

Augustus Oils Case Study



Service:
Penetration Testing

How Augustus Oils safeguarded its external infrastructure with regular penetration testing

The Requirement

Augustus Oils is a premier supplier to the world's flavour and fragrance industries. It bridges the gulf in expectation and trust between growers and users of natural ingredients.

Through well-equipped laboratories, the company provides blending and processing, research and development and unparalleled quality control in partnership with customers, growers, farmers and distillers.

Augustus Oils has invested in modern laboratories and equipment to produce innovative ranges of natural ingredients.

Quality systems are fully in compliance with ISO9001.

As a best practice measure, Augustus Oils wanted to understand what its current security posture was in terms of external infrastructure and ensure that there were no vulnerabilities that could be exploited by a malicious actor.

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The Solution

Augustus Oils engaged DigitalXRAID to perform regular external infrastructure penetration testing in order to identify any security weaknesses and potential exploitable vulnerabilities.

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

DigitalXRAID delivered a thorough penetration testing service in line with the agreed scope. Over several days, the team conducted comprehensive tests which assessed the infrastructure, and determined whether any vulnerabilities existed that could be compromised.

DigitalXRAID used various tools and techniques as part of the penetration test, in line with industry best practice. Testing is performed using an advanced testing methodology which is comprised of years of experience.

The team thoroughly reviewed the infrastructure as part of the reconnaissance stage, including fingerprinting open ports or potential access points and active scanning techniques.

As a high-level overview of the attack simulation phase, the testers looked at areas such as the versions of software or hardware in use, passive monitoring of the network in internal environments, used active scanning techniques such as port scanning, and investigated identity authentication and authorization in order to attempt to bypass processes and workflows.

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As part of the test, DigitalXRAID's penetration testers also assessed encryption security around the transmission of communication. This included checking for common weaknesses in SSL/TLS configurations and verifying that all sensitive data is securely transferred.

At the end of the testing period, DigitalXRAID supplied a comprehensive report, detailing the methodologies followed and highlighting and categorizing 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.

"The process was very painless. I appreciated being able to ask questions throughout even though the testing was on a new site.

The report gave a thorough in-depth explanation of the findings and gave clear solutions for remediation"

Mark Lister, IT Manager, Augustus Oils

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The Results

Augustus Oils is confident that external infrastructure is safeguarded effectively with penetration testing conducted on a regular basis. Even with updates to infrastructure, regular testing ensures that Augustus Oils remains secure.

With the results of the test outlined in the final report, with recommended remediation steps, Augustus Oils has the advantage of proactively addressing any gaps with an action plan, before potential vulnerabilities could be exploited.

The report is also communicated to senior directors to raise visibility of cyber security within the business from the top down.

By working with DigitalXRAID on continuous penetration testing, the reporting structure remains consistent and therefore communication of results to the board is clear and consistent.

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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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