Managing Cyber Risk in 2022

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Cheat Sheet

Education

☐ Aside: You need a clear, short, low-BS security policy

☐ Build a culture of collaborative reporting – catch suspicions before they become incidents

☐ Train skepticism instincts through examples

☐ Regular trainings, no “watch the video” – ideally by an internal security hero

☐ Find ways to discuss security outside regular trainings – recent news, internal improvements, ideas or experiences

- ☐ All-hands meetings
- ☐ Functional groups
- ☐ Project groups

☐ Test your training – Phishing and malware e-mails, SMS requests, etc.

Multi Factor Authentication

☐ At least

- ☐ All critical systems
- ☐ All accessible from the general internet (cloud software, VPN, public cloud systems)

☐ Consolidate for efficiency – Use “single sign on” from an MFA capable system (e.g. M365)

☐ Talk to your employees about how MFA can be foiled – e.g. push notification exhaustion

Secrets Management

☐ Help employees migrate from sticky notes, password spreadsheets

☐ Use a great vendor – We like BitWarden, but 1Password and other reputable generally OK

☐ Must use MFA for password manager

☐ Enforce good policies – long passphrases, no dupes, etc. – and make generation easy

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Encryption

☐ Encrypt all devices – phones, tablets, laptops, desktops, cloud VMs, physical servers

☐ Consider a system to enforce, either built into e.g. M365 or a separate MDM

Disaster Recovery

☐ Short as practical, clear

☐ Start now, consider deferring sticking point grey area to trusted stakeholders

☐ Model common disasters

- ☐ Ransomware
- ☐ Data leak
- ☐ Office, datacenter, or cloud infrastructure loss
- ☐ Cloud software extended downtime

☐ Model goals

- ☐ Restore operations temporarily
- ☐ Report to customers, regulators or other stakeholders
- ☐ Investigate
- ☐ Recover long-term
- ☐ Improve for the future

☐ Use your resources - peers, partners, consultants as appropriate

☐ Test - simple tabletop discussion to full scenario test, depending on needs

Insurance

☐ You're never 100% secure

☐ Cyber insurance provides tools to offset financial loss and maintain operations

☐ Talk to your peer firms, insurance providers

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Other Ideas to Evaluate

WiFi vs. Hotspots

IoT Segmentation

Vendor Evaluation

Creative Pen-Testing

Data Locality

Cloudflare – Website, Web Apps and Zero-Trust

M365 Defender / ATP

Closing: You're on point with updates, of course!