Managing SSL/TLS Traffic is Challenging

- **Encrypted Traffic and Threats are Increasing**
- **>80%** of enterprise traffic will be encrypted through 2019
- **33%** of malware uses encryption
- **48%** of SecOps teams do not possess information on what is being encrypted in the network
- **67%** of SecOps teams cited network blind spots as a major obstacle to data protection

Cyber-criminals can exploit SSL traffic

Malware hidden in SSL encrypted traffic

Millions of phishing attacks and sites, with a growing number using SSL

Managing SSL/TLS Traffic is Challenging

- Suffer from significant performance degradation up to 80% when decrypting SSL traffic, leading to additional hardware capacity cost and complexity
- Are not optimized for complete network visibility, especially if they’re only focused on web or specific application traffic
- Are limited in the number and type of devices they can support – typically 1 or 2 passive monitoring tools
- 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
- Supports over 90 cipher suites including DHE and Elliptic Curve ciphers for Perfect Forward Secrecy (PFS)
- Broad, Scalable interface support for 40Gbps and 100Gbps networks
- Provides certificates validation and revocation data to strengthen organizations’ security posture
- Helps ensure data privacy compliance utilizing 83+ URL categories and 5000 domain names
- 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
- Simplify and optimize security architectures by feeding the same tools with both decrypted and unencrypted traffic

How Gigamon Helps SecOps Teams

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

Help ensure any decryption performed is complaint with organizational and other regulatory data privacy policies

Provides Certificate Validation and Revocation Data to Strengthen Organizations’ Security Posture

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

For more information, visit [https://www.gigamon.com/ssl-decryption](https://www.gigamon.com/ssl-decryption)

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2. 2016 Trustwave Global Security Report