

Cloud Penetration Testing

NetSPI pentests your cloud infrastructure wherever it is hosted. We follow manual and automated penetration testing processes that use commercial, open source, and proprietary cloud pentesting tools to evaluate your AWS, Azure, or GCP infrastructure from the perspective of anonymous and authenticated users.

Improve Your Cloud Security with NetSPI

Gartner estimates up to 95% of cloud breaches occur due to human errors such as configuration mistakes. Attackers constantly scan the internet to find these security gaps. Our [cloud penetration testing solutions](#) identify configuration issues and vulnerabilities in your Azure, AWS, or Google Cloud Platform (GCP) infrastructure and guide you to close the security gaps and improve your cloud security posture.

Our Cloud Penetration Testing Solutions



Whether you are migrating to Azure, developing applications in Azure, or pentesting annually for compliance, Microsoft Azure penetration testing helps you ensure your cloud infrastructure is secure.

NetSPI identifies high impact vulnerabilities found in your Azure cloud services, including applications exposed to the internet. Our Azure pentesting also finds credentials, excessive privileges, and misconfigurations in Azure Active Directory that can lead to the compromise of your Azure infrastructure and enable an attacker to expose sensitive data, take over Azure resources, or pivot to attack your internal network.



AWS penetration testing helps you find cloud security gaps that create exposure and risk. It is a necessary component of security if your organization is migrating to AWS, developing applications in AWS, or pentesting annually for compliance.

During AWS penetration tests, NetSPI identifies vulnerabilities, credentials, and misconfigurations that allow our expert cloud pentesters to access restricted resources, elevate user privileges, and expose sensitive data. Testing also identifies exposure of internet-exposed management interfaces, S3 buckets exposed to the internet, and security gaps in AWS Identity and Access Management (IAM) configurations.



Google Cloud penetration testing helps organizations establish security as they migrate to Google Cloud, develop applications in GCP, or use Google Kubernetes Engine (GKE).

During Google Cloud penetration tests, NetSPI tests for vulnerabilities that adversaries can exploit. Our testing goes beyond automated scanning to manually exploit vulnerabilities and misconfigurations to identify security gaps in your Google Cloud attack surface.

Cloud Pentesting Methodology

Improve discovery, verification, prioritization, and remediation of your cloud security gaps with our unique combination of innovative pentesting technologies and techniques, plus the hands-on support from our global offensive security experts. Securing resources hosted within the cloud is a high priority, but a complete security assessment of your cloud infrastructure requires three distinct steps:



Configuration Review

Our expert cloud pentesters evaluate the configurations of your AWS, Azure, or GCP services and the identity and access management policies applied to those services. Misconfigurations can lead to significant security impact in AWS, Azure, or Google Cloud Platform environments.



External Cloud Pentesting

External cloud security testing solutions include vulnerability scans and manual pentesting probes of your AWS, Azure, or GCP infrastructure to uncover issues in public-facing services. This includes web and network-related security issues.



Internal Network Pentesting

Internal network layer testing of virtual machines and services enables NetSPI to emulate an attacker that has gained a foothold on a virtual network.

Get proactive about cloud security.
[Schedule a meeting](#) with our global pentesting team today!

About NetSPI

NetSPI is the global leader in offensive security, delivering the most comprehensive suite of penetration testing, attack surface management, and breach and attack simulation solutions. Through a combination of technology innovation and human ingenuity, NetSPI helps the world's most prominent organizations discover, prioritize, and remediate security vulnerabilities.