Top 5 Cybersecurity Concerns for City Managers

Fulcrum Virtual Lunch & Learn Recap

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Presented by
Fulcrum Group
June 22nd, 2022

Event Basics

- Target Audience – Local Government Agencies in Texas
  - City Managers
  - IT Managers
  - Attendance: 33
- Presentation by Fulcrum – Top 5 Cybersecurity Concerns for City Managers
- Cybersecurity Panel Discussion modederated by Steve Meek
- Watch on our Youtube Channel
  - https://youtu.be/hwioMtWbdPI

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Who is Fulcrum Group?

- Started in 2002, Steve Meek & David Johnson - owners
- SPOT Managed IT Services – started in 2008

SPOT Managed IT Services

Primary Offerings

- IT Outsourcing Managed Services
- Cloud Solutions
- VOIP Communications
- IT Infrastructure Projects
- Managed Cybersecurity Services

DIR Texas Department of Information Resources

Channel Futures. SMB HOT 101 AN MSP 501 LIST

Fort Worth Chamber of Commerce Small Business of the Year 2017

SANGOMA 2020 Pinnacle Partner Award

The Channel Co. CRN MSP 500 2021

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What's at Risk?

- Data & Applications
  - Public Safety, Courts, Utilities
- Reputation & Public Confidence
- Critical Infrastructure - Utilities
- Downtime
- Loss of Revenue
- Cost of Recovery

NATIONAL SECURITY

What We Know About The Ransomware Attack On A Critical U.S. Pipeline

May 10, 2021 · 9:30 AM ET

SCOTT NEUMAN

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Top 5 (7) Cybersecurity Concerns

- 4 Key Paths Leading to Your Data
  - Credentials, Phishing, Exploit Vulnerabilities, Botnets
- Ransomware – 13% increase, now 25% of all breaches
- Human Element – 82% of breaches involve your people
- Missing Cybersecurity Basics – lack of leadership, internal IT not experts, missing policies & MFA
- Lack of Protection for Microsoft 365
- Failing to Meeting Compliance (CJIS & other)
- Not Protecting all of your Data with Backups

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Cybersecurity Best Practices – Left of Boom

- Left of Boom – military term “prevent the attack”
- Start with a Baseline Risk Assessment
- Build IT & Cybersecurity Policies based on a Framework, don’t forget Incident Response Plan
- Cybersecurity Basics
  - Basic Cybersecurity Assessment, identify gaps
  - Windows Patching w/reporting
  - Centrally Managed Endpoint Protection
  - End User Security Awareness Training w/reporting
  - Next Gen Firewalls w/reporting
  - Disk Encryption for mobile devices w/reporting
  - Asset Tracking w/reporting
  - Multi-Factor Authentication for Windows, Email, & Cloud

Pro Tip – When it comes to cybersecurity basics, don’t forget central management and reporting.

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Cybersecurity Best Practices – Left of Boom

- Advanced Cybersecurity
  - Managed Detection & Response/SOC as a Service
  - Vulnerability Management
  - MFA Tokens
  - Regular Penetration/Vulnerability Assessments
  - Microsoft 365 E3 subscriptions
  - Microsoft 365 Cybersecurity Monitoring
  - Microsoft 365 Cloud Backups
  - Ransomware Protection

Pro Tip – EDR solutions are commonly required by cyber insurance carriers in lieu of traditional antivirus.

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Cybersecurity Best Practices – Right of Boom

- Boom – controls to detect and stop attacks in progress
  - Firewalls, intrusion prevention, antivirus
- Right of Boom – After the cyber incident
  - Don't panic, Invoke your Incident Response Plan
  - Isolate infected systems
  - Hire Cybersecurity Response Experts to eradicate any malware/ransomware, and harden systems
  - Recover your data and systems
  - Notify employees, vendors, residents – media response plan
  - Review your response – update your Incident Response Plan

Pro Tip – Make sure you understand what incident response services you receive from TML or your cyber insurance carrier BEFORE there is a cybersecurity incident.

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Public Safety CJIS Best Practices

- Implement CJIS Security Policy Standards
- 3rd Party Remote Access – audit log, MFA
- Access Control – Least Privileged Access
- Password & Screen Lock Policies
- Network Segmentation
- Implement MFA w/Physical Tokens
- All Staff Complete CJIS Security Awareness Training
- 3rd Party Contractors – Background/Fingerprint Checks
- FIPS Compliant Firewall
- Whole Disk Encryption on Laptops/Mobile Devices
- Incident Response Plan

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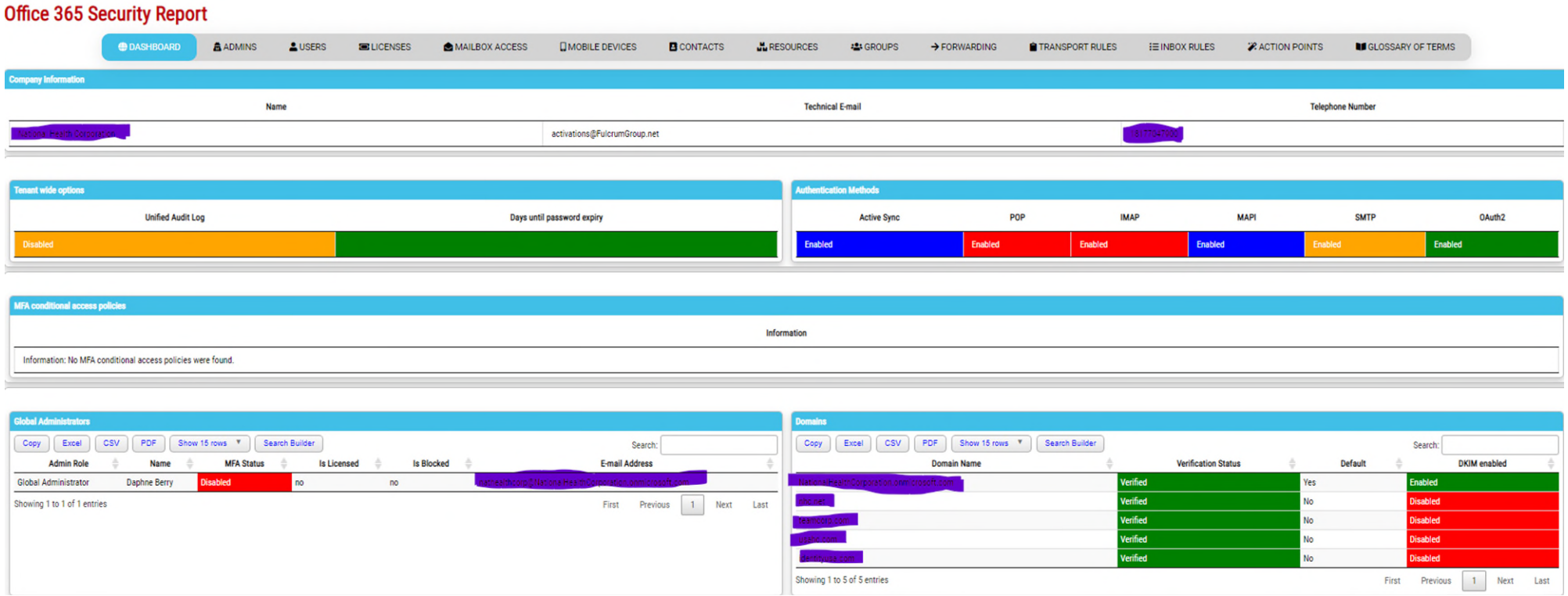
Fulcrum Special Offer – Microsoft 365 Cybersecurity Report

- Provides a baseline of your current Microsoft Office 365 Tenant Settings
- Gives you data that you can use to IMMEDIATELY improve you Microsoft 365 cybersecurity
- Limited Office - $649 (valued at $2500)



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Agenda

Any questions?

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