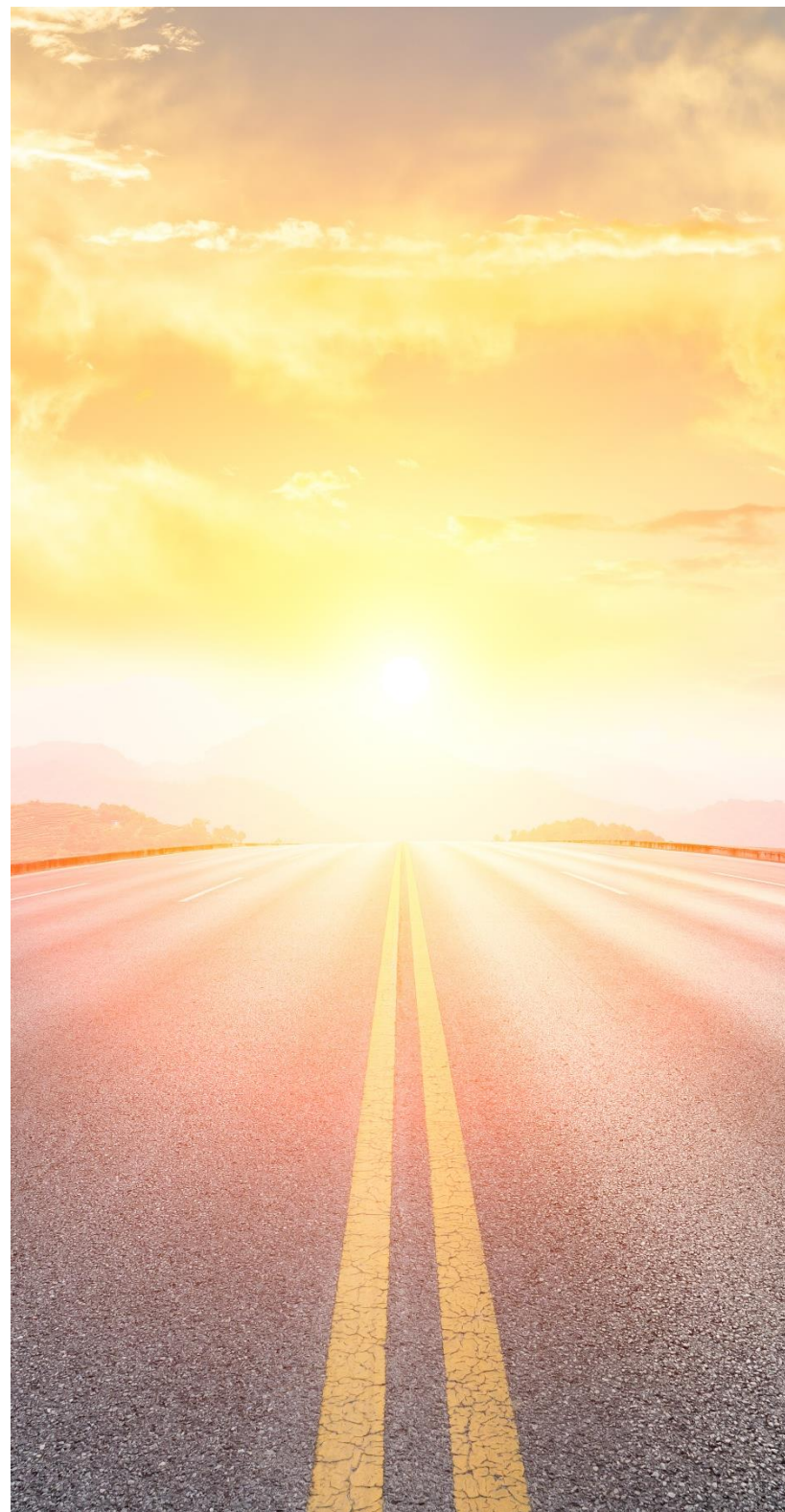

CYBERSECURITY

Tools and tips for working remotely and securely

March 30, 2020





Meet your presenter



Jeff Krull
Partner
CPA, CISA



Agenda

- 01 Learning objectives

- 02 Remote working cybersecurity reminders

- 03 Home WIFI optimization

- 04 Regulatory considerations

- 05 Questions



LEARNING OBJECTIVES

After attending this webinar,
participants will be able to:

1. Identify common cybersecurity controls for working remotely
2. Describe strategies for optimizing the home network
3. Review some of the potential regulatory hurdles to working remotely from a security/privacy perspective

Remote working cybersecurity reminders



Controls to consider implementing:

Multi-factor authentication

VPN

Unique access codes/passcodes for web meetings/conference calls

Patch

Back up critical files

Lock devices after inactivity

Summary of Alert AA20-099A - COVID-19 Exploited by Malicious Cyber Actors

- Phishing, using the subject of coronavirus or COVID-19 as a lure,
- Malware distribution, using coronavirus- or COVID-19-themed lures,
- Registration of new domain names containing wording related to coronavirus or COVID-19, and
- Attacks against newly—and often rapidly—deployed remote access and teleworking infrastructure.

Joint alert from the United States Department of Homeland Security (DHS) Cybersecurity and Infrastructure Security Agency (CISA) and the United Kingdom's National Cyber Security Centre (NCSC) Alert (AA20-099A)

Tips to recognize phishing from Alert AA20-099A and the NCSC suspicious email guidance

Phishing emails often have:

- **Authority** – Is the sender claiming to be from someone official (e.g., your bank or doctor, a lawyer, a government agency)? Criminals often pretend to be important people or organizations to trick you into doing what they want.
- **Urgency** – Are you told you have a limited time to respond (e.g., in 24 hours or immediately)? Criminals often threaten you with fines or other negative consequences.
- **Emotion** – Does the message make you panic, fearful, hopeful, or curious? Criminals often use threatening language, make false claims of support, or attempt to tease you into wanting to find out more.
- **Scarcity** – Is the message offering something in short supply (e.g., concert tickets, money, or a cure for medical conditions)? Fear of missing out on a good deal or opportunity can make you respond quickly.

<https://www.ncsc.gov.uk/guidance/suspicious-email-actions>

Remind everyone:



- **LOOKOUT!** For suspicious emails, texts, phone calls, apps
- **KNOW!** The proper email addresses, phone numbers (home, cell) for key contacts
- **CHECK!** Your organization's official website(s) daily for updates
- **REPORT!** To your organization's IT and/or information security functions, via the approved channels, any suspicious communications or events, as well as any systems that are not working properly

Remind everyone:



- Don't click on suspicious links in emails or texts
- Don't send/reveal personal, financial, or username/password info in emails or texts
- Don't share organization-owned devices with family and friends
- Don't use public Wi-Fi; if you must only connect for a minimal time and always connect via VPN
- Don't use free tools (e.g., free Gmail/Google Docs) for official sensitive matters
- Don't use social media (e.g., Facebook, TikTok, Instagram, WhatsApp) for organization work and communications (unless explicitly approved by your organization)
- Don't download new apps on your devices without proper vetting
- Don't use personal devices to access organization systems and data (unless explicitly approved by your organization)
- Don't use USB drives (e.g., thumb or jump drives) unless acquired from or approved by your organization

3

Home WIFI optimization



Things to consider:



- The “speed” of your home internet is only one factor
- How many people and devices are connected to your router?
 - What are others in your residence doing online? Streaming? Gaming?
- When did you last change your wifi password?
- Where is your home router located?
- How can you test connection speed?
- Should you consider wifi mesh or wifi extenders?
- For conference calls and video conferences, what is your best connection medium? Landline? Cell phone? Is IP calling turned on or off on your cell phone?

4

Regulatory considerations

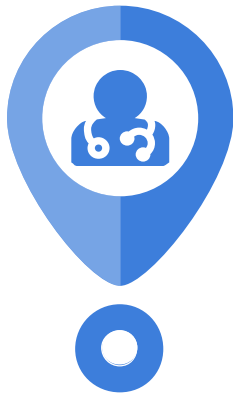


Things to consider:



- Most data security and privacy laws don't stop because you are working from home
- Have you reminded your users of their obligations surrounding any security/privacy laws that may apply to their work?
 - Were they ever trained on security/privacy requirements?
 - Have you suggested ways they could maintain security/privacy in a home work environment?
- Have you inadvertently tripped new security/privacy requirements based on the location of users?

HHS OCR Update



Several OCR announcements related to the COVID-19 Nationwide Public Health Emergency have been made including:

- Enforcement Discretion allowing providers to serve patients where they are through commonly used apps like FaceTime, Skype, and Zoom
- Guidance on Defending Against VTC Hijacking and Zoom-bombing
- Enforcement Discretion to Allow Uses and Disclosures of Protected Health Information by Business Associates
- Guidance to Help Ensure First Responders and Others Receive Protected Health Information about Individuals Exposed to COVID-19
- Guidance on how health care providers can share information with the CDC, family members of patients, and others
- Enforcement Discretion for Community-Based Testing Sites



Questions? Connect with us



Jeff Krull

Partner

CPA, CISA

jeff.krull@bakertilly.com

+1 (215) 557 2223



bakertilly.com/risk



Baker Tilly resources

Within the next week you will receive a follow-up email containing the [slides](#) and [recording](#) from today's presentation.



Visit [bakertilly.com](https://www.bakertilly.com) for additional tools and resources, including our [Coronavirus Resource Center](#)



Disclosure

The information provided here is of a general nature and is not intended to address the specific circumstances of any individual or entity. In specific circumstances, the services of a professional should be sought.

Baker Tilly Virchow Krause, LLP trading as Baker Tilly is a member of the global network of Baker Tilly International Ltd., the members of which are separate and independent legal entities. © 2019 Baker Tilly Virchow Krause, LLP.