



Solano County Department of Information Technology

Purpose:

National Cybersecurity Awareness Month

Presented by:

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Theme and Key Message for October 2020



OCTOBER IS

**CYBERSECURITY
AWARENESS
MONTH**

**DO YOUR PART.
#BECYBERSMART.**

STAYSAFEONLINE.ORG/
CYBERSECURITY-AWARENESS-MONTH

A photograph showing several people's hands and arms, all focused on their smartphones. One person in a red shirt is prominently featured in the foreground, holding a red smartphone. The background is blurred, showing more people in what appears to be a public space.



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>

I'M A

CYBERSECURITY AWARENESS MONTH CHAMPION

YOU CAN BE ONE TOO! REGISTER YOURSELF OR YOUR ORGANIZATION

STAYSAFEONLINE.ORG/CYBERSECURITY-AWARENESS-MONTH/CHAMPIONS

 CYBERSECURITY AWARENESS MONTH

A photograph of a person's hands typing on a dark-colored computer keyboard. Floating above the keys are several blue speech bubble icons, each containing a white icon and a number: a star with '32', a speech bubble with '5', a person icon with '18', an envelope icon with '11', an '@' symbol with '9', and a heart icon with '25'. The background is a blurred blue and white, suggesting a digital or network environment.