

ConnectMyApps Case Study



Service:
Web Application
Penetration Testing

How ConnectMyApps keeps information security paramount with Web App Penetration Testing

The Requirement

ConnectMyApps was founded in 2014 with the purpose of simplifying integration and setting businesses free from manual data entry and inconsistent records. ConnectMyApps is a software integration platform for medium and large enterprises that connects and synchronises data between different business applications, including ERP, HR, CRM, e-commerce, and more

Today, from its offices in Oslo, London and Lisbon, it helps over 1000 mid-size and enterprise customers across Europe make their data flows more automated, secure and timely by connecting the systems they rely on in their finance, sales, marketing, HR and other operations processes.

Information security is paramount at ConnectMyApps. The business ensures that customers can be confident their sensitive data is safe. As part of this commitment to its customers, ConnectMyApps conducts regular penetration testing on its Integration Platform as a Service (iPaaS) platform, Canvas, and follows cybersecurity best practice to secure the business as a whole.

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The Solution

ConnectMyApps engaged DigitalXRAID to perform the Web Application Penetration Test to identify if any security weaknesses or potential exploitable vulnerabilities were present in the application, API or external infrastructure.

As a first step, DigitalXRAID's penetration testing consultants assisted ConnectMyApps with effectively scoping the web app pen test. This was to ensure that maximum value would be achieved during the testing time.

DigitalXRAID delivered a thorough Web Application Penetration Testing Service in line with the agreed scope, over several days. DigitalXRAID used various tools and techniques as part of the penetration test, in line with industry best practice.

Testing was performed using an advanced testing methodology, comprised of years of experience and aligned closely with Open Web Application Security Project (OWASP) and Open-Source Security Testing Methodology Manual (OSSTMM) and other industry standards.

The team conducted comprehensive tests which assessed the web app from an unauthenticated and authenticated perspective and determined whether the web app could be compromised.

The testing team thoroughly reviewed the web app configuration, including the underlying server, API and encryption security. This assessed how it communicated information to ensure that nothing could be disclosed and cause a security risk.

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The Solution, continued

The testers looked at areas such as processes and role definition, identity authentication and authorisation in order to attempt to bypass processes and workflows.

As part of the test, DigitalXRAID's penetration testers also conducted checks to ensure that the application appropriately validated and sanitised all input from the user or environment, checking for common input validation vulnerabilities such as cross-site scripting, SQL injection, code injection, server-side attacks, and host header injection.

At the end of the testing period, DigitalXRAID supplied a comprehensive report, detailing the methodologies followed and highlighting and categorising any vulnerabilities found into low, medium, high and critical priorities.

The report included a risk summary that explained how any vulnerabilities identified could be used by an attacker to affect the business.

This gave ConnectMyApps the advantage of proactively addressing any gaps or potential vulnerabilities before they could be exploited by a malicious actor.

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The Results

ConnectMyApps has been able to shore up security to ensure that there are no exploitable vulnerabilities in the web application. The group is confident that the Canvas Integration Platform as a Service (iPaaS) web application is currently guarded against active threats from cyber criminals.

Penetration testing is a key part of ConnectMyApps' cybersecurity strategy, so looking forward, further regular penetration testing will be conducted across various brands and infrastructure alongside the company's other cybersecurity measures.

"DigitalXRAID's penetration testing provided valuable assurance that our Canvas iPaaS platform is resilient against cyber threats.

Their expert team conducted a thorough and professional assessment, reinforcing our commitment to proactive security measures. Regular penetration testing remains a key part of our cybersecurity strategy to ensure ongoing protection for our customers' data."

Igor Kostian, CTO, ConnectMyApps

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DigitalXRAID are an award-winning managed security services provider dedicated to providing our clients with state-of-the-art cyber security solutions. We specialise in Vulnerability Management, Threat Intelligence, Information Security, PCI-DSS, Penetration Testing, Managed Security Services, Security Consultancy, and offer a fully managed Security Operations Centre (SOC) for your complete cyber security protection.

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