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Leveraging Machine Learning &
AI in Cyber Defense

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Keeping Pace with the Threat Landscape



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Cybercrime – Targeting the Clients



CLIENT TROJANS
ZEUS
NEVERQUEST
GOZI



PHISHING CREDENTIALS
4,000 PER MONTH



INFECTED WITH MALWARE
3,000 PER MONTH



FAKE SITES
100 PER MONTH



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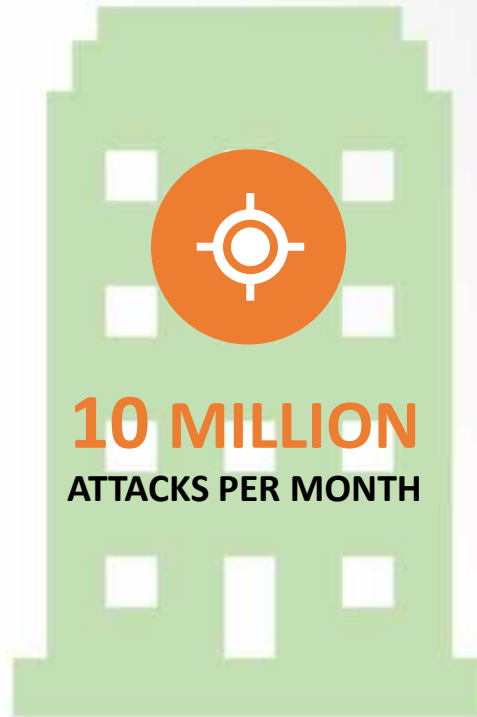
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Cybercrime – Targeting the Enterprise



90% OF EMAIL IS
SPAM



10 MILLION
ATTACKS PER MONTH



APPROX **1,200**
EVENTS PER MONTH



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Ransomware

Encryption

Military grade

Trojans

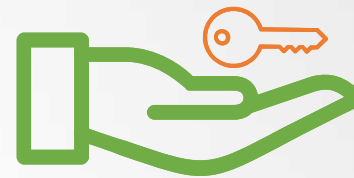
Jaff, Locky, Wannacry, Petrwrap

Approx 100 attacks per month

Scans whole network

Test Backups

Contingency planning



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Intellectual Capital

Data theft

Commercial gain

Identity theft

Fraud

Yahoo

1 Billion records stolen

Third parties

Government



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Hacktivist/Activist



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Nation State

Stuxnet

Advanced Persistent Threats (APTs)

Critical infrastructure



RUSSIA



NORTH KOREA



CHINA



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