

# Protect Your Network

## Information Technology & Cybersecurity Consulting

SmartFile reports **63%** of data breaches come from internal sources. Combine this knowledge with what we know about cyber attacks, and it is easy to come to the conclusion that financial institutions need a robust security framework to prevent attacks from doing significant harm to their business and customers.

Osterman Research, Inc. reports in its Second Annual State of Ransomware Report: U.S. Survey Results **20%** of businesses surveyed had to immediately cease operations after a ransomware attack and **40%** of company networks were down 17 to 100 hours.

In addition to breaches, spyware also is creating problems for companies. Cisco Security Research found **25%** of surveyed organizations had ongoing spyware infections. While spyware is many times considered mostly harmless, today's spyware is stealing company data and system configuration details, weakening network security, and increasing the likelihood of malware infections.

Our financial institutions team can help. We provide:

- Internal & External Network Assessments
- Penetration Testing
- IT Reviews

### INTERNAL & EXTERNAL NETWORK ASSESSMENTS

As a part of our information technology (IT) services, we review the local-area-network environment, Internet infrastructure, and security architecture of various independent networks connected to the financial institution's internal networks. We thoroughly review the security controls on network devices and determine any vulnerabilities that may exist due to configuration or patch management problems.

Our procedures also test the financial institution's security program and controls as required by Gramm-Leach-Bliley Act Interagency Guidelines Establishing Information Security Standards (Appendix B to Part 570).

### YOU SHOULD KNOW



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**KPM**  
CPAS & ADVISORS

**Against Internal & External**  
Cyber Attacks & Spyware Infections

## PENETRATION TESTING



Our procedures analyze the financial institution's external (Internet) presence to help determine overall exposure to threats or vulnerabilities. We use hacker tools and techniques that potential attackers rely on to gain access to internal network resources. Our reports will detail any internal systems that are visible to outsiders and will disclose the potential for attack.

## IT REVIEW

Our IT reviews and network assessments evaluate management's supervision and controls of both internal and external systems and applications used. The procedures include an evaluation of the IT environment to inform management of the effectiveness of controls, assist management in developing and enhancing policies and procedures, and assist in preparing the institution for review by regulatory organizations.

We also review and test policies and controls in place to determine their

effectiveness in protecting sensitive and confidential data and in complying with security industry and regulatory guidelines.

As baseline tools for this review, we use IT work programs published by the federal regulatory agencies along with other procedures that address recent regulatory and security industry guidance on IT threats. In particular, we rely on the Federal Financial Institutions Examination Council's IT handbooks and guidance issued by the federal regulators.

## ► SUPPORTING FINANCIAL INSTITUTIONS



Is your IT infrastructure meeting your team's needs or making their jobs harder? Is your customer service suffering due to an overloaded network or outdated software? IT can be one of your strongest assets or your biggest weaknesses. We can help you determine where you're falling short and recommend cost-effective upgrades and safeguards. Ignoring IT problems or delaying fixes never ends well. Cut your losses by bringing in our team to assess your network and address cybersecurity threats.

417-882-4300 | [info@kpmcpa.com](mailto:info@kpmcpa.com)

[www.kpmcpa.com](http://www.kpmcpa.com) | [#KPMCPAs](https://twitter.com/KPMCPAs)

1445 E. Republic Road | Springfield, MO 65804



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