Information security assessment

Assess your information security and create a road map to reduced risk

Understanding the state of your current security capabilities and identifying vulnerabilities are the first steps toward protecting the confidentiality, integrity and availability of critical data. These steps are also integral to regulatory compliance efforts. Remaining unaware of security risks can leave your organization vulnerable to attacks targeting the network, or a breach resulting in the loss, misuse or exposure of sensitive data. You may experience significant costs to address the attack or breach and in a loss of customer trust and damaged reputation. To establish an effective security strategy, you must start with an accurate evaluation of your current information security posture.

IBM Infrastructure Security Services – information security assessment provides a comprehensive evaluation of your existing security landscape in relation to industry best practices and regulatory requirements. Consultants gather information about your current security controls and evaluate their effectiveness to identify risks and provide detailed, actionable recommendations for mitigating risks and improving protection. In addition, IBM expert security consultants frame the information security assessment recommendations in terms of your business objectives.
Uncovering information security and network exposures

IBM security specialists can help you gain an understanding of your current information security exposures to help limit the potential impact of vulnerabilities. Our services include:

- Evaluation of existing network security architecture, policies and processes
- Assessment of the current level of vulnerabilities throughout your computing environment
- Analysis of perimeter and internal security controls and mechanisms
- Interviews with key staff members

IBM security specialists perform a variety of key tests and activities, including:

- External and internal network vulnerability testing with network scans
- Database vulnerability testing
- System security assessments of mission-critical servers
- Modem testing or “war dialing” to evaluate existing exposures
- Wireless penetration testing and wireless network security assessments
- Application vulnerability testing to uncover potential security weaknesses in application design and implementation
- Physical security assessments to evaluate the susceptibility to physical security breaches

Helping improve data confidentiality, integrity and availability

An information security assessment includes a specific, actionable plan to help improve your overall security posture based on business needs. Action items and considerations for addressing identified issues are provided in a detailed report of assessment results in both technical and management terms. 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 designed to enhance your business operations.

Enabling regulatory compliance and effectiveness

Informed decision making is based on knowledge about gaps in your security controls, policies and processes. A security assessment enables more proactive protection from threats and enhances your ability to meet compliance requirements. Our information security assessment provides an analysis of technical security controls and mechanisms, following a proven methodology for identifying and reducing risk. We review your security policies, procedures and practices in relation to ISO 27002, best practices and business objectives. We also provide a social engineering assessment to understand the overall level of employee security awareness. We help you improve your security effectiveness by working with your key staff and management to design a customized plan suited to your security goals.
Why IBM?
IBM helps organizations of all sizes reduce security risks, address compliance and improve business continuity. Our services leverage corporate security leadership, security consulting, experience in investigative branches of the government and law enforcement, and IBM X-Force™ research and development—all available to you for less than the typical cost of an in-house security expert. With our penetration testing services, you can gain a holistic assessment of current information security and understand how specific weaknesses may lead to compromise that can impact your business.

For more information
To learn more about the IBM Infrastructure Security Services – information security assessment please contact your IBM marketing representative or IBM Business Partner, or visit the following website: ibm.com/services/security

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