Cybersecurity for CEOs Phase 2

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One Technology Solution: Yours

**Presented by
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> What's Changed in the Last 3 Years

> What it means to be a Cyber Focused CEO

> Yesterday's Cybersecurity isn't Enough

> In summary - 5 Things You Can Do NOW

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City of Dallas Breach

> Access gained through stolen credentials

> Cybercriminals were inside the City of Dallas network for several weeks before being discovered

> Financial losses of at least $8.5M, plus 26,000 residents' data was disclosed

City of Dallas

The City is experiencing a service outage and is working to restore services.

We appreciate your patience during this time.

Tweets by @CityOfDallas

Get up to date information on Twitter →

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Caesar's & MGM

> Access gained through social engineering that led to MFA bypass

> Caesar's paid a $15M ransom

> Both organizations had MFA

Dollys.com

> Russian hackers gained access, exfiltrated their data, then locked their data with encryption

> Dollys.com paid the ransom in exchange for deleting exfiltrated data that included account logins, credit card info, customer info

> The hackers kept the ransom payment but published the data to the Dark Web anyway

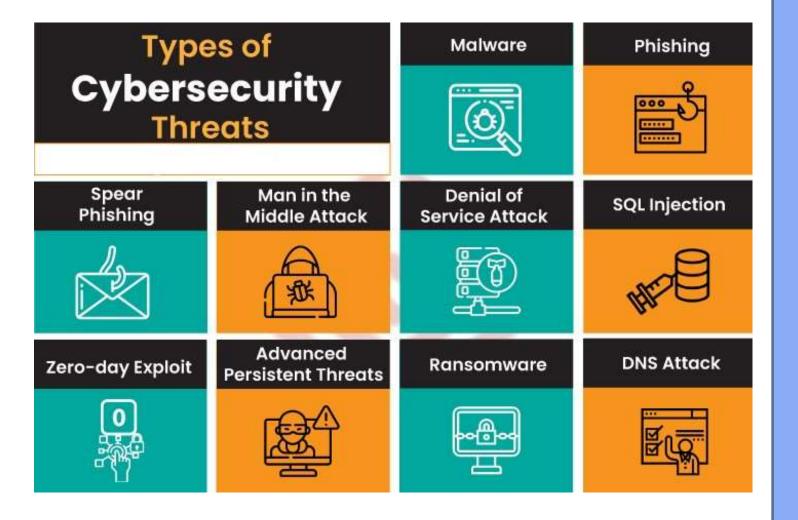Exclusive Research

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Remote Work Trends

> Pandemic increased Remote Work options

> Decentralized Workforces

> More cloud applications

Cybersecurity Threats

> Volume & Sophistication

> Phishing Threats

> Ransomware

 ■ Double & Triple Extortion

> But wait, there's more!

Types of Cybersecurity Threats

Malware	Phishing	
Spear Phishing	Man in the Middle Attack	Denial of Service Attack	SQL Injection
Zero-day Exploit	Advanced Persistent Threats	Ransomware	DNS Attack

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Business Risk

> All companies are now "Tech" companies

> IT Systems more important than ever

> Compliance regulations are changing and increasing

> Cyber Insurance premiums are skyrocketing

Understanding Cyber Risk

> Not possible to eliminate Cyber Risk, only reduce it

> 1st Party Risk

> 3rd Party Risk

> Scenario – Internal IT

> Scenario – Independent IT Guy

> Scenario – Outsourced IT/Managed IT Provider

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Make Cybersecurity a Priority

> Educate yourself, subscribe to Cybersecurity Threat feeds

> Follow company Cybersecurity processes & procedures

- Complete Annual Cybersecurity training

- Follow processes for financial transactions

> Engage with your IT team about Cybersecurity

- Trust but verify

- Give them a seat at the Executive table

> Maintain Cyber Insurance

- Conduct a Risk Assessment

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Yesterday's Cybersecurity isn't Enough

> The business world has changed

- No longer operating in the walled fortress of your office

- Remote users, apps/data in the cloud

- Antivirus & Firewall at the office isn't enough

The NEW Basic Cybersecurity

> End Point Detection & Response (EDR) instead of Antivirus

> Multi-Factor Authentication & Single Sign On

> Security Awareness Training, Phishing Simulations, & Dark Web Monitoring

> Cybersecurity Monitoring – SIEM/SOC as a Service, Managed Detection & Response, don't forget to monitor cloud apps/data, if budget allows

> 3rd Party IT Audits

  ■ Vulnerability Assessments

  ■ Penetration Tests

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What's Next in Cybersecurity

> Zero Trust Architecture

> Cybersecurity Monitoring – SIEM/SOC as a Service, Managed Detection & Response, don't forget to monitor cloud apps/data

> Don't forget backups (both local and cloud), Incident Response, Risk Assessments, and other Cyber Assessments

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Summary – 5 Things to Do NOW

Cybersecurity for CEOs Phase 2 - Summary

> A lot has changed – Remote Work, Cloud, Cyber Threats, Cyber Risk, Cyber Insurance

> Step 1 – Educate yourself on Cyber Threats

> Step 2 – Follow Cybersecurity processes

> Step 3 – Engage your IT team about Cybersecurity

> Step 4 – Maintain appropriate Cyber Insurance

> Step 5 – Implement the NEW Basic Cybersecurity

> Bonus Step 6 – Start researching what's NEXT in Cybersecurity

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> **Any questions?**

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