

European Bank Achieves Scalable Penetration Testing for Complex Infrastructure

At A Glance



INDUSTRY Banking



USE CASE Audit-Ready Compliance



COMPANY SIZE >6,000 employees



RESULT Continuous Confidence in Application Risk

The Challenge

A major bank in Southern Europe had an extensive infrastructure built on hundreds of microservices and API-based applications. Their security team had already been actively testing critical applications with the help of an offensive security team, conducting manual penetration tests on demand. However, an audit revealed a significant gap where most of the APIs within their infrastructure had never been tested for vulnerabilities, leaving them exposed to risks.

They struggled with the common issue of broken access vulnerabilities, which were frequently discovered during manual tests. Unfortunately, their manual efforts could not catch all of them, and they lacked the software tools to automate testing for scalable coverage across their vast network. The need for full API penetration testing coverage was urgent.

Solution

Equixly's platform was deployed across the customer's vast infrastructure, covering over 5,000 endpoints, 100 applications, and 400 services. The testing instantly identified threats such as Broken Access Vulnerabilities that had previously been missed by human testing

Working alongside the customer's security specialist, we implemented bespoke automation to further reduce the human intervention required as their infrastructure scales.

Outcome

Equixly were able to run a full, automated penetration test across the customer's entire application infrastructure. This allowed them to demonstrate full compliance coverage to their auditors, showing that they had addressed previously overlooked vulnerabilities. The automated testing solution scaled to meet the security needs of a large, complex organization that traditional penetration testing would be unable to achieve.

