Consulting Services

Security Consulting Services (SCS) helps you view your IT security from an attacker’s point of view, leveraging real-world techniques to identify exposures and assess their implications on your business. Our clients include some of the world’s largest and most influential organizations, seeking to better defend their critical assets.

COMPREHENSIVE PENETRATION TESTING
Core’s comprehensive penetration testing services mimic an attacker seeking to access sensitive assets by exploiting security weaknesses existing across multiple systems. This service identifies vulnerabilities and reveals how networks designed to support normal business operations can provide attackers with pathways to back-end systems and data.

During the engagement, Core SCS begins by assessing your network or application infrastructure’s “weakest links” and other possible venues of attack. Then, our consultants determine the ramifications of each compromise by attempting to escalate privileges on the entry points and pivoting to determine whether any other systems can be subsequently targeted and breached.

THE CORE DIFFERENCE
- Pinpoint real vulnerabilities that pose true risks to your business
- Conduct a wide range of tests that mirror techniques used by attackers
- Tailor each engagement to meet individual client needs
- Go significantly deeper than a vulnerability scan or other tool-based assessment
- Provide reproducible, step-by-step procedures for all testing activities

PENETRATION TESTING & SECURITY ASSESSMENT SERVICES
Penetration testing services evaluate your security posture by mimicking real attacks. These services are conducted by highly skilled experts who employ a variety of manual attack techniques, supported by homegrown and commercial tools, to identify exposures and analyze the consequences of a targeted attack in a safe and controlled manner.

Security assessment services offer a more comprehensive evaluation and are usually executed in cooperation with the system owner. These services are tailored to your specific needs and can include penetration testing, threat model analysis, security architecture review, source code analysis, and various other methodologies.

SERVICE OFFERINGS
The services listed below can be conducted individually or combined to reveal how chains of vulnerabilities present paths of exposure across your environment. All services include reports documenting test procedures, details on confirmed security weaknesses, and remediation recommendations.

- External or internal network tests to assess OS and services vulnerabilities
- Client-side testing to assess end-user susceptibility to social engineering threats
- Application penetration testing
- Wireless penetration testing
- Cross-vector testing to reveal attack paths across multiple infrastructure layers

Leading-Edge Technology Testing
Comprehensive Penetration Testing Services
Application Pen Testing and Security Assessment
Wireless Penetration Testing
Source Code Security Auditing
Web Services Security Assessment
APPLICATION PENETRATION TESTING & SECURITY ASSESSMENT
Our application penetration testing and security assessment services can be employed to test your custom web applications as well as standard applications like antivirus, embedded applications, games, and other system applications. During application testing engagements, our consultants pursue the following goals:

- Reveal security vulnerabilities resulting from implementation errors
- Expose weaknesses stemming from the application’s relationship to the rest of the IT infrastructure
- Assess application security versus attacks via multiple techniques
- Identify security design flaws
- Increase end-user confidence in the application’s overall security

WEB SERVICES SECURITY ASSESSMENT
Many companies today provide cloud-based or web services-based solutions. The web service security assessment provides a comprehensive evaluation of the security posture of an application or solution based on web services technologies (e.g., SOAP or REST). Given the complexity of web services-based solutions, this service is highly customized and incorporates manual testing performed by professionals with vast experience in web services assessments.

SOURCE CODE SECURITY AUDITING
During a source code security audit, our experts manually inspect the source code of your new or existing application for security weaknesses. This service includes:

- Review of authentication, authorization, session and communication mechanisms
- Identification of programming-related issues such as buffer overflows
- Identification of input and output related vulnerabilities
- Review of third-party libraries
- Security validation of cryptographic functions and routines

WIRELESS PENETRATION TESTING
Core SCS offers a wide range of wireless penetration testing services, from security tests of standard corporate Wi-Fi networks to assessments of specialized wireless solutions. For corporate Wi-Fi deployments, our consultants identify wireless exposures using techniques including information gathering, traffic sniffing, and authentication bypassing. Core SCS also offers custom research services and security evaluations for technologies including wireless IPS, wireless payment devices, and other solutions.

LEADING-EDGE TECHNOLOGY TESTING
Core SCS can help you understand the degree of exposure in your complex technology solutions. Leading-edge technology testing services are customized to address your needs. Past engagements have included testing:

- Encryption and anonymization mechanisms
- Virtualized environments
- Sandboxes
- Cloud-based DLP solutions
- Copyright protections
- VOIP solutions

THINK LIKE AN ATTACKER™
By modeling, simulating and testing what an actual attacker could do, Core Security’s Attack Intelligence Platform can help you focus on the most likely threats to your critical business assets.

CORE SOLUTIONS
Core Security helps more than 1,400 customers worldwide identify the most vulnerable areas of their IT environments—to improve remediation efforts and ultimately secure the business.

EXPERIENCE
Our patented, proven, award-winning enterprise products and solutions are backed by more than 15 years of applied expertise from Core Labs research and Core Security Consulting Services.