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CyberSecurity Webcademy:

Make It Harder for Cyber Criminals to Get In

Presenters

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Agenda

Summary of Session 2: Securing Your Environment

How to make it harder for cybercrimals to get In

What's next?

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Summary of Session #1: The Basics

- [x] **Security Assessment**
- [x] **Staff**
- [x] **Spam Email**
- [x] **Passwords**

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Summary of Session #2: Securing Your Environment

- [x] **Computer Updates**
- [x] **Log Management**
- [x] **Firewalls**
- [x] **Encryption**

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Risk #1: **Rattling Your Digital Doors**

- Any device is an entry point for threats
- A common weak spot that allow these attacks access to your infrastructure
- Traditional antivirus software only protects the endpoint

Ponemon Institute's Cost of Data Breach Study

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Prevention #1: **Advanced Endpoint Detection**

- Provides layered defenses - protects the many devices that connect the network
- Protects endpoints and the network together as part of a single ecosystem
- Protects by using machine-learning or behavioral analysis

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Advantages #1: **Advanced Endpoint Detection**

- Can define a range of policies that minimize risks to all endpoints
- Can be deployed to remote endpoints- even if those are personal computers
- Ensures that everyone is working securely no matter where they are

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Risk #2: **Bring Your Own Headache**

- Wide scale use of public cloud services – Dropbox, Google Drive, iCloud, Zoom
- Workforces become more distributed, increased access to inappropriate websites or content

Source: Cisco 2020 Benchmark Report

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Prevention #2: **Web Gateway Security**

- Blocks access to websites or content based on acceptable use policies
- Enforces their security policies to make internet access safer
- Helps protect data against unauthorized transfer

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Advantages #2 – Web Gateway Security

- Total peace of mind that all internet traffic is secure
- Centralized /consistent policies across all remote locations
- Better performance and user satisfaction

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Risk #3: Your Pa$$word

CyberCriminals

- Purchase credentials, test for matches on other systems
- Use user lists, attempt the same password over a very large number of usernames

Sources: Digital Shadows

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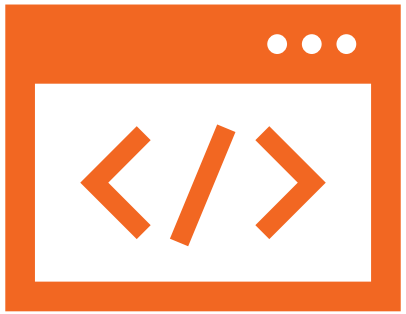
Prevention #3: **Dark Web Research**

- Understand if there are activities being plotted against your business
- Continuous monitoring for activity containing your business accounts
- Immediate identification of all business accounts stolen and/or for sale



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Advantages #3: **Dark Web Research**

- Reduced risk of account takeover, business email compromise and live hack
- Improved password policy awareness for both business and personal safety
- Improved awareness of threat actors and dark web activity

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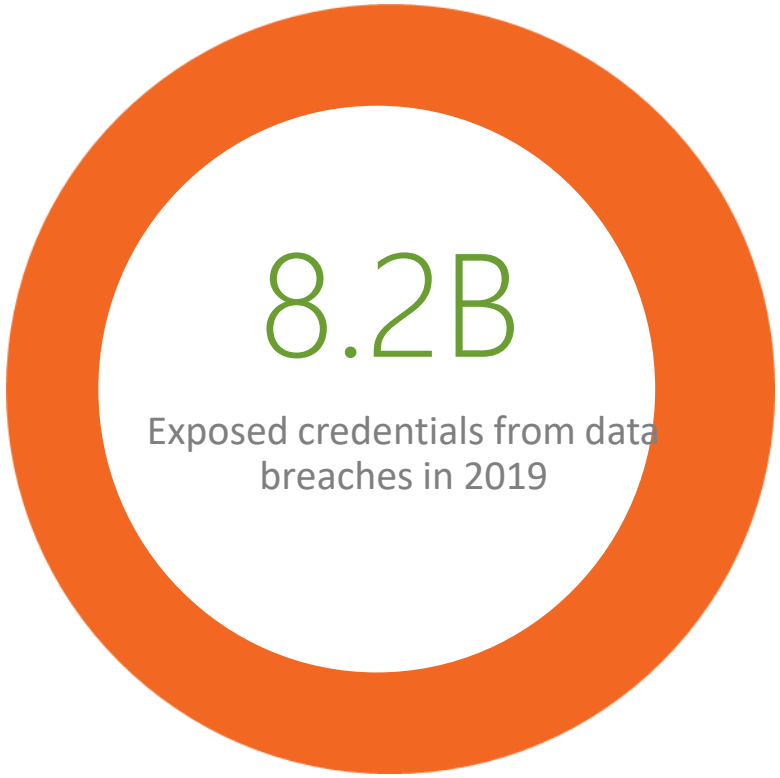
Risk #4: **Leaving the Key Under the Doormat**



- "username and password" approach to account security can be easily breached
- Employees do fall for phishing scams
- Biggest security threat today is the risk of compromised credentials

Source: Risk Based Security Data Breach Report

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Prevention #4: **Multi-Factor Authentication**

- A process where a user is prompted during sign-in for an additional form of identification
- Ensures that even if your password does get stolen, your data stays protected

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Advantages #4: **Multi-Factor Authentication**

- Keeps your business ahead of ever-changing security threats
- Verify identity in seconds
- Avoid an expensive data breach

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- 10/ 7 - Being Prepared for an Incident

Thank you!

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