



Phillips Lytle LLP

Cyber Security Management When Working From Home

United States Tennis Association

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Why Are Data Privacy and Security Important?

- Personal information (health, financial, etc.) of employees and business partners
- Confidential information
 - Trade secrets
 - Sensitive information
 - Market intelligence
 - Not just your organization's information
- Required by law
- Good for the organization (trust, retain valuable assets, public image)
- Business continuity





Perspective

- Average total cost of a data breach: \$3.92 million
(IBM Security & Ponemon Institute, *2019 Cost of a Data Breach Study: Global Overview*)
- 56% of surveyed companies experienced data breaches caused by third parties
(Ponemon Institute, *Data Risk in the Third-Party Ecosystem, Second Annual Study (2017)*)



What Are Some Risks When Working From Home?

- Physical security
 - Workspace
 - Files
- System and network security
 - Encryption
 - Backups
- Personal devices
- Use of third-party communication platforms
- Data creation and destruction





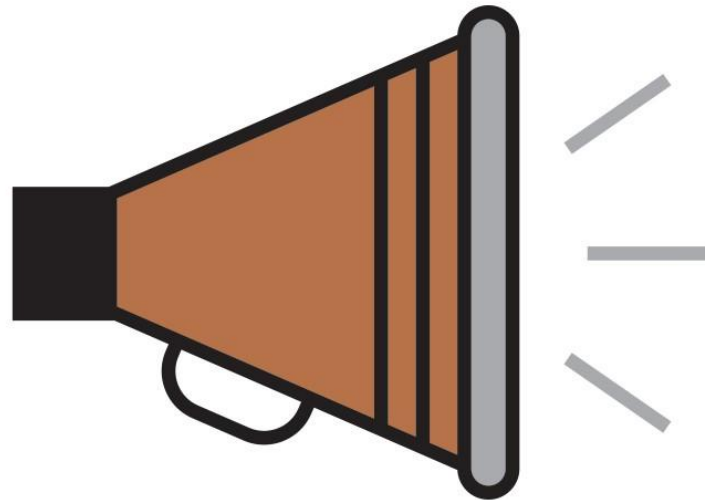
Security on the News

- Networks used to work from home are 3.5x more likely to have malware present (45% on personal networks vs. 13.3% on corporate networks).
- Botnets are more prevalent, for example:
 - Mirai botnet is at least 20x more frequently on home networks vs. corporate networks; Trickbot at least 3.75x more frequently on home networks vs. corporate networks.
 - Cable modems, routers, cameras, phones and other IoT devices



Security on the News (Cont'd)

- MyFitnessPal
- Starwood
- Target
- Austrian hotel
- Ring camera system
- Google Nest devices
- Zoom





What Can You Do to Manage Risk?

- Policies
- Efficient and secure messaging system for all employees, even if no remote access to work e-mails
- Efficient and secure messaging system for clients and business partners, and advising in a timely manner on how they may communicate with your employees and how you plan to conduct transactions
- Communicate strategy clearly and in a timely manner to employees, especially if the employees work from home and/or use their own personal devices to do so



What Can You Do to Manage Risk? (Cont'd)

- Carefully vet platforms and applications before endorsing use by employees.
- Reduce network traffic (such as staggered working hours).
- Obtain sufficient licenses for necessary software, and prohibit employees from sharing passwords/accounts.
- Provide a list of FAQs regarding anticipated technical issues to reduce calls to the IT help desk regarding common questions (such as checking internet speed and how to increase internet bandwidth).





What Can You Do to Manage Risk? (Cont'd)

- Mandate minimum device and browser security requirements (software versions should be updated and patched), particularly if connecting to the organization's network.
- Do not share the devices.
- Increase network security measures.
- Employ Mobile Device Management or Mobile Application management tools.
- Remind employees not to use unapproved methods of communication, devices or access to data.
- Do not forget third parties.



Video Conference Applications

- Limit access
 - Passwords;
 - Information distribution/lock meeting; and
 - Transfer of written information.
- Be wary of links.
- Be mindful of your physical surroundings.
- Close unnecessary windows.
- Beware of possible recording.





Insurance Considerations

- Business disruption/business continuity
- Scope of coverage
- Notice requirements
- In the event of a data incident, have a trusted team ready to step in.



Questions?





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Thank You

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