

VULNERABILITY ASSESSMENT & PENETRATION TESTING

With growing IT security threat landscape and cyber-attacks becoming almost a norm, it is fast becoming essential for organizations to undertake regular vulnerability scans and penetration testing on a regular basis to identify vulnerabilities and ensure that appropriate cyber controls are available, and they are effectively working. It includes assessing for vulnerabilities, penetration testing, reporting and patching of company's web/mobile applications and networking infrastructure.

TOP FIVE VULNERABILITIES

01

Poor design of hardware
and software

02

Complex software or
hardware

03

Poorly configured
system

04

System connected to an
unsecured network

05

Poor password
combinations



WHY VULNERABILITY ASSESSMENT AND PENETRATION TESTING?

Vulnerability Assessment and Penetration Testing (VAPT) provides enterprises with a more comprehensive application evaluation than any single test alone. Vulnerability scanning examines the exposed assets (network, server, applications) for vulnerabilities while penetration testing looks at vulnerabilities, try and exploit them. Some of the key benefits of VAPT are:

- Identifies vulnerabilities and risks in web/mobile applications and networking infrastructure
- Validates the effectiveness of currently implemented security controls, system updates / upgrades
- Helps in quantifying the risks to the internal systems and confidential information
- Protects the integrity of assets in case of existing malicious code hidden in any of them Provides detailed remediation steps to detect existing flaws and prevent future attacks
- Helps to achieve and maintain compliance with applicable regulations

BUSINESS BEAM HELPS YOU IN KNOWING YOUR SECURITY VULNERABILITIES

Salient features of our gap assessment include:

Holistic approach: By using the latest tools and techniques available from the hacker community, our IT Security experts simulate controlled physical or logical attacks and provide a full snapshot of your organization's security posture covering IT environment such as Networks, IP Address, Operating System Version, etc.

Extensive scope: We use a four-phase testing process: Passive Reconnaissance, Active Scanning, Controlled Penetration, and Controlled Vulnerability Exploitation that gives you a comprehensive coverage of vulnerabilities which may likely exist in your network and information systems. Black Box Testing, Grey Box Testing, White Box Testing techniques are used for scoping the assessment before the exercise is conducted.

Detailed technical assessment: Our Team runs the scans to test & validate the effectiveness of security safeguards and controls currently in place, and to demonstrate the existing risks to your organization's wired & wireless networks, Windows, Linux, AIX, and IOS systems, intranet, Web and mobile applications by using host based, network based or database-based vulnerability testing methods / tools depending upon the scope of the scans.

Mentoring in setting SMART targets: We discuss, understand, mentor and facilitate your IT security teams in setting their security targets exclusively based on your current IT set up, exposure to technical risks, budgets, future plans and existing organizational capabilities. It ensures that instead of being unrealistic, you set SMART targets which enables you to have a clear vision and direction of your future IT security landscape.

Highly customized remediation planning: Our major focus is to give you a clear path on how you can close the identified vulnerabilities and achieve your desired security state. This gaps closure plan is highly customized, detailed that comprehensively covers action plans, roles and responsibilities against each requirement which must be assumed in order to achieve the set SMART targets and subsequently meeting your security objectives. This gaps closure plan helps you to estimate your time, efforts, resources, budgets and cost with a clear mindset & roadmap.



ABOUT BUSINESS BEAM

Business Beam is a global consulting and training firm that helps companies solve problems in governance, operations, quality, services, projects, information security, business continuity, human resources, risk and internal audit.

Established in 2004 with a vision to drive organizations towards corporate excellence, Business Beam has served hundreds of organizations of various sizes, different domains and geographical regions. Business Beam partners with clients to convert them into high-performance businesses and governments. We feel honored to help them grow!

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