Solano County Department of Information Technology

Purpose:
National Cybersecurity Awareness Month

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Theme and Key Message for October 2020

Cybersecurity Threats to teleworkers

- Increase in Phishing email attempts
- Malware and Viruses - increase in ransomware security incidents
- Weak passwords - easily guessed & reuse of passwords

Cybersecurity measures to secure teleworkers

- Training the County workforce – Phishing prevention training

- Deployment of Secure Remote Access System
  - Windows Video Desktop (WVD)
  - Implemented MS Teams, a collaboration tool
  - Virtual Private Network (VPN) with multi-factor authentication
  - Use of Reverse Proxy to allow secure access to internal web applications

- Anti-malware detection and prevention
  - Deployed advanced malware detection software on machines

Cybersecurity measures to secure teleworkers

- Multi-Factor Authentication (MFA) for O365 and VPN
- Blocking of commonly used passwords
- Password Auditing
  - Microsoft tool to detect and report commonly used passwords
  - Training users on how to create strong passwords

Cyber Hygiene Practices for Teleworkers

Personal Home Computers

- Secure your home Wi-Fi network
- Only operate Windows 10 with the default Windows Defender enabled
- Do not store County data on personal home computers
- Use Windows Virtual Desktop (WVD) to connect remotely

County-owned Computers

- Use VPN with MFA to connect to the County network
- Protect your password by:
  - Creating strong passphrase using a combination of words, letters, numbers, and special characters
  - Do not share your password with anyone
- Physically secure your laptops
- Report all cybersecurity incident to DoIT Helpdesk

Improving the County's Cybersecurity Defense

- Building a comprehensive security strategy to maximize the value of our security investments
- Improving the County's ability to recognize and respond to cybersecurity incidents.
- Educating County personnel on current cybersecurity threats and their role in cyber security
- Partnering with federal agencies (DHS, MS-ISAC, NCRIC - Northern California Regional Intelligence Center) - For Cyber security intelligence / Information Sharing / Resources

Questions?

https://www.cisa.gov/national-cyber-security-awareness-month