



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 holding and using smartphones, illustrating the theme of digital safety.



Cybersecurity Threats to teleworkers

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

DO YOUR PART.
#BECYBERSMART





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**

The graphic is a promotional poster for Cybersecurity Awareness Month. It features a light blue background with a subtle pattern of dots and lines. The text is in a bold, sans-serif font. The right side of the graphic is a close-up of hands typing on a laptop keyboard, overlaid with several blue speech bubbles containing white icons and numbers: a star with 32, a person with 18, a heart with 25, a speech bubble with 5, an envelope with 11, and an @ symbol with 9.