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SECURITY CONSULTING SERVICES

Comprehensive Cyber Security Solutions from
Architecture Planning to Verification Testing

WHY VENCORE LABS

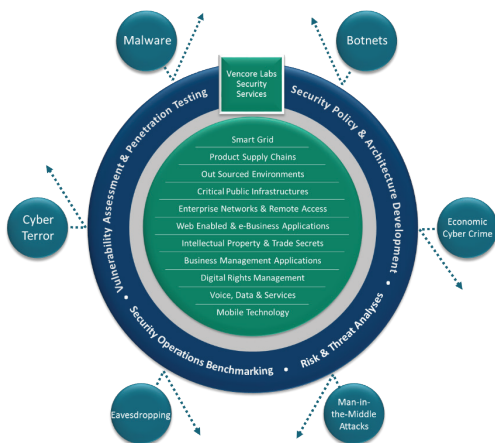
Security in the digital age means protecting your information assets and defending your network infrastructure and services against an ever-increasing number of sophisticated cyber attacks. Accessing and compromising sensitive data and service denial continue to be the primary objectives of cyber crime. To survive, you need a comprehensive and extensible strategy to secure your network infrastructure, services, and the sensitive information that resides in and travels across them. Your strategy must protect a wide range of information, services, and communications technologies, as well as support systems.

Vencore Labs' Security Consulting Services can fortify your network and organization from threats of all types, coming at you from all angles. Our deep cross-sector experience and the makeup of our team make us uniquely capable of assessing your network and services, identifying vendor-agnostic risk mitigation strategies, and implementing an effective plan.

SECURITY SERVICES TO SOLVE YOUR SECURITY RISKS:

Vencore Labs offers a comprehensive set of security services to help you develop and maintain an effective security program. We offer a complete suite of security services, including:

- ▼ Security policy and architecture development
- ▼ Vulnerability and risk assessment
- ▼ Network penetration and multimedia services testing
- ▼ Security operations benchmarking and optimization
- ▼ Supply chain integrity



SECURITY POLICY AND ARCHITECTURE DEVELOPMENT:

Our security policy and architecture development services help organizations architect and deploy practical, defense-in-depth security strategies. Beginning with a needs assessment, we help you establish the primary technical and operational security requirements for your organization. Based on these requirements, we formulate a cohesive set of security policies, tailored to your organizations' unique needs, using industry best practices.

We help you implement these policies with robust security architectures, product assessment and selection, operational procedures, training, and enforcement programs to effectively engrain a higher level of security into your day-to-day operations. Our objective position allows us to provide forthright opinions about product selection, program effectiveness, and cost/benefit tradeoffs.

VULNERABILITY AND RISK ASSESSMENT:

Our multidiscipline team of cleared experts has established a well-earned reputation for its comprehensive vulnerability and risk assessments. We evaluate physical, logical, and operational security by assessing everything from support facilities, buildings and operational procedures to platforms, protocols, applications, networks, security architecture design, business continuity plans and source code.

A key element of our vulnerability assessments, which is often missed by others, is the security aspect of reliability and network resiliency. Besides defending against attacks, security must also provide for the availability of critical services under a wide variety of adverse conditions, both cyber and physical. Our experts address redundancy, and logical and physical diversity of critical components and services. All our assessments include a structured rating of vulnerability risks and a mitigation plan.

NETWORK PENETRATION AND MULTIMEDIA SERVICES TESTING DEVELOPMENT:

Using our own proven methodology we combine the best aspects of automated testing with custom-designed attacks to offer network penetration and multimedia services testing. We perform many activities including packet capture analysis, source code analysis, and software reverse engineering to identify vulnerabilities and elicit potential avenues of attack. Linking individual weaknesses, we build more elaborate attacks, and for embedded systems, we perform highly specialized hardware and firmware security assessments.

Among the wide set of tools used to do this testing is our award-winner IP Assure software. IP Assure is non-intrusive software that evaluates your IP network configurations to determine if required security, availability and regulatory policies are implemented correctly. It's a network security and reliability tool that can transform the costly, labor-intensive job of network error detection and correction into a simple, automated process.

Our network penetration and multimedia services tests are performed discretely and held under strict confidentiality. Results are well documented, repeatable and a structured rating of vulnerability risk and a mitigation plan is an integral part of our report. Examples of our extensive experience assessing systems/technologies include:

- ▼ Smart Grid service components and networks
- ▼ Telematics systems and applications
- ▼ Embedded systems
- ▼ Wireless networks and mobile services
- ▼ IPTV service compnents
- ▼ Routers, firewalls, application gateways and proxies
- ▼ High-risk, web-based financial applications
- ▼ SQL and LDAP databases
- ▼ VoIP call agents and IMS call control functions

SECURITY OPERATIONS BENCHMARKING AND OPTIMIZATION:

With vast experience in service provider and enterprise network operations centers, we can evaluate your staff's effectiveness, as well as the operating procedures they use to detect, respond to, and contain malicious events and network failures.

Our Cyber Intrusion exercise is a unique Vencore Labs offering. In it, we orchestrate a realistic series of cyber events based on your network that are played out in an interactive table-top environment. The goal is to assess and improve the effectiveness of the network operations center staff by training them to:

- ▼ Correlate information from a variety of sources in order to diagnose malicious cyber problems
- ▼ Identify a multipart attack from independent, random events
- ▼ Effectively communicate inside and outside the organization
- ▼ Organize a response and perform in high-stress situations

SUPPLY CHAIN INTEGRITY:

As product supply chains become increasingly global and complex, the threats they pose to your network and services become more serious and often, harder to track — especially as they extend to off-shore developed and maintained system components and software, each with their own supply chain. We provide a holistic approach to supply chain integrity, with risk mitigation elements that include procedural, contractual, physical and technical approaches. We surpass the basic product and lifecycle testing done by most organizations to provide a comprehensive analysis of the vulnerabilities in your critical vendors' products and even in their supporting supply chains. We help reduce the risks and make sure you are implementing the appropriate controls on an end-to-end basis.

SMART GRID SECURITY:

The energy sector is going through dramatic changes in technology and services, from the Home Area Network to the utility companies' access, distribution and generation infrastructures. Smart Meters are now communicating via wireless networks to the utilities' power distribution networks and new energy-management applications are being provided to rate payers. All of these changes to existing Supervisory Control and Data Acquisition systems and the new systems and network architectures have risks that need to be managed. Vencore Labs, with its vast experience in critical infrastructure protection, has been pioneering new security assessment methodologies and techniques to evaluate the risks with new hardware/firmware platforms, communications protocols and interfaces, home and field service networks, management systems and applications. We also provide thought leadership in standards and industry forums to help in the creation of a security roadmap for suppliers and utilities.