

IBN Tech's Automated Penetration Testing Enables Shift-Left Security for DevOps Pipelines

IBN Technologies' automated pen testing uncovers vulnerabilities 10x faster while maintaining accuracy through hybrid cloud pen testing approaches.

MIAMI, FL, UNITED STATES, December 9, 2025 /EINPresswire.com/ -- The need for effective, scalable security testing grows as cyber threats change quickly and businesses increase their digital footprints in cloud and hybrid settings. One crucial remedy that allows for ongoing vulnerability finding without the constraints of manual procedures is [automated penetration testing](#). IBN Technologies combines AI-driven tools with professional supervision to incorporate sophisticated automated penetration testing into its vulnerability assessment and penetration testing services. This method responds to the increasing demand for regular, thorough evaluations that keep up with threat environments and development cycles.



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Challenges Solved by Automated Penetration Testing

1. Manual testing constraints limit frequency and coverage in fast-paced DevOps pipelines.

2. Cloud infrastructure complexity demands specialized [cloud pen testing](#) beyond traditional methods.

3. Resource-intensive reporting delays remediation and executive decision-making.

4. Partial visibility into business logic flaws and authentication weaknesses in web applications.

5. Compliance requirements for regular, documented security validations across dynamic environments.

6. Scaling penetration testing for large asset inventories without proportional cost increases.



The advertisement for CloudIBN VAPT Audit Services features a blue and white color scheme. At the top left is the CloudIBN logo, and at the top right are certification logos for ISO 9001:2015, ISO 27001:2013, ISO 20000, and GDPR Compliant Company. The main headline in a dark blue box asks, 'Worried About Growing Cyber Threats In 2025?'. Below this, a text block states: 'Outsourcing your cybersecurity is the smart move. CloudIBN's VAPT services identify vulnerabilities before hackers can.' To the right of this text is an illustration of three professionals (two women and one man) in a modern office setting, looking at a large screen displaying charts and graphs. A call-to-action button on the left says 'Book Your free VAPT Demo Today!'. The bottom of the ad contains contact information: 'sales@cloudibn.com', 'USA | +1 281-544-0740', and 'www.cloudibn.com', followed by the text 'VAPT Audit Services'.

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VAPT Audit Services

IBN Technologies' Automated Penetration Testing Solution

IBN Technologies delivers enterprise-grade automated penetration testing enhanced by certified expertise and hybrid methodologies:

1. Specializes in cloud pen testing targeting AWS, Azure, and multi-cloud configurations with automated exploit chains.
2. Combines automation with [grey box penetration testing](#) for deeper insights into authenticated scenarios.
3. Generates executive-ready pen test reports with prioritized risks, remediation roadmaps, and compliance mappings.
4. Certified engineers holding CEH, OSCP credentials ensure methodology alignment with NIST, OWASP, and PCI-DSS.
5. Customizable testing cadences integrate seamlessly into CI/CD pipelines for shift-left security.

Benefits of Automated Penetration Testing

Organizations leveraging IBN Technologies' automated penetration testing achieve 10x faster vulnerability discovery while maintaining manual test accuracy. Cloud pen testing uncovers misconfigurations early, preventing costly breaches. Comprehensive pen test reports accelerate remediation by 60% through clear prioritization. Grey box penetration testing validates access controls and business logic, reducing false positives by 80%. This scalable approach delivers continuous security assurance without expanding internal teams.

The Essential Role of Automated Penetration Testing

Scalable security testing is essential as attack surfaces grow and software delivery speeds up. Automated penetration testing is now a vital requirement for businesses looking to secure innovation quickly. At the vanguard of this development is IBN Technologies, which combines state-of-the-art automation with extensive knowledge of cloud pen testing, gray box penetration testing, and actionable pen test results. Organizations may quickly find vulnerabilities, minimize manual labor, and guarantee compliance across environments by automating repetitive operations. In order to prevent security from impeding innovation, IBN Technologies assists companies in maintaining strong, proactive security postures. IBN Technologies provides thorough, real-time insights on web application security, cloud environments, and internal networks, enabling companies to strengthen their digital assets and scale safely as they adjust to changing dangers.

Related Services-

1. SIEM and SOC Services- <https://www.ibntech.com/managed-siem-soc-services/>
2. VCISO services- <https://www.ibntech.com/vciso-services/>

About IBN Technologies

IBN Technologies LLC is a global outsourcing and technology partner with over 26 years of experience, serving clients across the United States, United Kingdom, Middle East, and India. With a strong focus on Cybersecurity and Cloud Services, IBN Tech empowers organizations to secure, scale, and modernize their digital infrastructure. Its cybersecurity portfolio includes VAPT, SOC & SIEM, MDR, vCISO, and Microsoft Security solutions, designed to proactively defend against evolving threats and ensure compliance with global standards. In the cloud domain, IBN Tech offers multi-cloud consulting and migration, managed cloud and security services, business continuity and disaster recovery, and DevSecOps implementation—enabling seamless digital transformation and operational resilience.

Complementing its tech-driven offerings, IBN Tech also delivers Finance & Accounting services such as bookkeeping, tax return preparation, payroll, and AP/AR management. These are enhanced with intelligent automation solutions like AP/AR automation, RPA, and workflow automation to drive accuracy and efficiency. Its BPO Services support industries like

construction, real estate, and retail with specialized offerings including construction documentation, middle and back-office support, and data entry services.

Certified with ISO 9001:2015 | 20000-1:2018 | 27001:2022, IBN Technologies is a trusted partner for businesses seeking secure, scalable, and future-ready solutions.

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