

Cybersecurity Defensibility

Presented by

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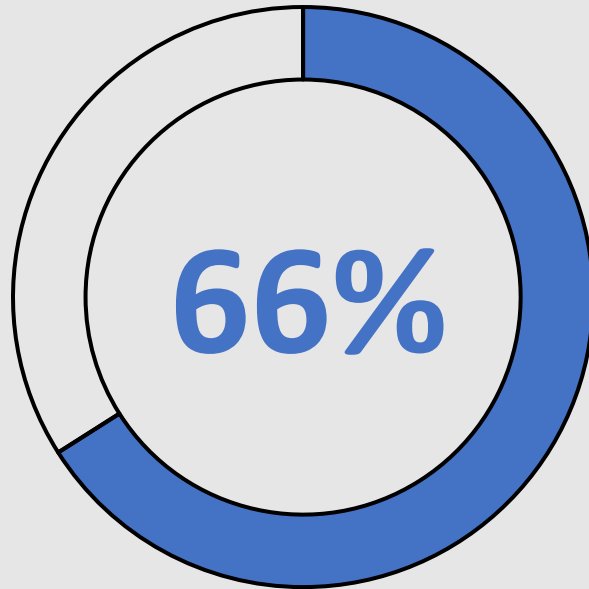
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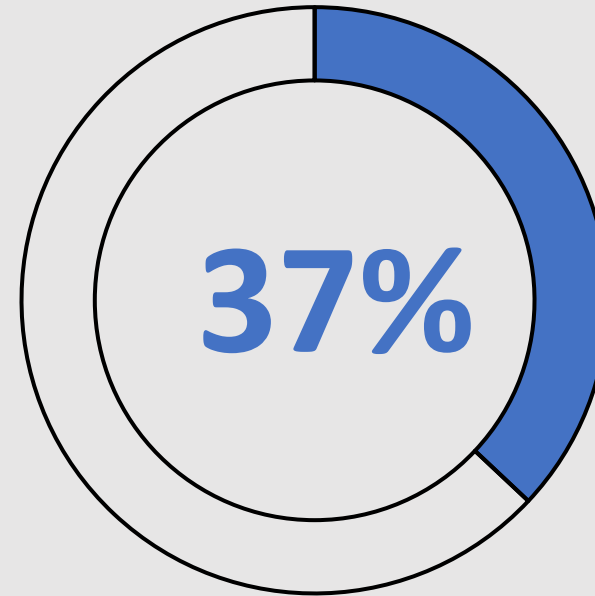
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Hit by ransomware in the last year



2021



2020

The State of Cybersecurity in Healthcare

63%

Number of cyberattacks increased over course of 2020

60%

Cyberattacks are too advanced for IT team to deal with on own

70%

Cybersecurity workload increased over course of 2020

63%

Response time to cases increased over course of 2020

\$1.27M

Average ransomware remediation cost in healthcare, considering downtime, people time, device cost, network cost, lost opportunity, ransom paid, and more – **the lowest across all sectors.**

Cyber Insurance Has Got Harder to Secure

94%

The process for securing cover changed over the last year

54%

Higher level of cybersecurity needed

47%

Policies are more complex

40%

Fewer companies now offer cyber insurance

37%

The process takes longer

34%

It's more expensive

How to protect your environment from a Cyberattack

Security Assessments

- It's important to establish a baseline of existing vulnerabilities. When did you do your last assessment?

Security Awareness Training

- Train your users and often. Teach them about data security, email attacks, and your policies and procedures.

Managed Detection & Response

- Protect your workstations and servers from malware, viruses, and Cyberattacks using endpoint detection with a Security team.

Firewall

- Turn on intrusion detection and intrusion prevention features. Monitor security logs and events.

Multi-Factor Authentication (MFA)

- Utilize MFA whenever you can. It adds an additional layer of protection to ensure password do not get stolen.

Backups

- Backup locally and backup to the cloud. Test your backups for corruption and make sure they are clean!

How to protect your environment from a Cyberattack

Computer & Application Updates

- Keep all applications and workstations up do date.

Dark Web Research

- Knowing in real-time passwords and accounts have been posted on the Dark Web will allow you to be proactive.

Mobile Device Security

- Cyber criminals attempt to steal data or access your network by the way of your employee's devices.

Passwords

- Apply security policies on your network. Deny or limit USB file storage and set user screen timeouts.

Encryption

- Whenever possible the goal is to encrypt files at rest, in motion and especially on mobile devices.

Security Information & Event Management

- Review all event logs to protect against advanced threats and to meet compliance requirements.

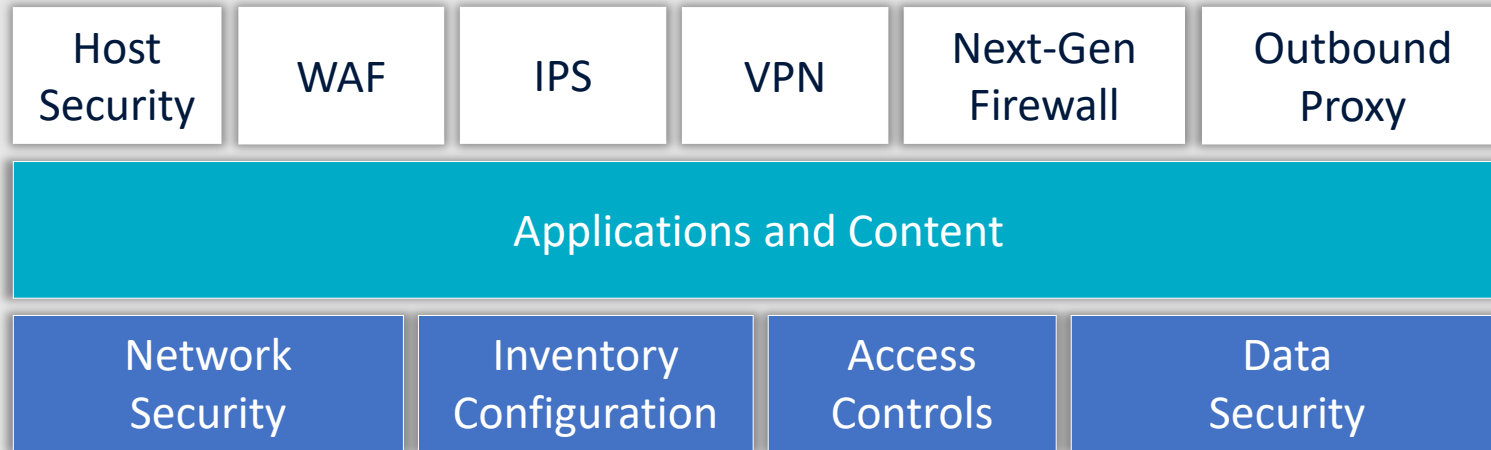
Email Spam Protection

- Be sure to choose a service designed to reduce spam and your exposure to attacks.

Cloud Security is a Shared Responsibility

Public Cloud providers operate what's called a Shared Security model

Security
IN the
Cloud



**Your
Responsibility**

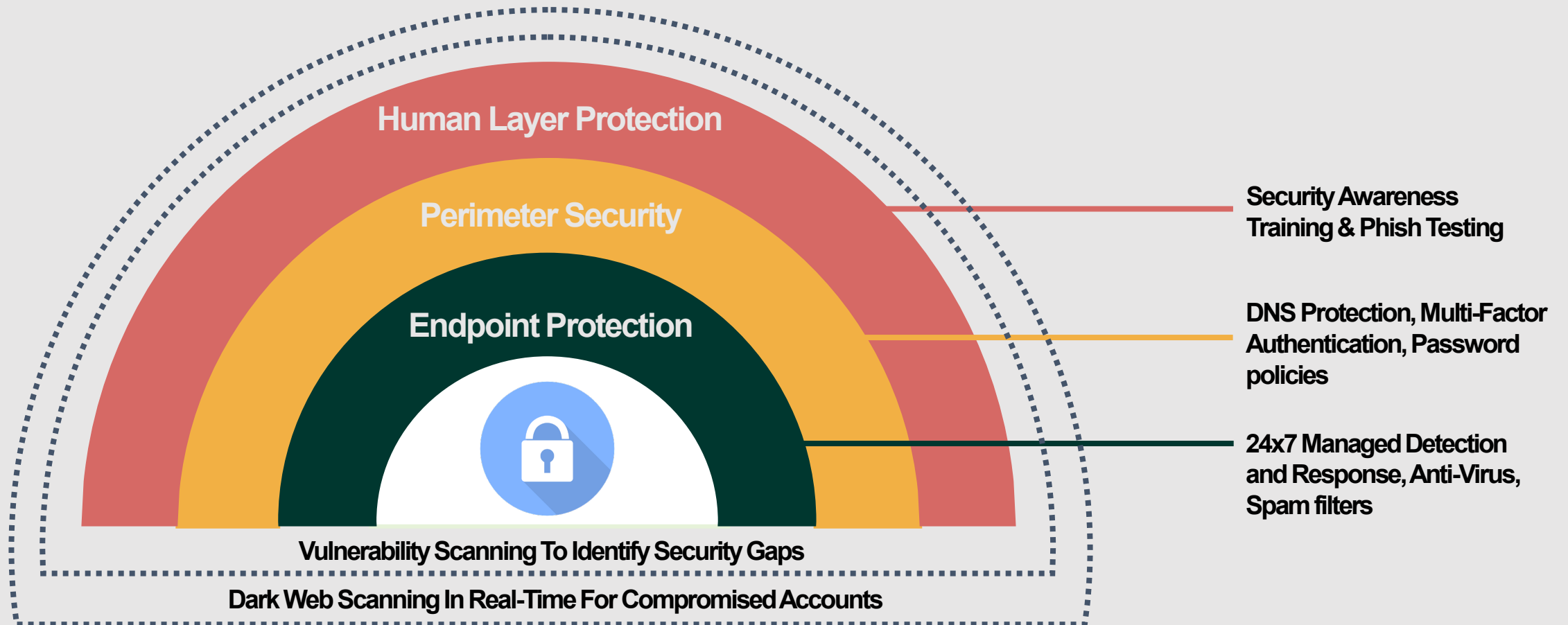
Security
OF the
Cloud



**Public Cloud
Responsibility**
AWS, Azure, Google

Layered Defense Approach

Not a tool, but a Layered Defense strategy with 24x7 monitoring



What to consider from here?

Don't look at this as a takeaway but a must do.

- ✓ Cybersecurity requires multiple resources, within and outside of the organization, to effectively manage cyber risk.
- ✓ Risk assessment.
- ✓ Policies and procedures focused on cybersecurity.
- ✓ Training of all workforce on P&P, then security.
- ✓ Phish test all workforce (esp. leadership).
- ✓ Multi-factor authentication.
- ✓ Endpoint security utilizing Managed Detection & Response.
- ✓ Backups segmented offline, cloud, redundant.
 - ✓ Test Disaster Recovery
- ✓ Incident response plan.
- ✓ Secure the network and remote users.
- ✓ Adequate logging and retention.
- ✓ Third-party security risk management
- ✓ A firewall is NOT enough, intrusion detection and prevention systems are a must!
- ✓ Adequate cyber risk insurance.



Questions?

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Audience Q&A Session

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