Online Business Systems has been helping our clients build secure robust systems and applications since 1986. Our vulnerability assessment and application testing services help our clients determine what risks exist due to poor patch management, improper configuration management, or unsafe software development practices.

**Vulnerability Assessments**

Online Business Systems performs vulnerability assessments to provide an independent baseline and validation of your organization's security posture, including systems, networks, people, and processes. We can simulate real-world attacks to identify network and system vulnerabilities, evaluate risks, and develop remediation plans that align with your business. In addition, we perform root cause analyses to help develop holistic strategies to help minimize the probability of recurrences.

Your organization is subject to threats from the never-ending landscape changes associated with new and rapidly deployed technologies, personnel changes, and increased malware sophistication. While vulnerability scanning products and services are now the mainstays of enterprise security posture assessments, it is difficult to keep pace with the skill set of potential attackers. Online Business Systems’ Vulnerability Assessment services provide you with an in-depth technical review of your current security posture by providing a comprehensive analysis of vulnerabilities, potential vulnerabilities, exploit information, and most importantly, business risk. We work closely with your organization to create a prioritized remediation strategy that aligns with the business.

**CONTACT**

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While we customize our services for each client, the general Vulnerability Assessment services include:

- **External Vulnerability Assessment** – performed over the Internet against your Internet-facing environment.
- **Internal Vulnerability Assessment** – performed at client site (or sometimes via an authorized VPN connection) from the perspective of an inside attacker or an outside attacker who circumvented perimeter controls.
- **Physical Security Assessment** – performed to ensure that your physical preventative and detective controls meet standards of best practices.

**Application Testing**

While the Vulnerability Assessment services cover networks, systems, people, and processes, our Application Security services help organizations assess, manage, and reduce security risks arising from unsafe software development practices. Online Business Systems offers three Application Security services: ethical hacking, code review, and secure coding workshops.

- **Ethical Hacking** – We perform automated and manual testing designed to find application weaknesses to circumvent logic or controls in order to take control of the application, gain elevated privileges, or to obtain sensitive information or credentials. Our Application Security Assessments identify security vulnerabilities by reviewing and examining an application's security controls. This “black box” security testing employs various techniques to test an application's behavior. Tests are performed both from an authenticated perspective (the perspective of a trusted user) and unauthenticated (without valid user credentials). Our pen testing incorporates methodologies based on best practices from sources such as the Open Web Application Security Project (OWASP).
- **Code Review** – Many companies are well versed in testing their applications for functionality, but they do a poor job of testing applications or reviewing code for security weaknesses. Online Business Systems can examine code to identify potential weaknesses and vulnerabilities that could put the application and sensitive data at risk of disclosure or loss. Application code review typically starts with an application security architecture review. Online Business Systems analyzes the application's source code to search for design and programming flaws, and the use of unsafe functions. Because many successful breaches take advantage of sub-standard code, many diligent companies review code prior to being released to production.
- **Secure Coding Workshops** – Ideally, all of your code should be written securely from the start so that there are no findings in code reviews or penetration testing. This starts with ensuring that developers are well-educated when it comes to writing secure code. Our workshops can be tailored to your company’s needs to help developers raise the bar when it comes to writing secure code. We can deliver these workshops in person or virtually, depending on your needs.

**Why Online Business Systems?**

Many companies are good at performing the technical aspects of vulnerability assessments and application testing, but few are able to make the connection between technical risk and business risk. Oftentimes those organizations create deliverables where risk is solely based on technical risk because no one took the time to understand the client's business model, data, or assets. Online Business Systems’ Security Consulting practice focuses on creating the right blend of technical expertise and business acumen to help our clients understand risks as they pertain to the business. In addition to creating a prioritized risk matrix, we work closely with our clients to create a remediation strategy that aligns with the business. Our methodology includes a collaborative root cause analysis which helps determine why the vulnerability appeared, and to team with our clients to improve the underlying processes, methodologies, and to educate personnel to prevent recurrence in the future.

**ABOUT ONLINE BUSINESS SYSTEMS**

Founded in 1986, Online guides organizations across North America to strategize and realize innovative business and technology solutions. We are expert technologists seasoned by nearly 30 years of implementation experience. More importantly, we have learned the value of business partnerships and of mature management and implementation methods as critical factors for successful delivery.

Online’s primary focus is the design and implementation of complex, secure, and robust enterprise information systems that improve our clients’ business and customer experience performance. Our clients benefit from our services and solutions in the areas of Business and IT Consulting Services, Enterprise Application Infrastructure, Information Security, and Service Management.