

Vulnerability Assessment and Penetration Testing



Scrutinize how well you're protecting key assets – and where strategic action is needed

Vulnerability Assessment

Proactively Evaluate Your Defenses and Decrease Data Breach Risk

Proactively identify vulnerable systems and devices that may be exploited by an attacker or malicious software, often resulting in data loss or breach. Kroll experts will provide a comprehensive evaluation of your defensive security posture using industry standard assessment tools and manual attack techniques meant to uncover weaknesses that are often missed with automated scanning alone. Since our tests are performed by professional ethical hackers with extensive incident responder experience, you gain valuable insight from an attacker's perspective.

In addition to reporting of the identified vulnerabilities, Kroll provides remediation guidance and risk scoring to ensure your teams have the information necessary to prioritize remediation efforts.

Related Services

- Network Vulnerability Assessment–External and Internal
- Application Vulnerability Assessment
- Web Application Vulnerability Assessment
- IoT Device Vulnerability Testing
- Dark Web Vulnerability Scanning
- Source Code Review and Analysis
- Cyber Due Diligence Assessments

CASE STUDY

VULNERABILITY ASSESSMENT — PRIVATE EQUITY FIRM

Kroll completed a vulnerability assessment for a multi-strategy private equity investment firm. Our results indicated that our client needed stronger defensive measures. It was unable to adequately protect itself against some common malware attacks. Kroll recommended a layered defense strategy, along with additional logging that could provide significant evidence if there was a breach. Kroll presented 16 specific vulnerabilities that were considered “high severity” as defined by potential business impact.

ROBUST, FLEXIBLE ASSESSMENTS

- Proactively evaluate the effectiveness of controls, processes, technology, staff and vendors
- Conduct simulated technical and social engineering-based attacks to assess external attacker and insider threats
- Prioritize security investments with deep visibility into critical risks



Penetration Testing

Validate Confidence in Your Cyber Defenses and Learn Where to Focus Resources

Independent penetration testing provides the ultimate gauge of cyber defense effectiveness. Kroll's CREST-certified experts have unique insights into the cyber risk landscape, including the tactics, techniques and procedures (TTPs) typically deployed to gain access to digital assets.

Using real-world hacker techniques, we simulate attacks on your organization to identify gaps in your security. Common targets include the internet perimeter, internal and external network infrastructure, websites, databases, applications, and even your employees.

Our five-phase approach incorporates two powerful sources of insight: the front-line experience of our global team of preeminent cyber investigators and the real-time threats gleaned from sophisticated technology resources, including our patent-protected dark web tools. For organizations whose cyber maturity is advanced, we can also provide purple team exercises (onetime or periodic) that focus on specific objectives and scenarios.

At the conclusion of our penetration testing, we provide substantive evidence of our findings and can recommend countermeasures to reduce your risk.

Related Services

- Network Penetration Testing – External and Internal
- Application Penetration Testing – External and Internal
- Web Application Penetration Testing
- IoT Device Penetration Testing
- Dark Web Risk Exposure
- Social Engineering Exercises
- Red/Blue Team Exercises
- Cyber Due Diligence Assessments

Kroll's Five-Phase Penetration Testing Approach

- 1 Project Initiation.** Our experts work with your team to develop goals and objectives with a focus on high-value assets.
- 2 Information and Intelligence Gathering.** Using reconnaissance techniques, we collect and examine publicly available information about your company and employees to identify potential attack vectors. Our extensive review includes examining public websites, social media, domain registries and dark web data.
- 3 Threat Modeling Exercise.** Kroll experts analyze the reconnaissance information, identify potential attack vectors and develop a plan of attack for testing.
- 4 Attack Execution.** We attempt to access your organization's environment using methods employed by real-life adversaries. The attack will target your IT infrastructure, websites, applications and employees.
- 5 Reporting And Advisory.** Our final report summarizes our actions during testing, details any weaknesses we identified and includes remediation guidance to reduce the risk of compromise by a real-life adversary.

CASE STUDY

BASELINE ASSESSMENT INCLUDING PEN TESTING – MULTIDIVISIONAL PROFESSIONAL SERVICES COMPANY

An international, multidivisional professional services company was looking for a baseline assessment to prepare for ISO27001 certification. Kroll conducted an assessment that included external and internal vulnerability assessments and penetration testing. Kroll was able to present the client with a detailed report that described its level of maturity as assessed against the ISO27001 control objectives, and included recommendations for improvement.



GLOBAL CYBER EXPERTISE

Many of our cyber professionals bring years of unique experience from their former service with large enterprises as well as law enforcement and regulatory agencies:

- Federal Bureau of Investigation (FBI)
- Interpol
- U.S. Department of Justice (DOJ)
- Securities & Exchange Commission (SEC)
- U.K. Intelligence and Policing
- U.S. Department of Homeland Security (DHS)
- U.S. Secret Service (USSS)
- U.S. Attorney's Office



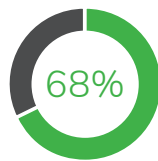
DID YOU KNOW...

Kroll works on ...

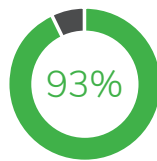
3200+

Cyber events per year for clients ranging from Fortune 100 to medium-sized businesses.

Kroll works with over...



of the
Fortune 100



of the
AM Law 100

Kroll has a dedicated insurance team for insurance and legal channels, with extensive relationships with 60+ cyber insurance carriers and exclusive benefits to insureds.

INDUSTRY RECOGNITION



CREST has accredited Kroll as a global Penetration Testing provider



Kroll is certified as a Global PCI Forensic Investigator (PFI) company



Kroll recognized as a Representative Vendor for Digital Forensics and Incident Response (DFIR) and Managed Detection and Response (MDR)



Kroll named a Global Leader in Incident Response Readiness

TALK TO AN EXPERT TODAY

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About Kroll

As the leading independent provider of risk and financial advisory solutions, Kroll leverages our unique insights, data and technology to help clients stay ahead of complex demands. Kroll's global team continues the firm's nearly 100-year history of trusted expertise spanning risk, governance, transactions and valuation. Our advanced solutions and intelligence provide clients the foresight they need to create an enduring competitive advantage. At Kroll, our values define who we are and how we partner with clients and communities. Learn more at kroll.com.

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