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

Ransomeware

• Pervasive in 2018 at work and home
• moving from brute-force of infect, lock and extort
• Ransomeware-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 recovery 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

<table>
<thead>
<tr>
<th>Perception</th>
<th>Constraints</th>
<th>Impact</th>
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<tbody>
<tr>
<td>71% believe their tools are effective</td>
<td>budget, Compatibility, Talent</td>
<td>22% lost customers impact of security breach</td>
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<tr>
<td>58% infrastructure is up to date</td>
<td>55% use between 6 and 50 security vendors</td>
<td>29% lost revenue</td>
</tr>
<tr>
<td>74% believe their tools are effective against known threats</td>
<td>65% use between 6 and 50+ security products</td>
<td>44% of alerts are never investigated</td>
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<tr>
<td>80% The cloud is more secure</td>
<td>Disconnected and disparate systems cause compatibility issues</td>
<td>54% of real alerts are never remediated</td>
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THANK YOU