



IBM Application Security Assessment

Highlights

- **Identifies application security issues before they can be exploited**
- **Helps safeguard the integrity and security of sensitive, business-critical data**
- **Enables secure extension of business applications**
- **Helps improve productivity by avoiding application downtime and increasing user confidence**

Identifying application vulnerabilities to prevent security breaches

Application security is a frequently overlooked component of a security plan. Developers are under pressure to bring custom applications of all kinds (such as Web applications, customer relationship management systems, accounting systems, etc.) online quickly. This often results in insufficient security testing and validation, leaving the applications vulnerable to exploitation by both internal and external attackers.

These applications are designed to be accessible by customers, partners and employees. They frequently house sensitive data that can be accessed across networks, via extranets or by anyone over the Internet. Protecting the confidentiality, integrity and availability of this data is crucial. Recent events demonstrate that there is a flourishing underground marketplace for stolen personal information such as credit card numbers, account numbers and Social Security numbers. Much of this information is harvested from

unsecured applications, as attackers are increasingly targeting such applications. Without proper security, applications are perhaps the most high-risk component of any network infrastructure. Due to the sensitivity of the information that applications may house, the security of applications can also impact compliance with government and industry regulations.

Safeguarding custom applications

IBM Application Security Assessment is designed to enable you to balance time-to-market demands with security best practices. The Application Security Assessment provides a targeted code review and a comprehensive vulnerability assessment of the application and the network infrastructure directly supporting the application to determine security weaknesses and misconfigurations. Applications are reviewed from both a technical and nontechnical perspective, revealing security weaknesses and providing detailed recommendations for the remediation of vulnerabilities discovered.

Benefits

- *Provides security-rich extension of business applications*
- *Identifies application security issues before they are exploited*
- *Increases real-world perspective into hacker techniques and motivations*
- *Identifies specific risks to the organization and provides detailed recommendations to mitigate them*
- *Supports user confidence in application security*
- *Helps prevent application downtime and improve productivity*
- *Supports efforts to achieve and maintain compliance with government and industry regulations*

Features

- *Assesses application vulnerabilities that may jeopardize the confidentiality, integrity and availability of critical or sensitive data*
- *Performs a functional review of the application from both a client and server perspective*

- *Determines security weaknesses and misconfigurations through comprehensive vulnerability assessment of the application and network infrastructure directly supporting the application*
- *Conducts technical testing by IBM Internet Security Systems (ISS) security experts who have strong backgrounds in software development with a focus on Web application development*
- *Provides a targeted, cost-effective code review to identify areas in the code that can be improved for greater security*
- *Provides a detailed report with recommendations for mitigating discovered risks*
- *Includes support from the IBM Internet Security Systems X-Force® security intelligence team, a world authority in vulnerability and threat research*

Enhancing protection through proven methodology

The IBM Application Security Assessment is based on a proven methodology that includes:

- **Information gathering** – investigation of application design and programming from the developer's perspective to determine format for testing
- **Technical testing** – assessment of the application to uncover security vulnerabilities and weaknesses
- **Targeted source code review** – targeted, cost-effective review of the application code that will provide solid recommendations for improving the code for greater security
- **Deliverables** – detailed report on the application's current security posture and detailed recommendations for remediation of vulnerabilities discovered.

Why IBM Internet Security Systems?

IBM Professional Security Services from IBM ISS offers among the best security consulting services in the industry. Our expertise, tools and methodology combine to deliver:

Security expertise—Our team of security experts comprises senior security professionals who have honed their skills through corporate security leadership, security consulting, investigative branches of the government, law enforcement and research and development.

Staff cost savings—We offer the experience and skills of our Professional Security Services team for less than the typical cost of hiring a single in-house security expert.

Trusted partnership—We work with your key staff and management to design a customized plan that meets your organization's security goals.

Specialized skills and tools—Our consultants combine proprietary and industry-leading security assessment tools with in-depth analysis of vulnerability data to evaluate and build an effective security program that enhances your business operations.

World-class security intelligence—IBM ISS consultants are supported by the X-Force team, our globally recognized research and development team. This combination helps enable us to provide you with the best security solution for your business.

For more information

To learn more about IBM Application Security Assessment, contact your IBM ISS representative to schedule a consultation. Call 1 800 776-2362, send an e-mail to consulting@iss.net or visit:

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