



## Threat Advisory Services

# OFFENSIVE SECURITY SOLUTIONS FOR A PROACTIVE CYBER DEFENSE

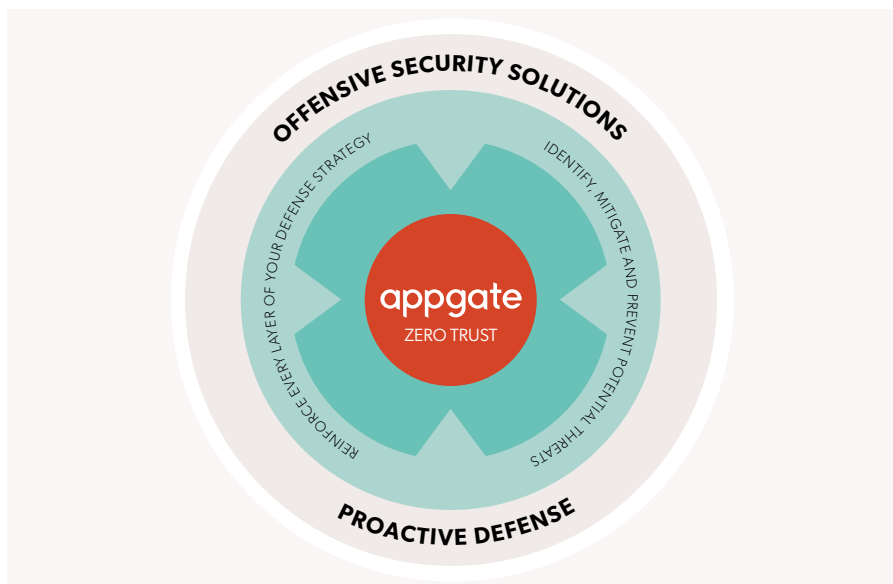
### Cybersecurity Services to Keep Business Moving

As cyberattacks grow increasingly complex and sophisticated, preventing breaches from impacting business is more critical than ever. The potential consequences, including millions in lost revenue, reputational damage and non-compliance penalties, can overwhelm companies and their security teams, forcing them into a reactive mode. With so much at stake, businesses need to proactively address these threats to prevent attacks. Appgate's Threat Advisory Services help organizations like yours shift to a proactive security posture rooted in Zero Trust, enabling threat detection and prevention, and ensuring long-term operational resilience.

Our comprehensive services safeguard your organization by identifying vulnerabilities and validating the effectiveness of your security controls and processes. Appgate's team of experts also analyze malware and provide actionable indicators of compromise (IOCs). We stay abreast of emerging technology threats and leverage advanced methodologies to discover and analyze security issues in your systems and tools. This critical step helps you reduce breach exposure, protect critical assets, and ensure compliance with regulatory standards.

Through penetration testing and malware analysis, we identify issues early and provide targeted mitigation recommendations to protect you from potential compromise.

ADVANCED PENETRATION TESTING	MALWARE ANALYSIS
Appgate's Advanced Penetration Testing Service leverages custom-built exploits and manual techniques to simulate real-world adversaries. This approach uncovers vulnerabilities that automated solutions miss. We focus on in-depth assessments and simulate sophisticated adversarial tactics like privilege escalation, lateral movement and data exfiltration to identify weaknesses in your systems. Each test is tailored to your environment, with a 20% reliance on tools and 80% reliance on manually crafted attacks. Our findings provide a comprehensive risk analysis, demonstrate the real impact of vulnerabilities, and offer actionable remediation steps to help you strengthen your defenses against current and emerging threats.	Our innovative Malware Analysis Service extends your security operations by uncovering advanced malicious code exploits and providing expert mitigation guidance before attacks cause damage. We offer both automated and manual techniques, mapping results to the MITRE ATT&CK framework. Whether you need quick insights into malware discovered in your environment, a detailed analysis of your discoveries, or an in-depth analysis of novel malware, our approach provides a clear understanding of attacker tactics, techniques, and procedures (TTPs). With this knowledge, you can enhance your malware detection, prevention and threat-hunting capabilities.



### THE APPGATE DIFFERENCE

- Leadership by industry experts:** Appgate's Threat Advisory Services team is led by Arlette Hart, former CISO of the FBI, who brings unparalleled leadership and deep understanding of national-level cyber threats.
- Deep experience:** Our advisory team of top-tier security malware and offensive security researchers, with over one hundred years of combined experience, has helped numerous organizations prevent major breaches and secure critical infrastructure, keeping you ahead of active threats.
- Custom solutions for complex challenges** We go beyond standard testing by developing custom exploits and attack scenarios tailored to your specific environment, ensuring we uncover even the most deeply hidden vulnerabilities.
- Expert cybersecurity practitioners:** Our team combines research, consulting and hands-on development of advanced penetration testing and adversarial simulation tools. This real-world experience enhances our ability to identify and mitigate complex security vulnerabilities.
- Actionable data:** We deliver confidential malware analysis reports and penetration test reports with actionable IOCs and remediation recommendations to strengthen your security posture.
- Malware analysis:** Appgate delivers unparalleled malware analysis and insights, meticulously dissecting each sample. These insights are integrated into our rapid analysis process, enabling faster and more effective reporting.
- Proven real-world expertise:** With thousands of tests performed, Appgate's Threat Advisory Services focus on adversary simulation and manual testing to deliver results that accurately reflect the tactics, techniques, and procedures (TTPs) used by today's most advanced cybercriminals and nation-state actors.





## Expert Consulting Services

Appgate's security testing services provide in-depth assessments of your applications, platforms and development processes to uncover vulnerabilities and enhance overall security. These services identify potential attack vectors and ensure your security measures effectively prevent potential breaches. Our consulting services include:

- **Application Security Testing:** We simulate real-world attacks that compromise your applications, uncovering weaknesses and misconfigurations that could be exploited by malicious actors.
- **As a Service (XaaS) Testing:** Our analysts conduct thorough security evaluations to "break into" your desktop, platform, infrastructure, or other "as a service" environments, identifying potential risks within deployments.
- **Novel Malware Analysis:** With our deep analysis capability, seasoned malware analysts decompose and sift through new and existing malware samples to provide you with confidential, actionable IOCs to protect your organization.
- **Phishing and Social Engineering Campaigns:** Our customized phishing exercises test and train employees to recognize "click the link" scams and avoid divulging data, while identifying gaps in security awareness and response procedures.
- **Source Code Review:** Our team conducts detailed source code reviews to identify both common and uncommon vulnerabilities, helping to harden your codebase and eliminate attack vectors.
- **Technical Compliance Validation:** We take a holistic approach to your compliance frameworks, testing your tools and processes to validate that the qualitative controls are accomplishing your objectives.

## Driving Continual Security Improvement

Appgate empowers you to transform your reactive cybersecurity measures into a proactive cyber defense strategy that addresses threats head-on. Our experts understand the challenges and technology involved in modern cybersecurity. We offer comprehensive support, from initial assessments to implementation and ongoing guidance, accelerating your journey toward a stronger, more resilient cyber defense.

Our team seamlessly integrates operational security and compliance, providing complete visibility into both risks and mitigation strategies. Appgate's Threat Advisory Services deliver robust security at every stage of a system's lifecycle, from inception to end-of-life. By embracing a "Secure by Design" philosophy, we help you identify and address security gaps from the start. We collaborate with you to fortify your security, beginning with the development phase and continuing through implementation and ongoing product and system improvements.

Complementing Appgate's best-of-breed Universal ZTNA solution that limits the attack surface at the outset, our Malware Analysis Service finds and provides IOCs for any infiltrating malware, while our ongoing Penetration Testing Service proactively identifies mitigations for emerging risks and potential gaps. Together, these services deliver a holistic cybersecurity posture, ensuring your products and services consistently maintain security and effectively resolve vulnerabilities.

Discover the profound impact that a truly effective penetration test can have on your infrastructure and how a confidential malware analysis service can bolster your defenses. Our Threat Advisory Services provide the awareness necessary to eliminate exploitable vulnerabilities and mitigate malware attacks within your environment.

## The Defense—and Offense—you Need

Appgate's Threat Advisory Services provide a critical layer of defense that leverages offensive security strategies and malware analysis so you can identify and address vulnerabilities and potential attacks. Our expert team works closely with you to deliver real-world insights that improve your security posture. With Appgate, you gain a trusted partner committed to addressing both known and emerging threats, enabling your business to grow and scale securely.

## BENEFITS

- **Uncover hidden vulnerabilities:** Our advanced manual testing methods surpass automated tools, revealing critical security gaps overlooked by standard penetration testing.
- **Strengthen security posture:** Proactively address weaknesses with detailed risk identification and actionable remediation steps, ensuring your defenses, aligned with Zero Trust principles, are resilient against evolving threats.
- **Simulate real-world adversaries:** Experience how your organization might withstand sophisticated attack strategies, so you can shore up defenses before a real breach occurs.
- **Improve incident response:** Gain insights into malware behavior and attack tactics through in-depth analysis, enhancing your detection and response capabilities.
- **Support Zero Trust architecture:** Zero Trust is the leading approach to infrastructure security, and Appgate's Penetration Testing and Malware Analysis services consistently utilize this framework to identify ways to strengthen your security posture.
- **Complement Appgate ZTNA and 360 Fraud Protection:** Identify and mitigate potential vulnerabilities that align with Appgate's ZTNA security model and 360 Fraud Protection focus on safeguarding transactional environments.

## ABOUT APPGATE

Appgate secures and protects an organization's most valuable assets and applications. Appgate is the market leader in Zero Trust Network Access (ZTNA) and online fraud protection. Appgate products include Appgate SDP for Universal ZTNA and 360 Fraud Protection. Appgate services include threat advisory analysis and ZTNA implementation. Appgate safeguards enterprises and government agencies worldwide. Learn more at [appgate.com](https://appgate.com).