

## SOPHOS ADVISORY SERVICES

# Web Application Security Assessment

Identify exploitable vulnerabilities and unknown risks before adversaries strike

Protect your web applications — external and internal — by identifying weak spots and hidden risks to fortify your cyber defense, protect your sensitive data, and demonstrate compliance.

## Gain peace of mind that your web applications are secure

Web applications are critical business drivers that process, transmit, and store valuable data, helping your company meet its operational and reputational goals. Safeguarding web applications is essential for a robust security posture. Evaluating web application security with expert security testers who identify vulnerabilities is a proactive step in elevating your organization's resiliency.

## Sophos Web Application Security Assessment service

The Sophos Web Application Security service identifies vulnerabilities such as broken access controls, security misconfigurations, and issues related to application design. It ensures your web applications are secure by using our deep understanding of the global threat landscape and threat actors' tactics, techniques, and procedures to evaluate their susceptibility to attacks.

There are two primary areas of focus for Sophos Web Application Security Assessments:

- **External applications:** Your web applications represent your connection to the internet and your prospects, customers, partners, and suppliers. They are critical assets that drive customer awareness, revenue, and sales activity and are attractive targets to threat actors. Testing external applications simulates anonymous attackers, or adversaries who sign up for authenticated access or pay for a subscription.
- **Internal applications:** Adversaries also target applications accessible through your internal network, which drive your business processes and sensitive information, such as intellectual property, customer data, employee information, and sales data. Testing internal applications simulates a disgruntled employee or adversaries using stolen credentials acquired through a data breach or phishing attack.

Sophos treats each assessment as unique to the organization. Our goal-based methodology is conducted by the industry's top security testers, leveraging our proprietary tactics and intelligence from the Sophos X-Ops threat intelligence group, which includes the Counter Threat Unit (CTU), renowned for its expertise in advanced persistent threats (APT) and state-sponsored attackers.

## Benefits

- Gain assurance that your web applications are more secure.
- Receive actionable recommendations to enhance your security.
- Reduce your risk and improve operational efficiency.
- Maintain the confidence of your customers, employees, and business partners.
- Meet compliance demands (e.g., PCI-DSS).

## Test your web applications to minimize security risk

Sophos testers examine your web applications using a combination of automated and manual testing techniques to identify vulnerabilities before attackers can exploit them. Testers act as external adversaries and rogue users by attacking the application from anonymous and authenticated perspectives. This approach ensures attack coverage ranging from broad threat actor campaigns to intricate business logic attacks on protected resources.

At the conclusion of the engagement, Sophos provides detailed remediation guidance to help you address identified configuration issues, known and potential vulnerabilities, access control concerns, and other flaws that adversaries could exploit.

## What's included in your report



**Executive summary:** Intended for non-technical stakeholders — senior management, auditors, board of directors, and other important parties.



**Detailed findings:** Written for technical staff to provide in-depth findings and recommendations.



**Engagement methodology:** Defines the scope of the engagement and what assessment activities were performed.



**Recommendations:** Detailed findings, web page links for further reading, and remediation or risk reduction recommendations. Testers supply evidence of their findings where applicable and, if possible, sufficient information to replicate the findings using publicly available tools.

## Other cybersecurity testing services

No individual, stand-alone assessment or technique provides a comprehensive picture of an organization's security posture. Each adversarial test has its distinct objectives and acceptable levels of risk. Sophos can work with you to determine what combination of assessments and techniques you should use to evaluate your security posture and controls to identify your vulnerabilities.

## Service features

- Assess web applications to identify vulnerabilities.
- Improve security posture with expert guidance and recommendations.
- Employ testing, including but not limited to, OWASP top 10 most critical application security flaws.
- Support for virtually any web development framework, platform, or infrastructure.
- Thorough review of not just the application, but whether a hacker could gain access to the network or data behind it.

Learn more:  
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