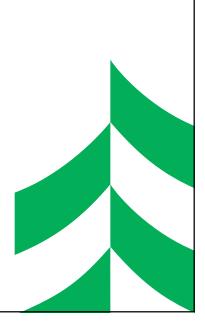


# **CYBER THREAT TRENDS**

KEVIN ANDERSON, CYBER SECURITY MANAGER OCTOBER 31, 2019





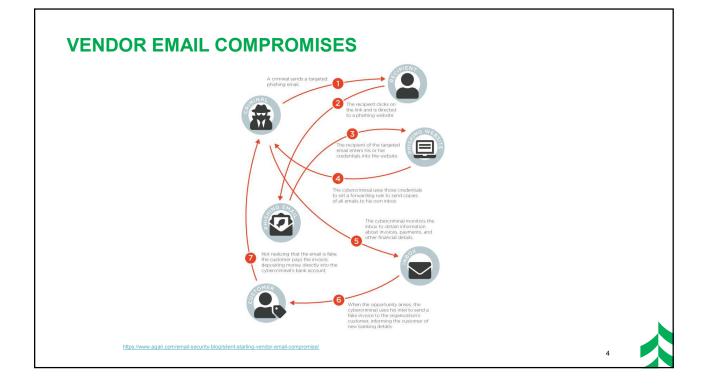
### **2019 THREATS**

- · Nation State
  - Focused on stealing intellectual data and creating collateral damage
  - Advanced Persistent Threat groups
- Organized Crime
  - Multiple organized groups working in unison for financial gain
  - Silence
  - Focused on attacking banks
  - Shadow brokers
    - · Selling stolen cyber attack tools
- · Data from past breaches being used for new scams.
  - Banking fraud
  - Credit fraud



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#### **BUSINESS EMAIL COMPROMISE** PHASE 2 PHASE 3 PHASE 4 Deception Action Apply Social Engineering Launch Attack **Reap Rewards** Cybercriminals start by building a target list, often using business contact databases, mining LinkedIn profiles, and even scouring the target's website to identify key individuals and relationships. Attackers launch BEC campaigns, sending email to their targeted list. BEC With trust, authority, and urgency established, the victim proceeds with the request. Unfortunately, the To convince the victim to take action, attackers attacks have no malicious payload and will use impersonate people of authority such as the CEO results end with great financial loss or a data impersonation tactics like display name deception, or CFO and project urgency within the request. spoofing, or look-alike domains. TANK https://www.agari.com/solutions/business-email-compromise 3

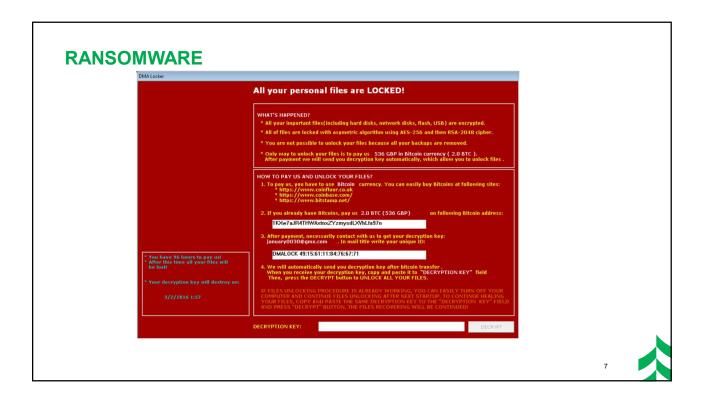


## **BEC\VEC BEST PRACTICES**

- If something seems odd or out of place with an email you receive call the person who sent it.
- Disable any old or unused business or personal email accounts
- Routinely review email inbox settings for unauthorized installation of email rules to autoforward or delete emails
- Enable Multi-Factor Authentication for all email accounts to defend against unwanted intrusion
- Call vendors if there is a request for change in bank account information
- Establish a user awareness program to educate users for cyber related attacks such as phishing.



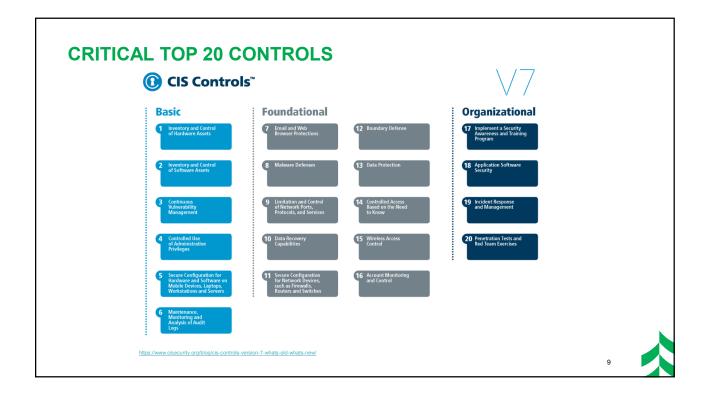
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Attached is the Notice of Electronic Funds Transfer Deposit from the Auditor of State. Please open the attachment for specific details regarding the deposit. Please do not respond to this e-mail.
Scott Grebe

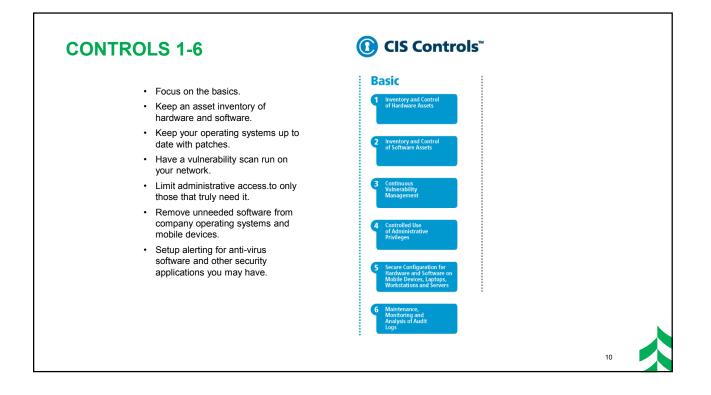


## **RANSOMWARE BEST PRACTICES**

- Paying Ransom does guarantee the organization will regain access to their data.
  - Some organizations were never provided the decryption keys
  - Others were continually extorted
- Typically ransomware attacks are the results of gaps in security controls.
  - Backups are critical in regaining the data.
- Ensure software and windows patches have the latest applied.
- User awareness is crucial.
  - Majority of ransomware attacks are done by Phishing









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	GUARANTEED	LOSE VALUE	FEDERAL GOVERNMENT AGENCY	DEPOSIT
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