Financial Services: Security Challenges and Solutions

Aside from the near-constant external threat of money-hungry cyber criminals, the financial services industry traditionally faces several internal challenges:

- **Complex and distributed IT infrastructure with legacy and difficult-to-patch systems**
- **Reliance on third-party vendors whose security programs may not be operating at the same level**
- **Numerous and constantly evolving compliance and privacy requirements that don't always translate to improved security**
- **A larger than average attack surface and elevated exposure to dangerous technical protocols [Rapid7 Industry Cyber Exposure Report 2018]**

As a professional in the industry, you're likely aware of these challenges already, and you're focused on solutions. We'd like to help.

Manage risk and reduce exposure

Reduce your exposure to threats and the likelihood of a customer-impacting breach by identifying risks and establishing governance across your on-premises technology, SaaS solutions, IaaS platforms, and productivity suites like Office 365.

Solution: Rapid7 Vulnerability Risk Management

Rapid7's Vulnerability Risk Management tools, such as InsightVM, and Security Consulting services, like Penetration Testing, can help you:

- **Identify threats as they emerge, including vulnerabilities, controls gaps, and configuration issues.**
- **Prioritize risks based on business criticality, the threat landscape, and real-world attack exposure.**
- **Dynamically assess web applications and APIs for vulnerabilities and continuously monitor for changes.**
- **Conduct penetration testing to uncover weaknesses and verify security controls effectiveness.**
- **Perform blended red and blue (purple) team assessments to see if your security controls are working as designed.**

"We now push everything to the InsightVM agent and get a continual baseline of where vulnerabilities stand, meaning we don't even have to wait for a scan to finish before we can start patching—we can do it straight away and then instantly see our risk score go down. This is incredibly motivating to our team."

--Neil Johnson, Evercore

Increase confidence in your security program

You need a flexible and comprehensive security program–one that aligns with your business goals, meets industry standards and regulations, and helps you manage the risks specific to your organization.

Solution: Rapid7 Security Consulting

Rapid7 Security Consulting offers support and guidance to help you advance your security program with cutting-edge methodologies and risk prioritization.

Our team of experts can:

- **Perform a gap analysis of your program against a security maturity model, regulatory framework, or industry best practices.**
- **Develop strategic and tactical roadmaps for your organization, including a prioritized set of security initiatives.**
- **Create executive scorecards for your organization to measure security improvement and drive risk reduction over time.**

Keep financial data safe

It's not always enough to prevent attacks. When they happen, you need to detect and contain them before critical assets are breached.

Solution: Rapid7 Incident Detection and Response

Whether your team wants to do it with InsightIDR or you want our Managed Detection and Response Services team to do it for you, with Rapid7 you can:

- **Detect attacks earlier in the attack chain, including top attack vectors like compromised credentials, malware, and ransomware.**
- **Investigate and respond to incidents quickly to stop attackers before significant damage is done.**
- **Integrate with existing network and security solutions for endpoint to cloud visibility, log search, and compliance use cases.**

"One of the biggest values is that immediately I could see the alerts coming into Rapid7, and I was able to action them a lot quicker than the organization used to. The power of automation is that, as soon as an event happens, you have something like InsightIDR to provide that immediate action rather than waiting four days for it to happen."

--Nigel Hedges, CPA Australia

Simplify compliance efforts

Financial services is a highly regulated industry with rigorous and ever-evolving compliance requirements for customer information and system security. You need to simplify required cybersecurity practices while aligning your security program with your organization's business goals.

Solution: Rapid7 Compliance Solutions

Rapid7 has a suite of compliance solutions that can help you:

- **Show compliance with security regulations for financial institutions, like GLBA, FFIEC, SOX, NYDFS Cybersecurity Regulation, state data security laws, GDPR, and more.**
- **Show compliance with standards such as PCI DSS, NIST 800-53, CIS Top 20, ISO 27001, and more.**
- **Develop a comprehensive security program to protect the security, confidentiality, and integrity of sensitive information and systems.**
- **Assess internal and external cybersecurity risks and threats, and identify gaps in security policies and controls against compliance standards.**
- **Maintain safeguards to control risks, including protecting personal information, monitoring user access, and overseeing third party service providers.**
- **Monitor and test security controls, such as quarterly vulnerability scans as an Approved Scanning Vendor (ASV) for PCI DSS compliance, as well as internal and external penetration tests with detailed remediation advice and reporting.**
- **Deliver custom user security training to increase awareness of security risks and responsibilities at your organization.**