



New Cybersecurity Threats and Landscape in our Hyper Networked World

WE LIVE IN A NETWORKED WORLD

2018 will bring more connectivity, digital transformation and data*

2018 will see a new number of threats making cybersecurity a crucial issue

- 2017 - WannaCry and new Malware
- Security experts witnessed changes in how they were attacked
- Cannot protect everything but find a way to control what matters
- 2018 will be the year where security will become part of the fabric of our lives

SHIFT IN FOCUS

from protection to prevention

Perimeter Network Security

- Focused on securing the perimeter
- works well on securing data moving to a protected asset
- recent breaches have shown that secured the perimeter does stop APT
- Shift to proactive and offensive approaches

Proactive and Offensive

- Move from a defensive approach
- Help detect and respond rather than react
- New focus on detection, response and remediation

Future

- Move to prediction
- What's coming before it happens

IOT ATTACKS

Shifting from chaos to Profit

Connected world

- Home and Company Connected
- 1 million connections per hour by 2020 - more vulnerabilities
- will become critical part of the enterprise security posture
- Difficult to monitor and manage

Attack Surface

- is growing rapidly
- New proactive and dynamic approach to security
- Layered defense strategy

Future

- defensive capabilities built into the device
- redefine architecture
- Develop mitigation strategy

GROWTH IN RANSOMWARE

Cyber-extortion tools

Ransomware

- Pervasive in 2018 at work and home
- moving from brute-force of infect, lock and extort
- Ransomware-as-a-service
- Can penetrate organizations in multiple ways

For Profit

- Estimated \$1 billion in 2016
- move from individual user to entire networks

Future

- Portfolios-Based not a single product
- Strong System and data recover plans

CLOUD SECURITY

*Cloud is a journey and cloud security must be the driver

AUTOMATION CYBERSECURITY

Increased automation in cybersecurity response

Human Factor

- sheer volume of incoming threats
- Ability to make quick and highly impactful decisions
- Talent crisis

Technology

- Attaining full visibility into both network and end points
- Identify soft spots

Future

- Machine learning
- AI or anomaly detection
- Understanding normal behavior

NO SILVER BULLET



THREATS YOU DON'T ADDRESS

Simple Effective Solutions

Perception

- 71% believe their tools are effective
- 58% infrastructure is up to date
- 74% believe their tools are effective against known threats
- 80% The cloud is more secure

Constraints

- budget, Compatibility, Talent
- 55% use between 6 and 50 security vendors
- 65% use between 6 and 50+ security products
- Disconnected and disparate systems cause compatibility issues

Impact

- 22% lost customers impact of security breach
- 29% lost revenue
- 44% of alerts are never investigated
- 54% of real alerts are never remediated
- 80% of breaches lasted more than hour

THANK YOU