

Fix the basics, protect first what matters for your business and be ready to react properly to pertinent threats"

Stephane Nappo Global Head Information Security Société Générale



Dr Stephen Hill

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Alarming Rise in Pandemic-Related Cybercrime



67% of IT leaders predict an increase in targeted phishing emails in which cybercriminals take advantage of the transition back to working in the office



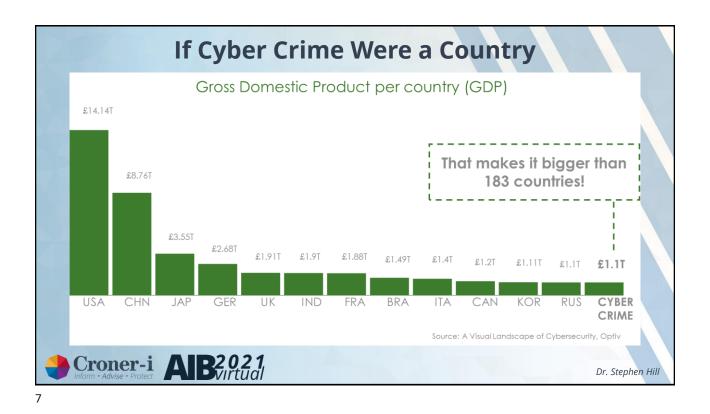
Microsoft reports that pandemic-themed phishing and social engineering attacks have jumped by **10,000 a day**



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Cyber security experts report that ransomware attacks are up by 800%

Source: MonsterCloud, Top Cyber Security Experts Report: 4,000 Cyber Attacks a Day Since COVID-19 Pandemic













A PERPETRATOR'S STORY

MAKSIM VIKTOROVICH YAKUBETS

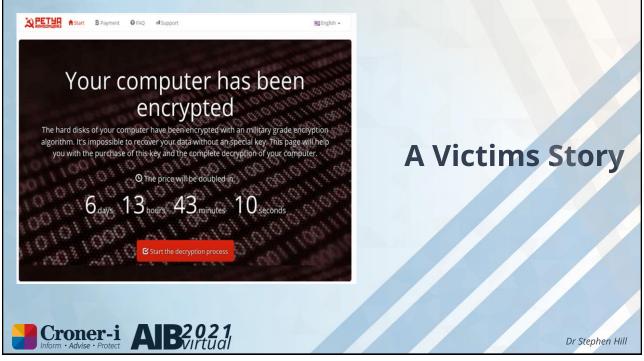


'Cybercriminals are recruited to Russia's national cause through a mix of coercion, payments, and appeals to patriotic sentiment,' reads a 2017 story from The Register about security firm Cybereason's analysis of the Russian cybercrime scene.

'Russia's use of private contractors also has other benefits in helping to decrease overall operational costs, mitigate the risk of detection, and gain technical expertise that they cannot recruit directly into the government. Combining a cyber-militia with official state-sponsored hacking teams has created the most technically advanced and bold cybercriminal community in the world.'

> Source: The Register, "Russia is struggling to keep its cybercrime groups on a tight leash," June 2017

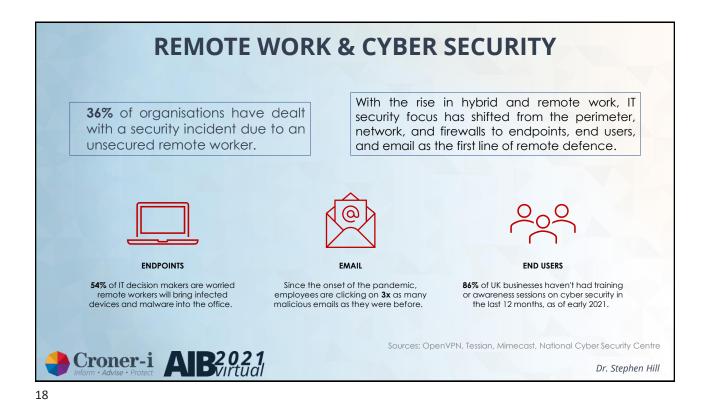
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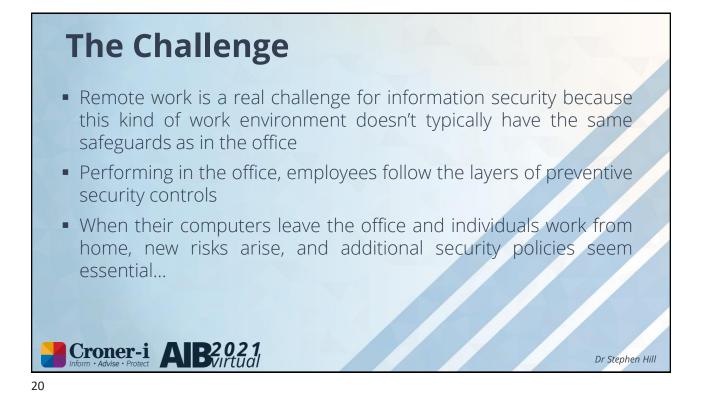












HR Tech Legal

HR Strategy



Engagement & Performance

'Ticking time bomb' | Frustrated home workers in

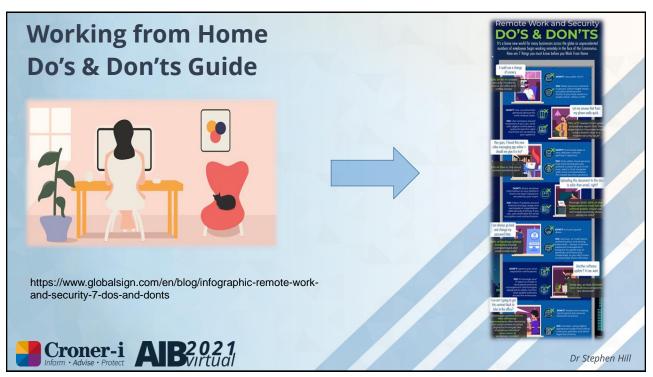
Stringent security measures were an immediate concern in the move to home working, as gaining access to sensitive information and work-based discussions progressed remotely. However, new data from HP has found that younger workers are growing frustrated over accessibility.

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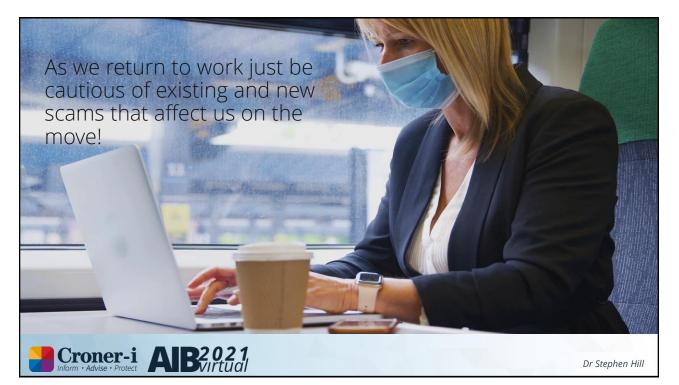
The data found that over half of 18–24-year-olds are more worried about meeting deadlines than exposing their organisation to a data breach, suggesting a growing level of apathy that may well result in fatal errors...

https://www.hrgrapevine.com

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You might want to think twice before plugging in at an airport or on the train. Juice jacking happens when unsuspecting users plug their electronic devices into USB ports or use USB cables that have been loaded with malware. The malware then infects the devices, giving hackers a way in. They can then read and export your data, including your passwords, and even lock up the gadgets, making them unusable. Juice jacking exploits the fact that somebody doesn't have a full Croner-i AB2021

Stop! Don't Charge Your Phone This Way

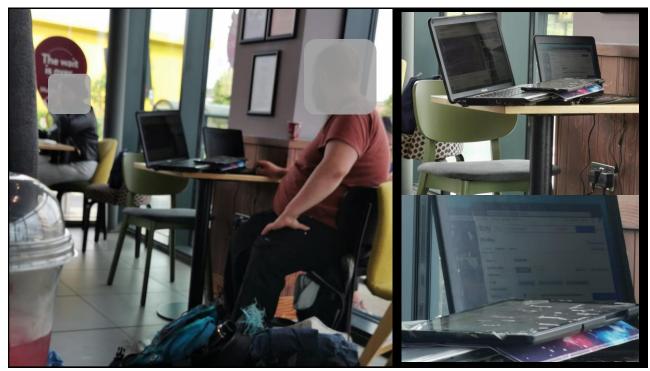
battery, said Liviu Arsene, a cyber security expert at BitDefender, a Romanian cybersecurity and antivirus software company.

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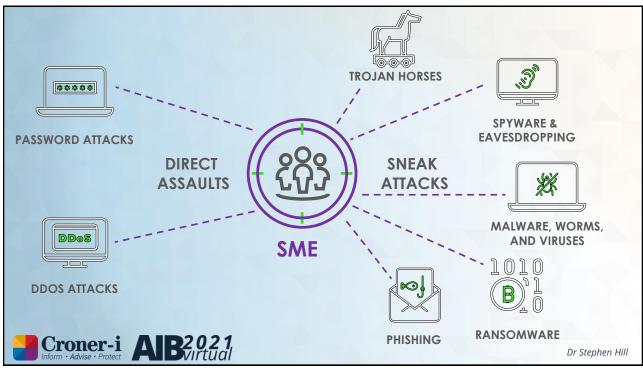


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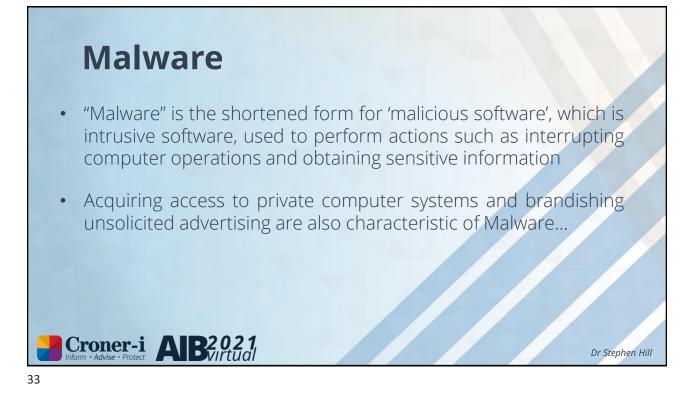








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Windows 10 Flaw Lets Malware Disguise Itself as Legit Software

BY MICHAEL KAN 14 JAN 2020, 8:10 P.M.

The National Security Agency is urging users, especially enterprises, to install the patch from Microsoft. In the wrong hands, the vulnerability can be used to spoof the digital certificates software companies use to verify that their applications are authentic.





The US National Security Agency has warned Microsoft about a vulnerability in Windows 10 that can be abused to make **malware** look like a legitimate program.

On Tuesday, Microsoft released a patch to fix

the flaw, which also affects Windows Server 2016 and Windows Server 2019. The "spoofing vulnerability" involves the operating system's CryptoAPI, also known as Crypt32.dll, which can be used to encrypt and decrypt data.

https://uk.pcmag.com/windows-10/124501/windows-10-flaw-lets-malware-disguise-itself-as-legit-software



Ransomware

What is Ransomware?

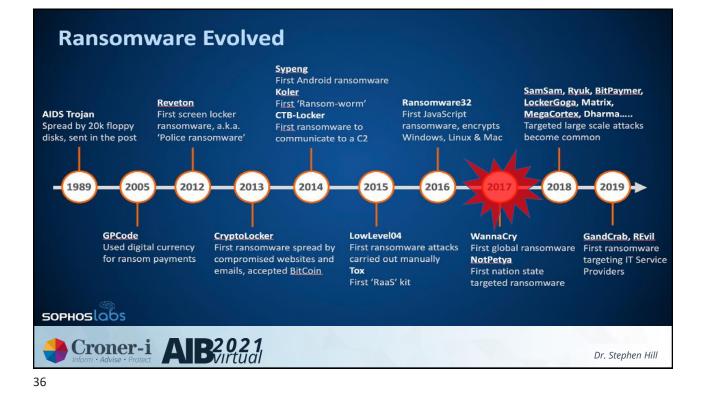
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Ransom malware, or ransomware, is a type of malware that prevents users from accessing their system or personal files and demands ransom payment in order to regain access.

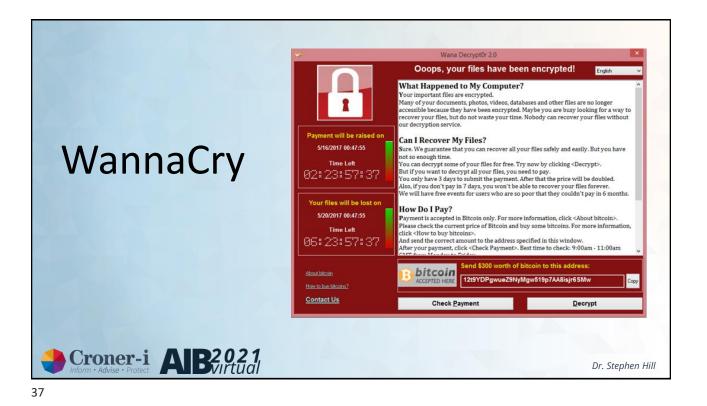
The earliest variants of ransomware were developed in the late 1980s, and payment was to be sent via snail mail.

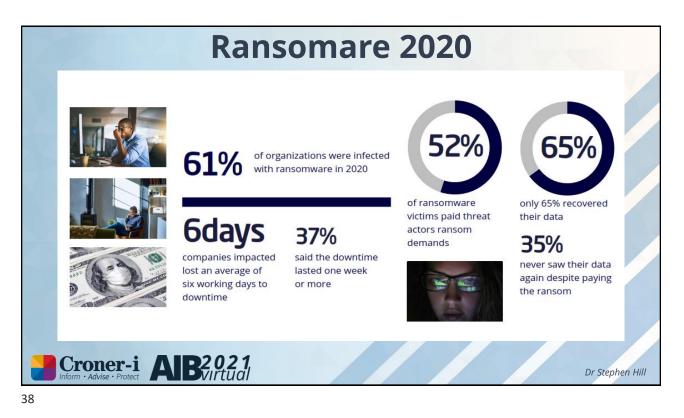
Today, ransomware authors order that payment be sent via cryptocurrency or credit card...

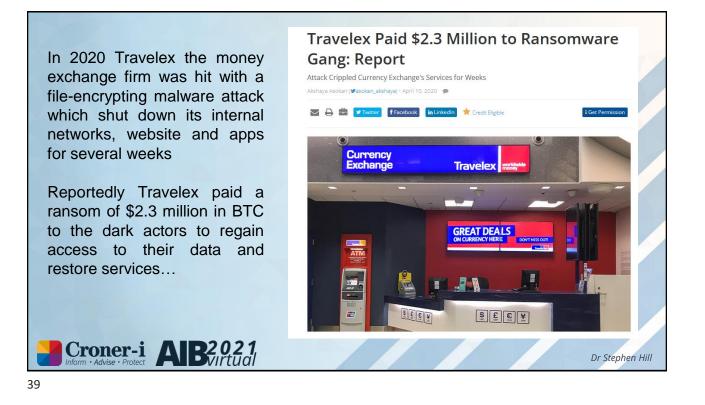
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Source: malwarebytes.com







- Norsk Hydro the Norwegian energy company experienced a ransomware attack in 2019, it refused to pay
- Instead, the company decided to consult supply chain cybersecurity experts to inspect 30,000 employee credentials and get to the root of the attack
- By taking responsibility and steps to better protect their systems in the future, the company saved reputational damage and put themselves in a better position if another attack occurs...





Hackers hit Norsk Hydro with ransomware. The company responded with transparency

WHAT IS THE IMPACT OF DOWNTIME?

WHEN IT COMES TO RANSOMWARE ATTACKS, MSPs* REPORT THE COST OF DOWNTIME IS

53X

GREATER THAN THE RANSOM REQUESTED

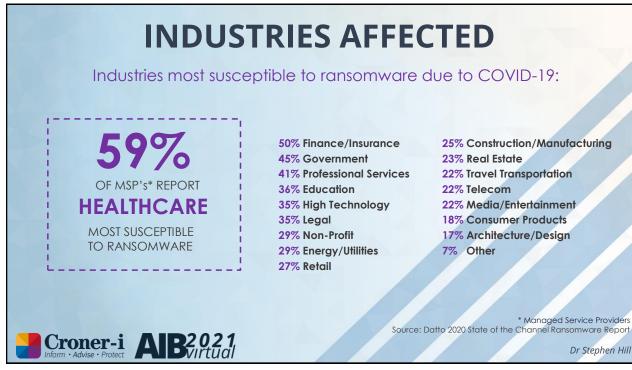
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DATA'S RESALE VALUE DOESN'T MATTER WHEN IT COMES TO RANSOMWARE

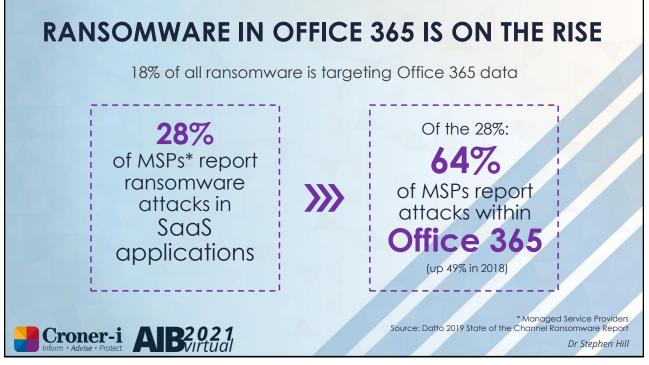
Ransomware attackers don't need to be able to monetise stolen data, they just need the victimised business to require their data enough to pay to get it back.

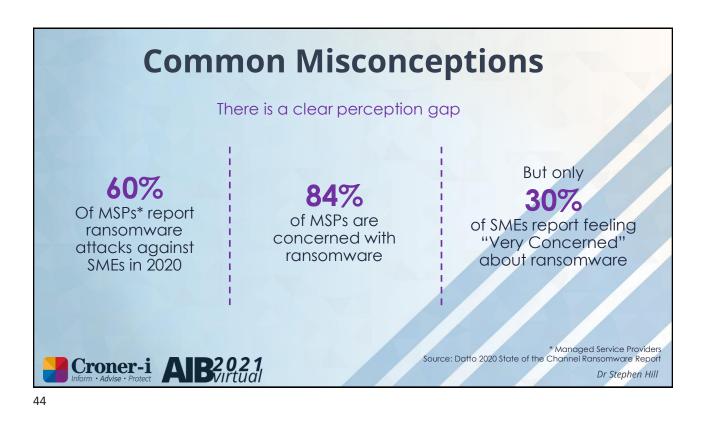
'20% of MSPs reported that SMEs were forced to pay a ransom in order to return to normal business.'

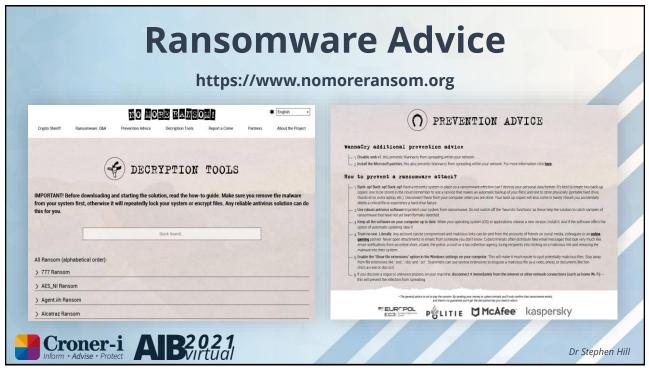
* Managed Service Providers Source: Datto 2020 State of the Channel Ransomware Report Dr Stephen Hill



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TIPS TO PREVENT POTENTIAL **RANSOMWARE ATTACKS** Keep your Don't click the links. computer patched and up to date. Use an **anti-virus** Practice safe scanner. browsing habits. Use a firewall. Back up your files. Croner-i AB2021

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|----------|--|--|---|
| Croner-i | AIB2021 Virtual | | Dr. Stephen Hill |

| Increase awareness of (CorrD2); URGENCY Increase awareness of (corrD2); URGENCY In view with the directives, the institution is currently organizing a seminar for all staff to talk about this deadly virus. All employee/staff must register by end of work tomorrow. Disciplinary measure will be taken for staff that fails to complete this instruction. Winning this battle is our collective effort. Kindly follow the link COVID SEMINAR to register and be counted as complete. Instructions for the staff survey is given as attachment in this instruction. We recommend all staff for talks to the steps to make sure all complete this directive. Instructions for the staff survey is given as attachment in this instruction. We recommend all staff for talks to complete this instruction. The physical staff to talk to complete this instruction to the steps to make sure all complete this instruction. We recommend all staff review the steps to make sure all complete this instruction. The physical staff to talk to the steps to make sure all complete this instruction. We recommend all staff to talk to complete this instruction. We recommend all staff to talk to complete this instruction. We recommend all staff to talk to complete this instruction. We recommend all staff to talk to the steps to make sure all complete this. Image: Complete all to talk totalk to talk to talk totalk to talk to talk to talk to talk to tal |
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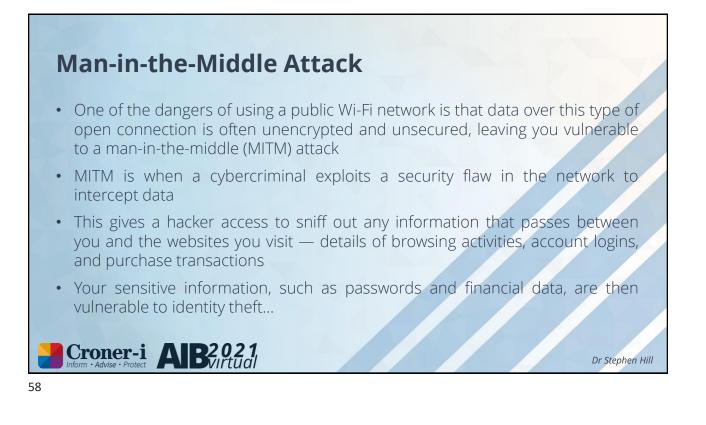


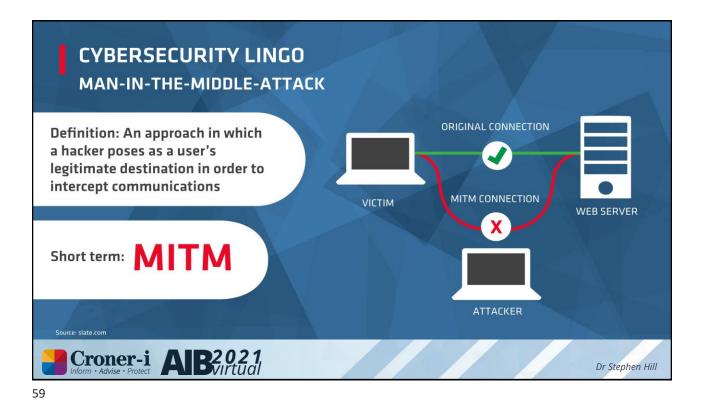












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Wifi security tips for home networks

- Confirm your ISP is up-to-date
- Avoid public wifi hotspots
- Manually check URLs are secure
 - HTTP URLs use SSL encryption to protect visitors to the site
- Use secure passwords
- Keep antivirus software up to date
- Use multi-layered security
 - Keep your operating system's firewall updated and use two-factor authentication to access your internet accounts...

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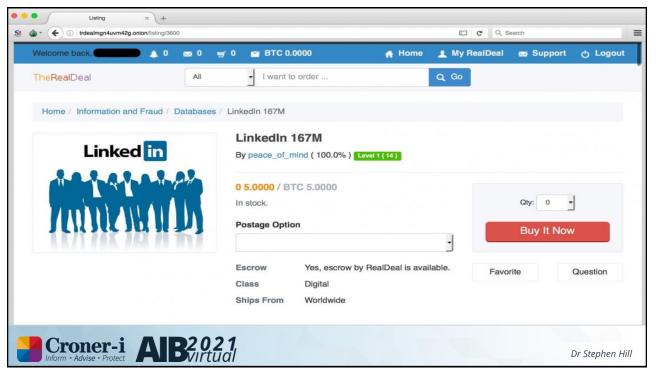
Dr Stephen Hill



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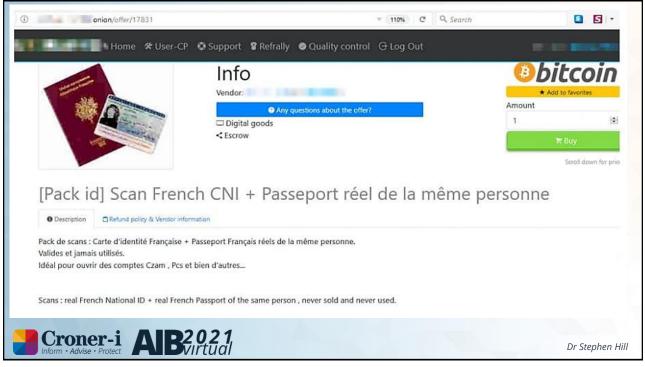








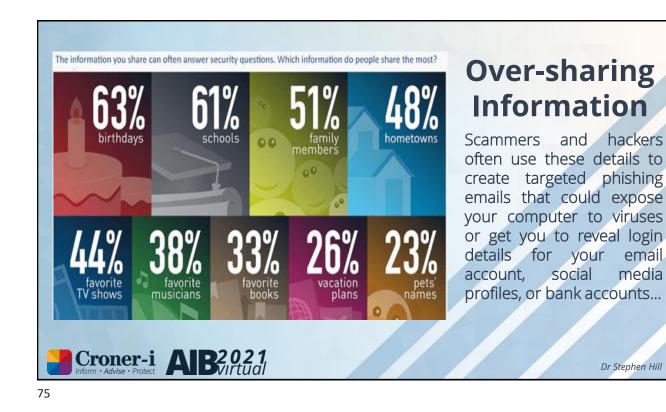
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- One of the more elaborate schemes that's becoming increasingly popular is the creation of fake accounts that send friend or connection requests to users within the network
- Once a fake account is connected to a user, it's relatively easy to trick the user into clicking a malicious link...

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Fake Accounts/Connection Requests



Mia Ash

500+

Photographer at Mia's Photography London, Greater London, United Kingdom | Photography

Current Mia's Photography Previous Loft Studios, Clapham Studios Education Goldsmiths, University of London

Once a fake account is connected to a user, it's relatively easy to trick the user into clicking a malicious link.

This is just what happened in 'The Curious Case of Mia Ash', a fake LinkedIn persona that was designed to establish relationships with employees at targeted organisations...

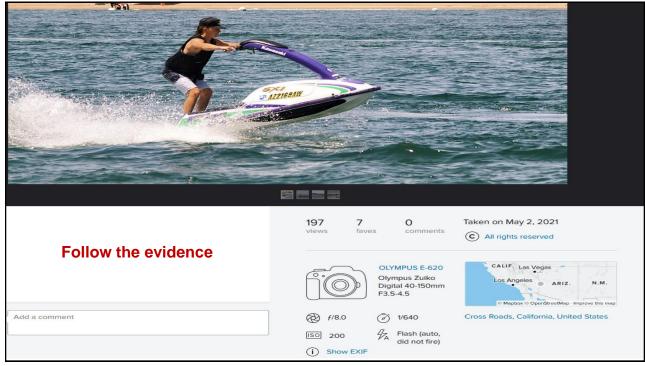






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Key Points to Remember When Using Social Media Sites

- DON'T over-share personal information
- DON'T click on suspicious links or posts
- DON'T accept connection requests from people you don't know
- DO use strong, unique passwords for each platform
- DO use two-factor authentication whenever possible
- DO regularly check your privacy settings on each social platform
- DO check which third-party apps have access to your social media profiles
- DO actively monitor your social media accounts
- DO educate yourself and your employees on social media attacks and threats

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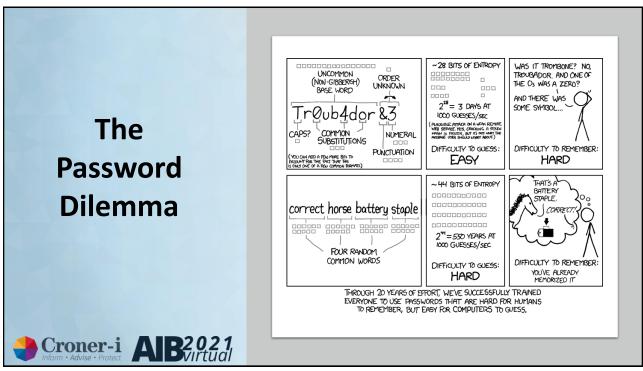
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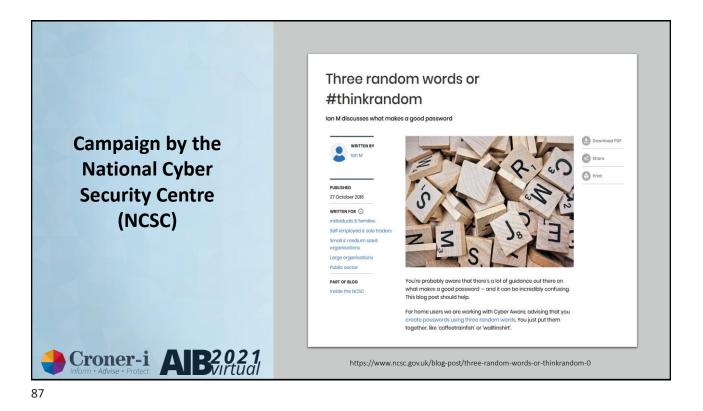
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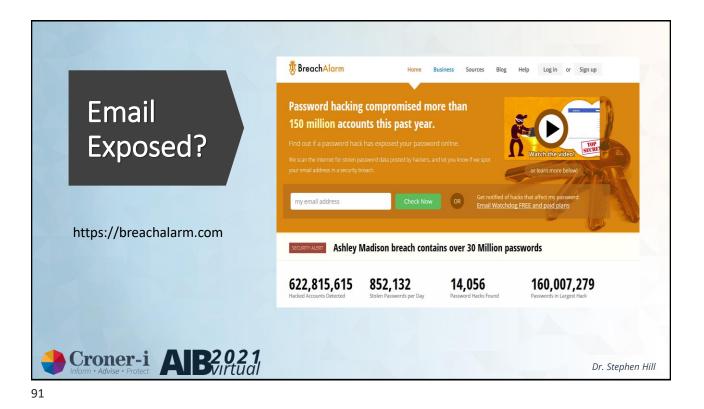


Password Advice

- Regular password changing harms rather than improves security – so AVOID placing this burden on users!
- BUT users must change their passwords on indication of suspicion or compromise

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Password Managers

- According to Keeper Security, 81% of data breaches are due to weak password security with the average cost of a data breach to a company coming in at \$7 million
- Password managers let users create hard-to-break passwords and automatically log in to websites without having to remember those passwords
- Many also analyse the strength of passwords, monitor accounts for data breaches, and provide secure private browsing networks...

LastPass

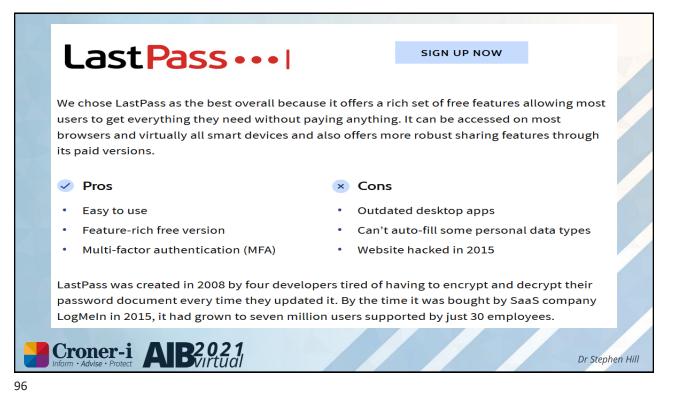
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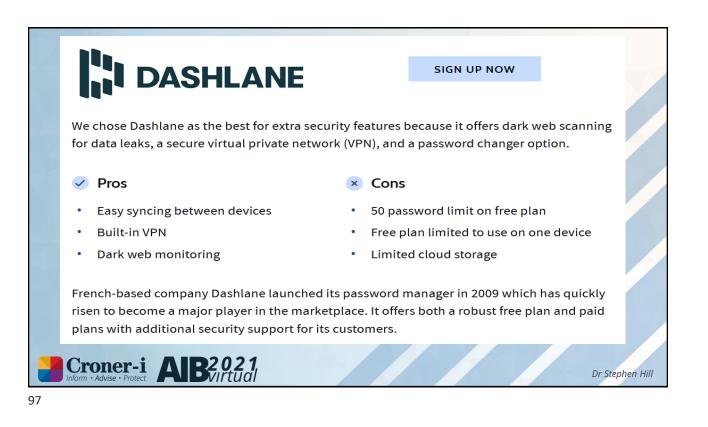


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What is Cyber Security?

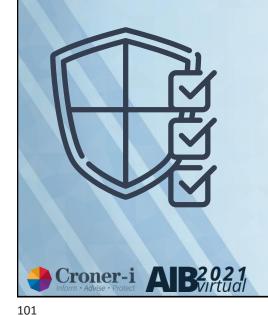
Cyber Security is the protection of devices, services and networks - and the information on them – from theft or damage via electronic means.



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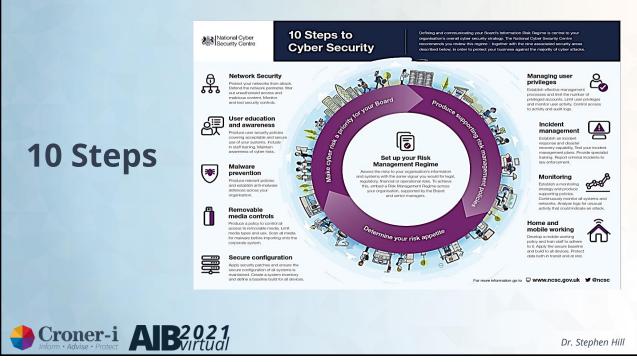
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Computer Security - checklist

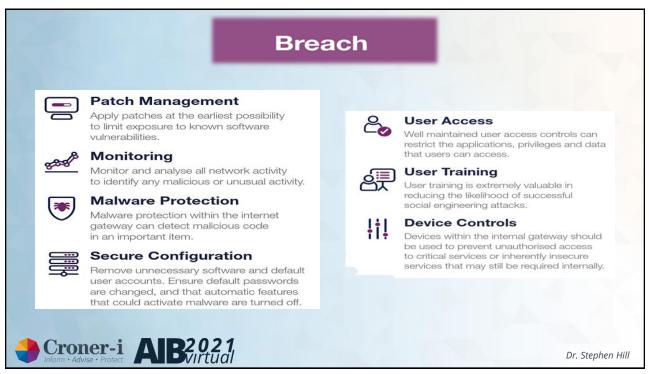


- Harden your devices
 - No matter which OS used always keep it up to date
 - Passwords multi factor authentication
 - Limit the number of applications running on a device
- Antivirus & Malware
 - Use real-time applications
 - Run both anti-malware differs from anti-virus
 - Ensure the use of a firewall on mobile devices
- Physical Security
 - Consider disconnecting camera(s) and microphone
 - Encrypt and wipe devices before recycling
 - Turn off WiFi & Bluetooth...

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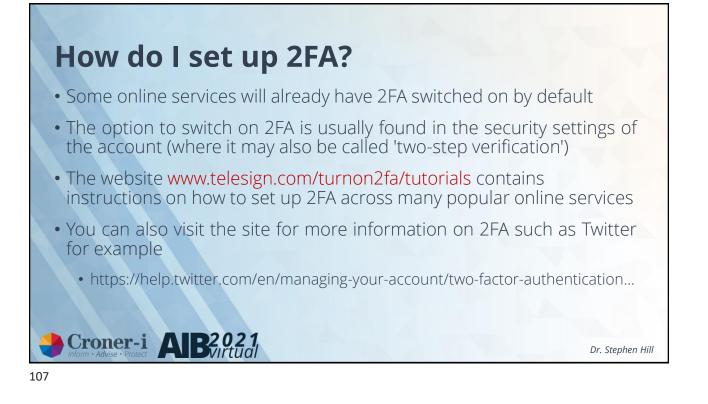
Setting Up New Accounts

- Many organisations will be setting up new accounts allowing staff to work from home
- When setting up a new account consider the following:
 - Strong passwords
 - 2FA (Two-Factor Authentication)*

* Double checking the person trying to login in is genuine...



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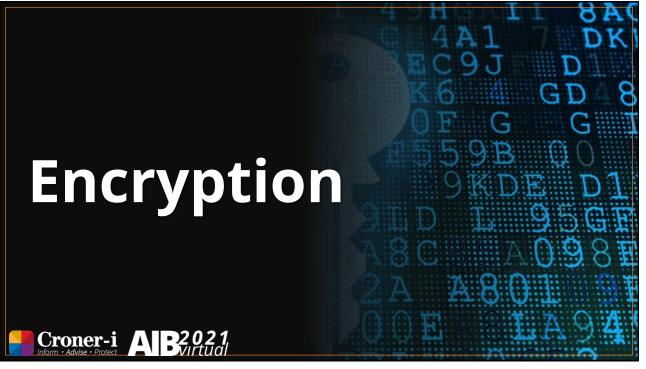


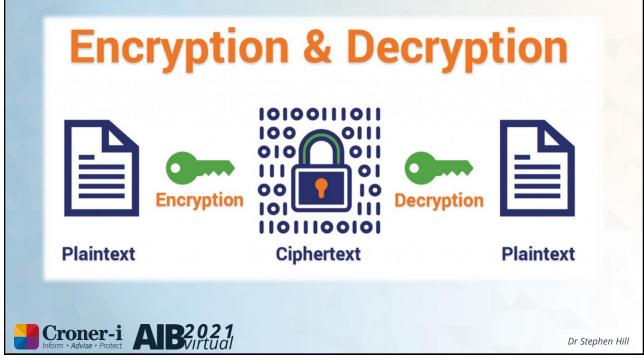
Data Exposure - Risk & Remedy

- Remote workers are more likely to have their devices stolen (or lose them) when they are away from the office
- Make sure devices encrypt your data which will protect your company data on the device if it is lost or stolen
- Today most modern devices have encryption built in, but it may need to be turned on and configured
- Most devices include tools that can be used to remotely lock access to the device, erase the data stored on it, or retrieve a backup of this data. ...

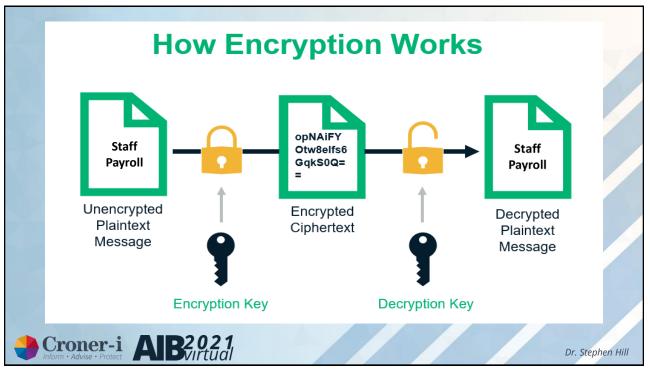


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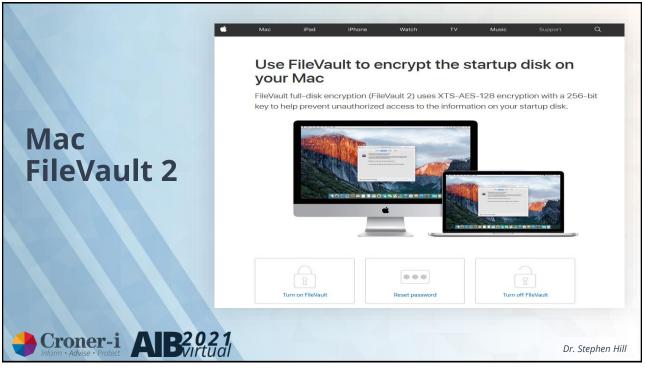








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| | Microsoft | Office | Windows | Surface | Xbox | Deals | Support | More ~ | | Q | Ä | Sign in | |
| 4 | Windows Sup | port | Downloads | Community | Contac | t us | | | | | | | |
| | How to encrypt a file File encryption helps protect your data by encrypting it. Only someone with the right encryption key (such as a password) can decrypt it. File encryption is not available in Windows 10 Home. | | | | | | | | | 🖾 Email | | | |
| | | | | | | | | | xey (such as | Print Gubscribe RSS Fee | | | |
| | | Right-click (or press and hold) a file or folder and select Properties. Select the Advanced button and select the Encrypt contents to secure data check box. | | | | | | | | | | | |
| | 3. Select OK to close the Advanced Attributes window, select Apply, and then select OK. | | | | | | | | | | | | |
| | Last Updated: 20 Nov 2017 | | | | | | | | | | | | |
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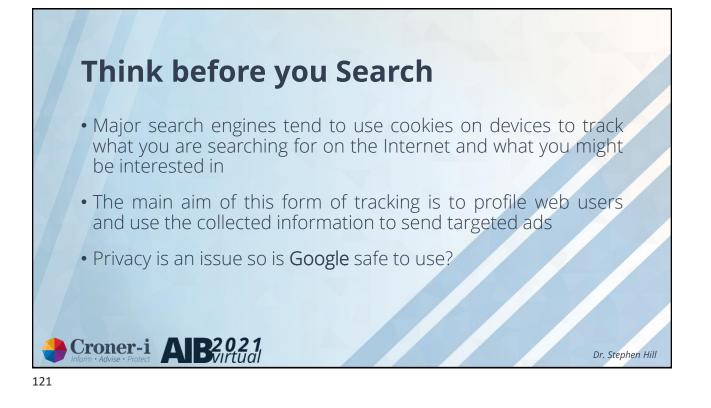
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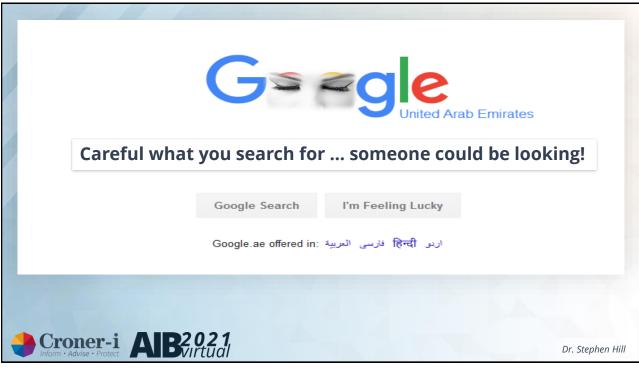




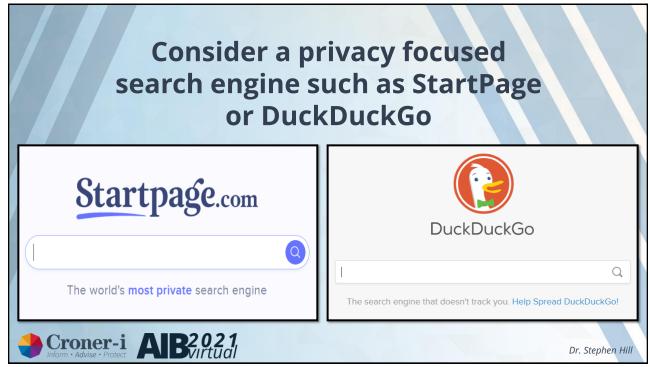
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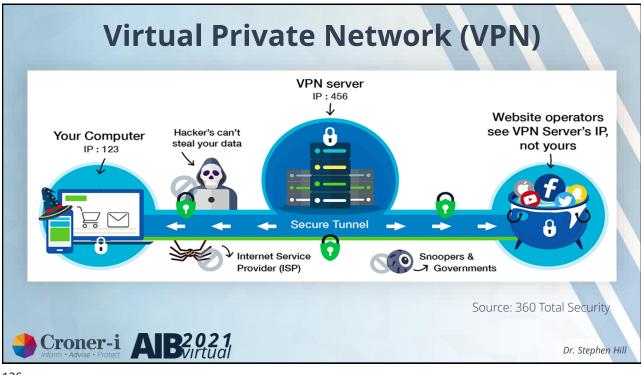








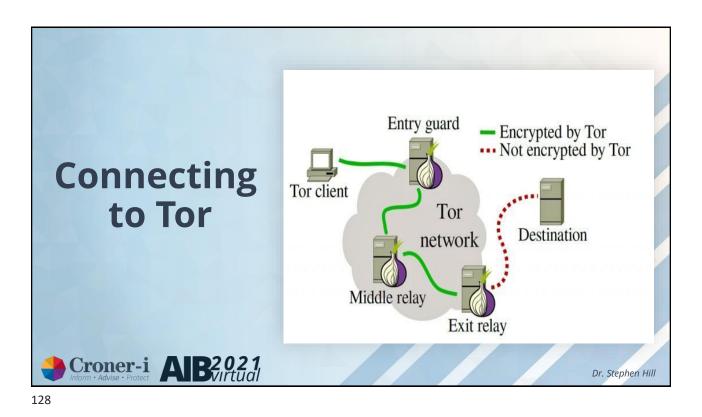
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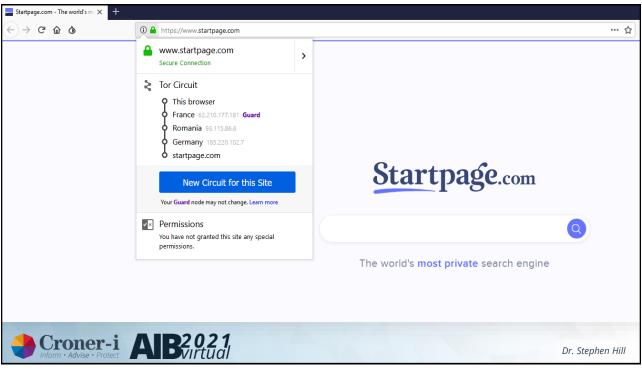


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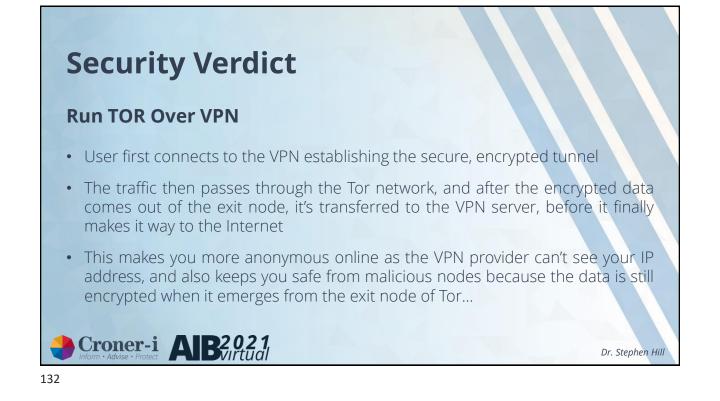














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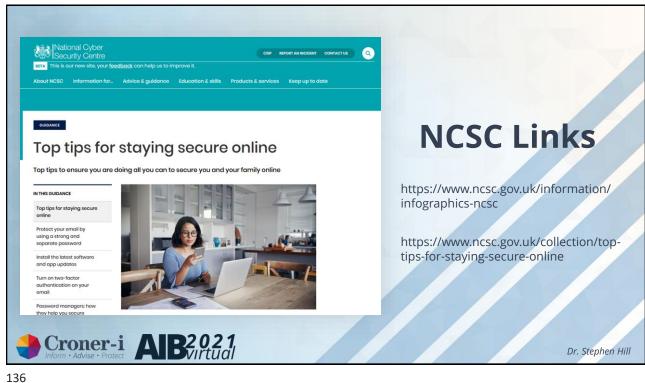
Get into Good Habits - things to check

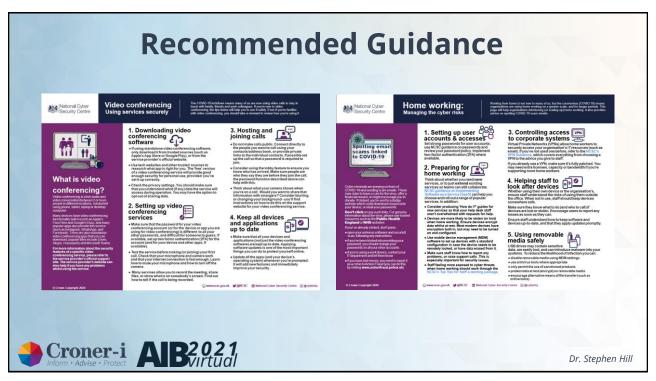
- Install the latest software and app updates onto all your devices including mobiles and tablets
 - They contain vital security updates which help protect your device from viruses and hackers
- Use a strong, separate password for your email account
 - Hackers can use your email to access many of your personal accounts, by asking for you password to be reset, and find out personal information, such as your bank details, address or date of birth, leaving you vulnerable to identity theft or fraud
- Secure your tablet or smartphone with a screen lock
 - Give your device an extra layer of security by setting it to lock when you aren't using it
- Always back up your most important data
 - Safeguard your most important data such as your photos and key documents by backing them up to an external hard drive or a cloud-based storage system...

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Thank you

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