best in class ETM to detect and eliminate the SSL encrypted traffic blind spots
- Preserves privacy, policy and regulatory compliance
- Combats advanced cyber threats
- Integrates seamlessly with existing infrastructure



About HP Enterprise Security

HP is a leading provider of security and compliance solutions for the modern enterprise that wants to mitigate risk in its hybrid environment and defend against advanced threats. Based on market-leading products from HP ArcSight, HP Fortify, and HP TippingPoint, the HP Security Intelligence Platform uniquely delivers the advanced correlation, application protection, and network defenses to protect today's hybrid IT infrastructure from sophisticated cyber threats. For more information on HP TippingPoint solutions, please visit www.hp.com/go/tippingpoint. To learn more about HP Enterprise Security, please visit www.hpenterprisesecurity.com.

About Symantec

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Symantec Corporation (NASDAQ: SYMC), the world's leading cyber security company, helps businesses, governments and people secure their most important data wherever it lives. Organizations across the world look to Symantec for strategic, integrated solutions to defend against sophisticated attacks across endpoints, cloud and infrastructure. Likewise, a global community of more than 50 million people and families rely on Symantec's Norton suite of products for protection at home and across all of their devices. Symantec operates one of the world's largest civilian cyber intelligence networks, allowing it to see and protect against the most advanced threats. For additional information, please visit www.symantec.com or connect with us on Facebook, Twitter, and LinkedIn.

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