Secrets of Your Internet Encryption

SSL Encryption Will Break or Make Your Business

70% of Internet traffic is encrypted

50% of malware threats coming from use of SSL/TLS

Average Cost of a Data Breach: $4M

50% of monitoring tools looking for use of SSL/TLS

60% fail to decrypt in a timely fashion

50% of incoming traffic containing use of SSL/TLS

$4M average cost of a Data Breach

50% of incoming traffic containing use of SSL/TLS

EPHEMERAL KEYS

Aim is easier over time
Always there
Always the same

STATIC KEYS

DIFFICULT to hit every time
Different each time

Ephemeral Encryption Keys Preferred by

97% of Top 100 websites

20th is the 1st to 19th encryption keys most preferred by browsers

87% of Top 10,000 websites

130 browser variants studied

SERVICE PROVIDERS

Serving 10,000+ customers worldwide

1st to 19th encryption keys most preferred by browsers

20th is the [not so] best place of preference by browsers for a static key

Use Ephemeral Encryption Keys

Design your infrastructure to support ephemeral keys

Choose vendors who optimize hardware and software for ephemeral keys

Decipher Traffic Once, Use It Many Times

Deploy an active SSL visibility architecture

Decrypt SSL in intelligent network packet brokers

Process traffic to remove duplicate and unnecessary data

Provide optimized cleartext data to your monitoring and security tools

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