BLUE COAT®

Security
Empowers
Business

Stop Attacks
Hiding Under the Cover of SSL Encryption

Encrypted Traffic Management is now critical to balancing security demands with privacy, policy and regulatory needs

ENCRYPTED TRAFFIC IS GROWING RAPIDLY – MANY IT ORGANIZATIONS ARE BLIND TO IT

SSL/TLS traffic is pervasive and growing fast

- **25% to 35%** of ALL enterprise network traffic is encrypted with SSL/TLS today*
- According to Gartner, SSL traffic will **grow 20% per year***

SSL/TLS used by cybercrime to hide malicious content

Shylock SpyEye Zeus Gameover

- **Concealing** 'Command and Control' channels, hiding data exfiltration and evading detection
- According to Gartner, **Over 50%** of all network attacks will use SSL encryption by 2017*

Current security solutions are insufficient

- They are costly and are rarely used for SSL inspection due to significant **performance degradation - up to 80%****
- They are typically **limited** to Web/HTTPS traffic and **miss** other traffic like SMTPS, IMAPS, POP3S, FTPS and more

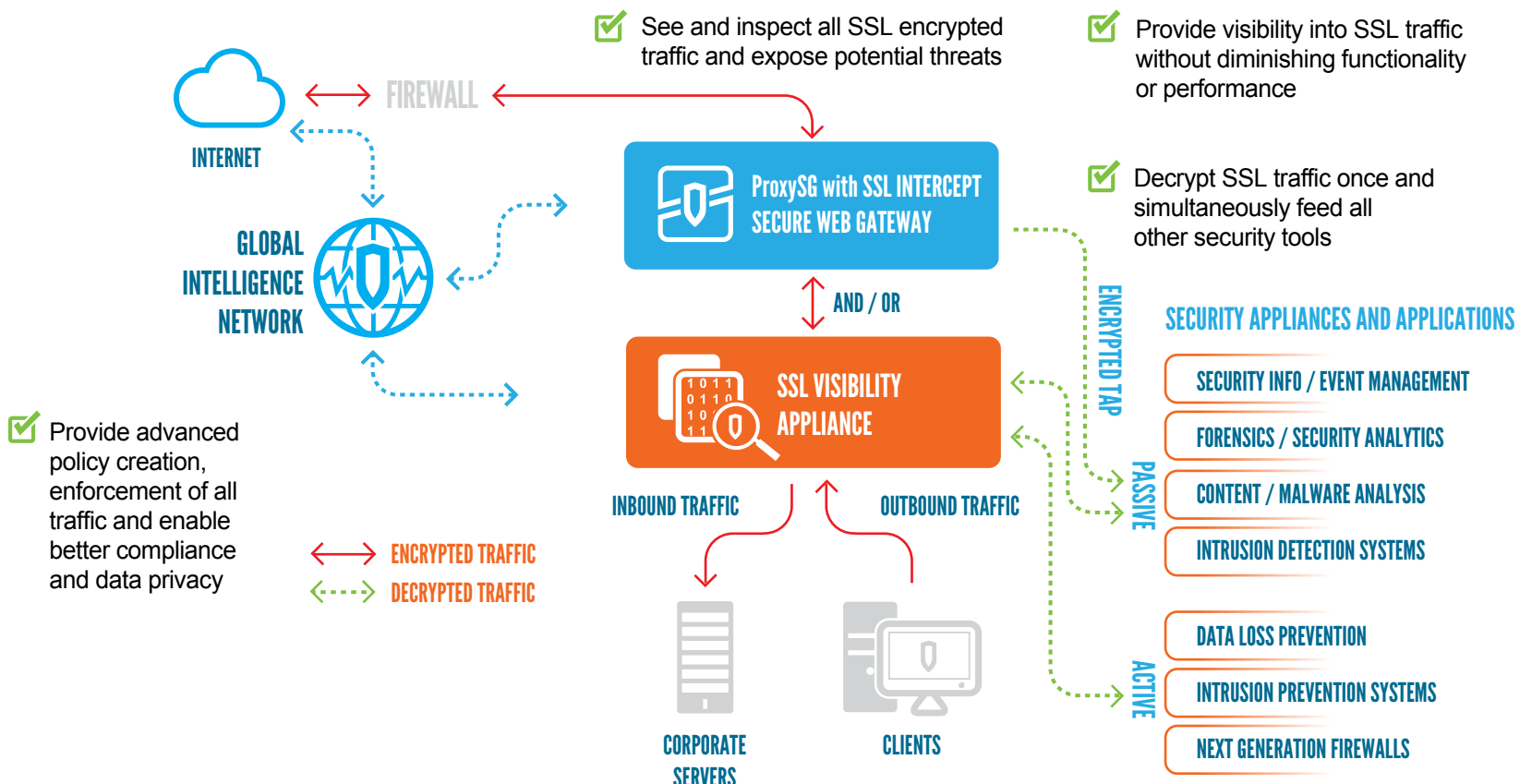### Top 5 SSL Encrypted Web Sites (HTTPS) – US

1. FACEBOOK
2. TWITTER
3. YOUTUBE
4. GOOGLE SEARCH
5. DROPBOX

> *Ironically, increased use of SSL in attempt to make our online lives more secure can create 'blind spots' that can actually reduce security on corporate networks…*
>
> - NSS Labs

A NEW APPROACH IS NEEDED: ENCRYPTED TRAFFIC MANAGEMENT

- ✓ See and inspect all SSL encrypted traffic and expose potential threats
- ✓ Provide visibility into SSL traffic without diminishing functionality or performance
- ✓ Decrypt SSL traffic once and simultaneously feed all other security tools
- ✓ Provide advanced policy creation, enforcement of all traffic and enable better compliance and data privacy

INTERNET

FIREWALL

GLOBAL INTELLIGENCE NETWORK

ProxySG with SSL INTERCEPT SECURE WEB GATEWAY

AND / OR

SSL VISIBILITY APPLIANCE

INBOUND TRAFFIC   OUTBOUND TRAFFIC

CORPORATE SERVERS   CLIENTS

ENCRYPTED TAP

PASSIVE

ACTIVE

SECURITY APPLIANCES AND APPLICATIONS

- SECURITY INFO / EVENT MANAGEMENT
- FORENSICS / SECURITY ANALYTICS
- CONTENT / MALWARE ANALYSIS
- INTRUSION DETECTION SYSTEMS
- DATA LOSS PREVENTION
- INTRUSION PREVENTION SYSTEMS
- NEXT GENERATION FIREWALLS

→ ENCRYPTED TRAFFIC
⇢ DECRYPTED TRAFFIC

BLUE COAT ENCRYPTED TRAFFIC MANAGEMENT SOLUTIONS

ENFORCE AND ORCHESTRATE ADVANCED POLICIES

Selectively decrypt and **orchestrate** encrypted network traffic to **reduce** the data security risk of web, cloud and mobile applications

PROTECT PRIVACY AND ENSURE COMPLIANCE

Overcome employee privacy concerns and comply with country specific regulations while providing **effective** security that decrypts only **targeted** and suspicious traffic

ENHANCE YOUR EXISTING SECURITY INVESTMENTS

Eliminate expensive capacity upgrade costs and operational complexity within your security infrastructure with a **scalable, high performance**, encrypted traffic management solution

INTEGRATE WITH THE BLUE COAT GLOBAL INTELLIGENCE NETWORK

Collaborate with **75 million** users in **15,000** enterprises worldwide for threat updates and and **SSL web site categorization**

For More Information:
www.bluecoat.com/ATPlifecycle

* Gartner "Security Leaders Must Address Threats From Rising SSL Traffic". Published: 9 December 2013
** 6 J. W. Pirc, "SSL Performance Problems: Significant SSL Performance Loss Leaves Much Room for Improvement," NSS Labs, June 2013.