



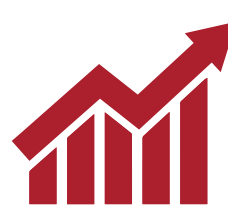
# EFFECTIVELY EXPOSE HIDDEN THREATS AND MALWARE: CREATE A "DECRYPTION ZONE" TO MANAGE SSL/TLS TRAFFIC

## Encrypted Traffic and Threats are Increasing



>80%

of enterprise traffic will be encrypted through 2019<sup>1</sup>



33%

of malware uses encryption<sup>2</sup>

## Encrypted traffic can be problematic



48%

of SecOps teams do not possess information on what is being encrypted in the network<sup>3</sup>



67%

of SecOps teams cited network blind spots as a major obstacle to data protection<sup>4</sup>

## Cyber-criminals can exploit SSL traffic



Malware hidden in SSL encrypted traffic



Millions of phishing attacks and sites, with a growing number using SSL<sup>3</sup>

## Managing SSL/TLS Traffic is Challenging Current security solutions are inadequate

Suffer from significant performance degradation up to 80% when decrypting SSL traffic, leading to additional hardware capacity cost and complexity

Are limited in the number and type of devices they can support – typically 1 or 2 passive monitoring tools



Are not optimized for complete network visibility – especially if they're only focused on web or specific application traffic

Lack scalability and support for high-speed networks like 40Gbps and 100Gbps

## The GigaSECURE Security Delivery Platform Provides Effective SSL/TLS Decryption for High-speed Networks



Automatic SSL/TLS detection on any port or application – beyond port 443 / HTTPS



Broad, Scalable interface support for 40Gbps and 100Gbps networks



Offers effective inline bypass resiliency with a "Decrypt once - Inspect multiple times" design



Supports over 60 cipher suites including DHE and Elliptic Curve ciphers for Perfect Forward Secrecy (PFS)



Provides certificate validation and revocation lists to strengthen organizations' security posture



Helps ensure data privacy compliance utilizing 83+ URL categories and 5000 domain names

## How Gigamon Helps SecOps Teams

Identify, decrypt and expose hidden threats within encrypted traffic in high-speed 100Gb networks

Simplify and optimize security architectures by feeding the same tools with both decrypted and unencrypted traffic



Helps ensure any decryption performed is compliant with organizational and other regulatory data privacy policies

Safeguards against security tool failures to enhance infrastructure resiliency even at 100Gbps

Gigamon helps you see more to secure more.

For more information, visit <https://www.gigamon.com/ssl-decryption>



<sup>1</sup>Gartner "Predicts 2017: Network and Gateway Security", December 13 2016.

<sup>2</sup>2016 Trustwave Global Security Report

<sup>3</sup>"Hide and Seek: Cybersecurity and the Cloud," by Vanson Bourne (May 2017).

<sup>4</sup>"Hide and Seek: Cybersecurity and the Cloud," by independent market research company, Vanson Bourne (May 2017).