TECHNOLOGY PARTNER BRIEF

Symantec Technology Partner: APCON

Partner Product: Series 4000 Hybrid Visibility Platform, IntellaFlex XR Bypass Tap

Symantec Product: SSL Visibility Appliance

Business Challenge

Organizations encrypt internet traffic to protect themselves and their users. Sensitive information such as social security numbers, credit card numbers and sensitive user data are encrypted for protection against various user security and privacy threats. In 2018, Google have shown that over 90% of traffic across Google are encrypted.[1] Encryption prevents data leaks, security breaches and identity theft. Despite its obvious benefits, encryption, however, has been used to deliver malware within networks. By 2020 more than 60% of organizations will fail to decrypt Hypertext Transfer Protocol Secure (HTTPS) efficiently, missing most targeted malware according to Gartner. The sophistication of attacks is making encryption technologies vulnerable.

Taking a strategic approach to Secure Sockets Layer (SSL)/Transport Layer Security (TLS) traffic decryption and inspection is vital to maintain resilient security and network monitoring. Industry analysts estimate that by the end of 2019, over 90% of the world's http traffic will be secured over SSL/TLS[2]. Organizations are challenged to integrate SSL/TLS decryption with various packet filtering technologies without impacting performance and scalability. APCON and Symantec's joint solution will ensure security and performance monitoring tools receive decrypted, optimized network traffic from every facet of the network.

[1] 2018 Google Transparency Report
[2] CA Security Council (CASC) 2019 Predictions: The Good, the Bad, and the Ugly

Combined Symantec & APCON Benefits:

- Provides unmatched visibility into encrypted traffic to protect against advanced threats.
- Supports privacy and compliance initiatives by selectively decrypting traffic to meet data privacy and compliance requirements and enforcing acceptable use policies for encrypted traffic.
- Improve ROI of your entire security infrastructure by removing encryption, network performance bottlenecks and blind spots.
- Secure SSL/TLS interception from the global leader in cyber security, with over 100 cipher suites and key exchanges offered.
- Prevent costly capacity upgrades required by security solutions needing SSL inspection.
- Receive live unencrypted packets throughout your network

Integrated Solutions

The increase in usage of inline security tools increases the risk of network data loss or downtime when these tools fail or require maintenance. APCON Bypass TAP maintains high network availability by keeping traffic flowing on the network when inline tools suffer a failure. Through the use of heartbeat technology, APCON Bypass TAP can immediately detect an issue with an inline tool, route traffic around the affected tool, and issue an alert to prompt action to resolve the problem.

Figure 1

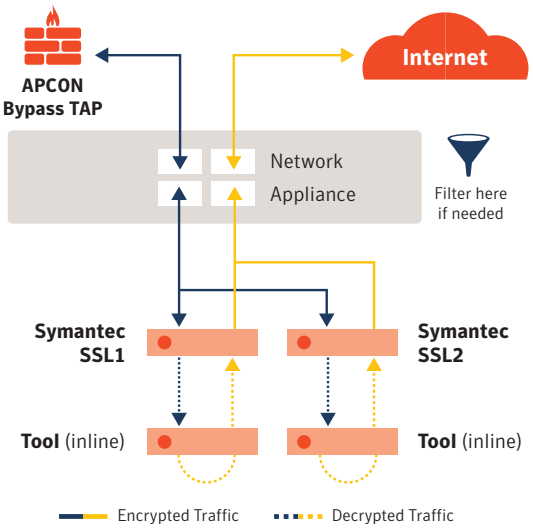
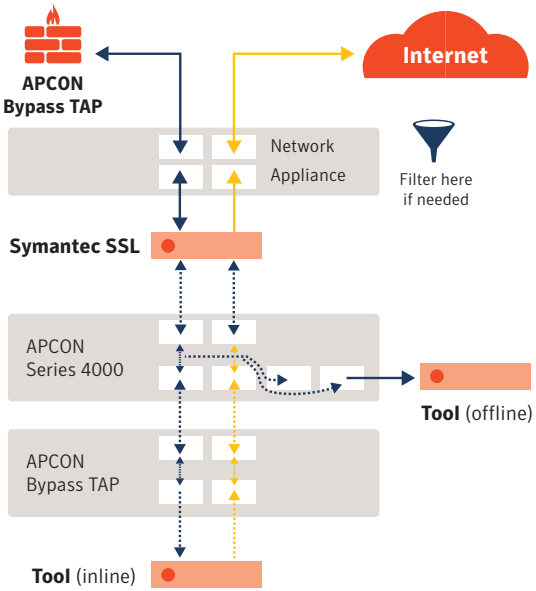


Figure 2



As shown in Figure 1, APCON Bypass TAP can be used to filter the traffic to reduce the amount of traffic routed to the Symantec SSL appliances. Customers can choose what traffic they need to go to the SSL appliances while all the other traffic can be in the bypass mode. In this setup, the APCON Bypass TAP is configured for Automatic Failover and Heartbeat Monitoring while the Symantec SSL Visibility appliance is configured to Fail to Appliance Mode for maximum visibility in case of tool failure. The Symantec SSL appliance is also configured to Cut Through mode in case of tool overload which can result in dropping decrypted traffic. Additional bypass tap segments can also be configured to take traffic from Symantec SSL appliance so that customers can get decrypted traffic for offline monitoring even when the inline tool fails. As APCON Bypass TAP can monitor up to five network segments, customers have the flexibility to choose one or more SSL appliances to monitor all five segments to enhance network visibility.

As shown in Figure 2, the decrypted traffic from the Symantec SSL appliance can also be fed to the APCON Series 4000 Hybrid Visibility Platform which allows customers to mirror the decrypted traffic to other offline tools for in-depth network security and performance monitoring. APCON Series 4000 advanced packet processing features such as deduplication, protocol header stripping, packet slicing and load balancing significantly increase the efficiency and visibility of the network security and performance monitoring tools.

Conclusion

The joint Symantec and APCON solution provides total visibility to the customer networks while improving utilization of the SSL Visibility Appliances for monitoring multiple network segments without the need to buy additional appliances. The joint solution ensures security and performance monitoring tools receive decrypted, optimized network traffic. Customers can now leverage the capabilities of the SSL Visibility Appliance to provide advanced security, real-time, high-resolution network performance monitoring, and analytics for all traffic across the entire APCON network visibility fabric spanning cloud, virtualized and on-premise infrastructures.

Symantec

About Symantec

Symantec Corporation (NASDAQ: SYMC), the world's leading cyber security company, helps organizations, 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 and LifeLock product suites to protect their digital lives at home and across 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, subscribe to our blogs, or connect with us on Facebook, Twitter, and LinkedIn.

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