

THREAT AND ATTACK SIMULATION SERVICES

Think Like an Attacker. Prove Security Works.

Security tools and compliance reports alone can't answer the question that matters most: would the organization's defenses stop a real attack?

Effective security testing brings together deep knowledge of the organization's systems and the evolving threat landscape to reveal exploitable weaknesses. GuidePoint Security simulates real-world attack scenarios to uncover risks, improve defenses, and protect against sophisticated attacks. With tactical assessments, strategic threat emulation, and continuous security validation, GuidePoint delivers cybersecurity testing that keeps pace with business growth and ever-changing cyber threats.

From Partial Picture to Complete Confidence

Compliance scores and vulnerability counts provide valuable insights, but they only paint a partial picture of security effectiveness. They don't show how far an attacker would get, whether security tools would detect an attack, or whether the team could respond in time. That uncertainty is an unquantified risk organizations cannot afford to take.

GuidePoint Security's Threat and Attack Simulation (TAS) practice helps organizations answer those questions directly, collaboratively, and with the rigor of certified offensive security professionals. Our experts think and operate like the adversaries that organizations face every day so they can replace uncertainty with evidence and take decisive action to strengthen security at every level.



Stronger Together. Protecting What's Next.

Working with GuidePoint, your organization will be backed by our elite team of highly trained cybersecurity engineers, architects and consultants who come from organizations of all sizes, including Fortune 100 companies, the Department of War and U.S. intelligence agencies.



Comprehensive Security Testing, Conducted by Experts

GuidePoint's Threat and Attack Simulation services help organizations assess their environment, emulate threats, and automate security validation for continuous improvement. With tactical, strategic, and continuous security validation services, our customers start where they are and build toward a mature, effective security program.

Tactical Services

Starting with foundational assessments, GuidePoint establishes visibility and answers immediate risk questions.

- **Vulnerability Assessments** identify missing patches, EOL systems, and misconfigurations across infrastructure.
- **Active Directory Security Reviews** expose credential weaknesses and authentication gaps threat actors exploit with precision.
- **External and Internal Penetration Testing** reveal realistic attack paths from the perimeter and from within.
- **Cloud Penetration Testing** uncovers misconfigurations, overly permissive access, and data exposure risks across AWS, Azure, and GCP.
- **Wireless Security Assessments** validate segmentation and encryption controls.
- **OT/ICS and IoT/Hardware Testing** addresses the unique risks of operational and connected environments.

Strategic Services

With a strategic engagement, organizations can test the full depth of the security program.

- **Red Team Assessments** simulate sophisticated, multi-vector threat actors across all attack surfaces — network, cloud, physical, and human — to evaluate whether the organization can prevent, detect, and respond.
- **Purple Team Assessments** combine offensive and defensive expertise in live-fire, collaborative scenarios that close detection gaps and build SOC capabilities in real time.
- **Remote and Onsite Social Engineering** tests whether users and physical controls would withstand a targeted, realistic attack.
- **Phishing Simulations** prepare the workforce to recognize and avoid realistic, AI-powered phishing, vishing, smishing, and QR-code phishing attacks.
- **Internal Red Team Enablement and Strategic Advisory Services** build long-term internal capabilities.

Continuous Security Validation

Continuous Security Validation from GuidePoint Security revolutionizes how organizations approach security testing. Organizations gain real-time visibility into security posture, validate controls against emerging threats, and continuous insights that pair automated findings with expert analysis. Continuous security validation scales with business growth, ensures cyber readiness, and eliminates surprises when facing audits or actual attacks.

Why GuidePoint Security

When cyber threats target your organization, you want to know your defenses are ready. GuidePoint Security designs, executes, and delivers tailored threat and attack simulations that puts tools, people, and processes to the test. We work across any environment — network, cloud, physical, and human layers — with the expertise to demonstrate actual risk and prioritize remediations based on impact. Accelerate your security program with confidence and protect what matters most.

About Us

GuidePoint Security brings together proven expertise, great relationships, and leading technologies to solve our client's most complex cybersecurity challenges. As a trusted cybersecurity advisor and partner, GuidePoint keeps people, data, and operations safe. We deliver tailored cybersecurity services that adapt to safeguard the nation's leading organizations today and provide complete confidence in their cybersecurity tomorrow. Stronger Together. Protecting What's Next.

