Case Study - eCommerce

CUSTOMER
A pure-play eCommerce fashion brand with £50+ million turnover

PROJECT
Mobile application secured against backdoor password and API vulnerabilities

THE CHALLENGE

An online retailer preparing to roll out mobile application for its supply chain. Given the sensitive data in use, the application utilised backend APIs and mobile devices to record, download and update sensitive customer information.

An increased focus on security and privacy meant data storage and communication modules should follow good security practices.

THE SOLUTION

Cyphere were assigned the task to ensure no known risks exist in relation to data storage, transfers and data leakage threats.

The team agreed that they would validate API security, mobile application and device configuration before go live using a grey box methodology for best results. Two critical weaknesses i.e. an existing backdoor had been identified along with broken API access control vulnerabilities that needed urgent remediation or risk being exploited at any moment.

RESULTS

Identified and demonstrated proof of concept on how an existing backdoor can support an insider attack

Enhance the mobile infrastructure security profile for the business

Advice around risk based approach to mitigate current risks with tactical and strategic recommendations

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