Intro to Cloud Penetration Testing for CISOs & Security Managers

What is cloud penetration testing and why you need it

IT resources in a cloud are at risk

Many companies' cloud resources are unintentionally exposed to attackers, usually due to human error. Cybercriminals probe constantly for common security gaps on Azure, AWS, and other hosting services. Many businesses only identify their cloud security gaps after a data breach.

- **Be proactive**. Reduce your risk by using cloud penetration testing to proactively probe for cloud security gaps. Then you can fix them and prevent unwanted access.
- **Penetration test** your cloud assets as part of your network and application penetration testing programs, or focus on cloud penetration testing, specifically.

When penetration testing this	Include these cloud resources
Internal Network	Cloud infrastructure that is exposed to the corporate network
External Network	Cloud services, such as file storage, web servers, and databases Cloud virtual machines
Platform as a Service (PaaS)	Serverless computing, hosted databases, and environment configurations
PCI Compliance	Payment cardholder data environments in a cloud
Applications	Cloud-hosted applications and mobile, web or thick client applications that use cloud services

Configuration review finds common misconfigurations

Cloud computing has a learning curve, and mistakes create exposure. Cloud penetration testing should blend traditional penetration testing techniques with an in-depth configuration review. The configuration review identifies common misconfigurations that harm security, such as excess user privileges, access control issues, setup of hosted services, and firewall rules that expose internal applications and systems to the internet.

Reduce your risk with cloud penetration testing by NetSPI

Moving your IT infrastructure to a cloud platform can create exposure from network, application, and configuration vulnerabilities resulting in external access to company credentials, internal systems, and sensitive data.

NetSPI's cloud penetration testing service identifies security gaps in cloud infrastructure with penetration testing and configuration review. We provide actionable guidance for remediating the vulnerabilities and improving your organization's cloud security.

Learn more about cloud penetration testing at
www.netspi.com/cloud-pentest
or speak to an expert at 612.465.8880

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