IBM

IBM Penetration Testing

Highlights

■ *Quantifies network weaknesses and real-world risks through demonstrations of covert and hostile activities typical of attacks in a safe and controlled exercise*

■ *Helps ensure the integrity and security of critical online assets*

■ *Provides detailed remediation steps to help prevent network compromise and improve security posture*

■ *Supports efforts to comply with government and industry regulations*

Gaining awareness of the vulnerabilities in your network

Securing company assets and maintaining regulatory compliance is an ever-increasing, ever-changing challenge. The threat environment is evolving as sophisticated criminal organizations supplant the stereotypical teenage hacker as a primary threat. As the threat level increases, so do the consequences of inadequate information security. At stake is valuable information—customer data, intellectual capital and financial transactions.

The impact of an intrusion or lack of regulatory compliance may carry with it unforeseen financial costs and bring harm to your company's brand image.

Having a clear understanding of your vulnerabilities and risks is a good first step toward securing your network, prioritizing security investments and achieving regulatory compliance.

Simulating attacks to identify network weaknesses

IBM Penetration Testing can help determine your network's current vulnerabilities while demonstrating how attackers can significantly impact your business. IBM Penetration Testing is a safe and controlled exercise, performed by security experts, to validate existing security controls and to quantify real-world risk. The result is a detailed security roadmap that prioritizes areas of weakness and specifies remediation steps to improve your security posture.

Significant benefits
- *Identifies vulnerabilities and risks in your networking infrastructure*
- *Validates the effectiveness of current security safeguards*
- *Quantifies the risk to internal systems and confidential information*
- *Raises executive awareness of corporate liability*
- *Provides detailed remediation steps to prevent network compromise*
- *Validates the security of system upgrades*
- *Helps protect the integrity of online assets*
- *Supports efforts to achieve and maintain compliance with industry and government regulations*

Robust features
- *Provides a detailed analysis of your network security*
- *Delivers a safe, quality service by an expert security professional, through both manual penetration techniques and automated scanning*

- *Conducts real-life demonstrations of covert and hostile activities typical of malicious attackers' attempts to compromise perimeter devices and security controls*
- *Provides a detailed impact analysis of the demonstrated attacks*
- *Prioritizes the discovered risks and defines immediate actionable items to improve security posture*
- *Includes support from the IBM Internet Security Systems X-Force® security intelligence team, a world authority in vulnerability and threat research*

Leveraging a comprehensive, proven testing methodology

The IBM Penetration Testing service is more than just a simple assessment or vulnerability scan. IBM Internet Security Systems (ISS) consultants utilize their extensive experience, manual investigation techniques as well as tools to identify and exploit vulnerabilities. The IBM Penetration Testing methodology includes:

- *Network discovery and reconnaissance—extensive inspection of online hosts and services to identify issues or vulnerabilities that can lead to exploitation*
- *Perimeter or internal attack—exploitation of key vulnerabilities*
- *Remote exploitation—attempt to further penetrate the network and reach systems containing valuable or confidential data*
- *Findings and analysis deliverables—detailed report including findings and specific, actionable recommendations for next steps.*

Why IBM Internet Security Systems?

IBM Professional Security Services from IBM Internet Security Systems offer some of the best security consulting services in the industry. Our expertise, tools and methodology combine to deliver:

Security expertise—Our elite team of expert security consultants 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 IBM Professional Security Services team for less than the typical cost of hiring a single in-house security expert.

Trusted relationship—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 IBM Internet Security Systems X-Force team, our globally recognized research and development team. This combination enables us to provide you with the best security solution for your business.

Combined solutions provide a more comprehensive security assessment
For a complete assessment and analysis of your organization's security posture, IBM ISS recommends combining IBM Penetration Testing with IBM Information Security Assessment. When combined, these services provide a more thorough examination of your organization's security posture from both holistic and practical approaches.

For more information
To learn more about IBM Penetration Testing or IBM Information 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:

ibm.com/services/us/iss

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