CORE4CE

Validating Cyber Defenses

To empower our customers to stay ahead of evolving threats, Core4ce performs comprehensive enterprise security assessments, simulating real-world cyberattacks to identify vulnerabilities across their environments.

We view enterprise IT through the lens of a potential attacker, identifying vulnerabilities before they can be exploited. Using advanced assessment methodologies, a proprietary toolkit, and our extensive expertise, we offer a more thorough and insightful evaluation than traditional network vulnerability scans, helping organizations stay ahead of evolving threats.

SERVICES

NETWORK VULNERABILITY ASSESSMENTS

Core4ce's Network Vulnerability Assessments help you maximize your investments in network security, reduce risk, and strengthen your organization's security posture. By leveraging both public domain and proprietary tools, we analyze your network infrastructure to uncover potential cascading vulnerabilities. Our technical teams specialize in vulnerability assessments, and internal and external penetration testing. Our detailed reports outline each vulnerability, successful exploits, and provide prioritized recommendations for effective remediation. Our manual verification process ensures accuracy and attack chain identification, while our reports deliver detailed technical analysis for administrators and high-level summaries for management.

Each report package includes:

- Detailed explanations of successful attacks and their business impacts
- A breakdown of all discovered vulnerabilities
- Prioritized recommendations for addressing all identified security issues
- Database of devices and their network service versions

APPLICATION SECURITY ASSESSMENTS

Core4ce's Application Security Assessments, refined over two decades, identify and recommend improvements for security weaknesses. Tailored to each client's environment, we provide a professional third-party application-level security assessment to evaluate the true vulnerabilities of COTS, GOTS, and custom software packages. Our assessment process ensures accuracy by fully validating all issues rather than simply relying on the output from automated scanning tools like many competitors. Our reports provide detailed analysis of all findings, actionable issues for administrative staff, and high-level summaries for management.

There are three main types of applications we evaluate:

- Traditional Web Applications
- Custom Client Applications
- Enterprise Applications

PURPLE TEAM VULNERABILITY ASSESSMENTS

In our collaborative purple team assessments, Core4ce leverages the MITRE ATT&CK framework and decades of adversarial testing experience to validate and improve defensive measures while enhancing the effectiveness of your security posture. The MITRE ATT&CK framework, a comprehensive knowledge base of adversary tactics and techniques, is used to map out attack techniques and correlate them with appropriate security controls. Throughout our engagements, we work closely with your Security Operations Center (SOC) and/or Incident Response (IR) teams, fostering collaboration to refine detection capabilities, improve response strategies, and identify gaps in alerting.

Our red team engagements utilize a multi-disciplinary team that leverages proprietary open-source intelligence capabilities to support an offensive security testing strategy. Our red team leverages this approach in evaluating the specific business model and footprint of operations of your organization through the lens of an external attacker. Once profiled, attack vectors are identified and strategies devised to implement sophisticated attacks including general and spear phishing campaigns, watering hole attacks, external Internet exposure, and social engineering. The types of attacks are identified during scoping discussion are tailored to the needs of your organization. Additional red team scenarios can revolve around assumed breach or insider threat, focusing less on the external perimeter of the organization.

EXPERTISE

Core4ce's team of ethical hackers brings decades of security expertise with experience in every industry sector, having conducted hundreds of assessments for both government and commercial clients in countries spanning the globe. The team has worked on everything from small but complex, multi-layered cloud-based environments to enterprise-wide assessments of global corporations with hundreds of thousands of active network nodes. With multiple U.S. government clearances, our team has extensive experience in classified environments at all security levels. Each member brings expertise in critical areas, from legacy operating systems to the latest in cloud computing. Additionally, we provide specialized assessments in wireless security, collaborative green team engagements, host-based analysis, operation technology and SCADA assessments, cloud security, social engineering, and product security audits.

ADVANCED CYBER SOLUTIONS AT CORE4CE

Core4ce is a data-minded company that serves as a trusted partner to the national security community. We harness the power of data to advance research and development initiatives, protect national interests, and gain competitive advantage.

With a combination of seasoned security experts, proprietary methodologies, and unique access to cyberthreat intel, Core4ce is well positioned to address the complex and constantly changing cybersecurity challenges faced by modern organizations. In addition to identifying cyber vulnerabilities, we work with customers to efficiently mitigate issues, enhance defensive postures, and fortify enterprises. The geographic and functional diversity of our combined clientele contributes greatly to our breadth of expertise and holistic understanding of security threats.

Ready to join forces?
Contact our team at: CyberSolutions@core4ce.com