



TENTH ANNUAL LEADERSHIP EVENT

CYBER SECURITY SUMMIT

Security solutions through collaboration.™

THE RIPPLE EFFECT

The Cascading Impacts of Cyber Security

OCTOBER 26-28, 2020

cybersecuritysummit.org





Welcome

A Cost-Effective Model to Safeguard Your Small Business from
Cybersecurity Threats

Key Concepts

- You will be breached and phished, start there
- Cybersecurity is not just a tech problem, it is a people, process and technology problem
- Security must be looked at both physically and logically
- Risk is compounded as an SMB due to resource constraints and impact

Small Business Facts

- As of 2019 there were 30.7 million small businesses
- 28% of breaches in 2019 involved small businesses
- 63% of SMBs reported a breach in the past 12 months
- 46% of SMBs with less than 1K employees had 5-16 hours of breach related downtime in 2019
- 83% of data breaches against SMBs are financially motivated (Verizon's 2020 DBIR)
- 43% of small businesses do not have cybersecurity defense plans (IBM and the Ponemon Institute's The Cost of Insider Threats Global Report 2020)
- 23% of SMBs don't use endpoint protection (BullGuard survey)

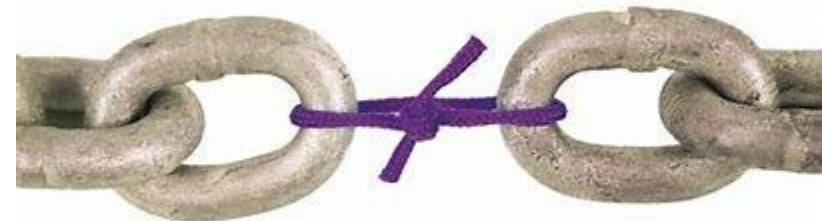
COVID Impact

- Shift to working online, and the overall general confusion around the pandemic has created an uptick in cyber attacks
 - Ransomware up 90%
 - Destructive attacks up 102%
 - Island hopping up 33% (using a company's assets to attack customers and partners)
- Home offices less secure than businesses



Impacts to the Supply Chain

- Sole source suppliers
- DoD to require companies handling their data to meet strict cybersecurity requirements (NIST SP 800-171 and CMMC)
- Attacks from breached sub-contractors
 - Visser (ransomware) – sub to Tesla, SpaceX, Boeing and Lockheed Martin
 - My story



What Should You Do

- Ensure your getting good backups- critical for recovery after an attack
- Train your employees on how to spot phishing attempts
- Patch your systems regularly
- Enable endpoint protection on top of traditional anti-virus utilities
- Enable multi-factor authentication (MFA)- username and passwords not enough
- Encrypt your data and limit access to only those that need it
- Find a partner to help you

Segmentation is key



Corporate Network computers can't access the Secure Enclave but Secure Enclave computers can access the Corporate Network.

Takeaways

- Small businesses have an impact on large businesses supply chains
 - breaches suffered from third party suppliers
 - delivery of key (sole source) components interrupted due to a cyberattack (ransomware)
- Back to basics, patch your systems, use antivirus tools, have a recent last known good backup, don't pay the ransom
- Use an enclave methodology to secure your most critical intellectual property and customer data, know where it is on your network
- Prepare your business now to meet emerging federal regulations, such as CMMC



Thank You!

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