



Appknox Case Study

Retail mobile application security reimaged with Appknox

Overview



Challenge

The global retail leader struggled with an inability to detect app-specific vulnerabilities during development, lengthy report generation times, difficulties integrating security tools into the CI/CD pipeline, late vulnerability detection leading to high remediation costs, and a fragmented view of security issues across the application portfolio.



Solution

Appknox's comprehensive suite helped in early vulnerability detection through security testing, rapid report generation, seamless CI/CD integration, a unified view of the security posture, and continuous improvement through regular updates - all of which enhanced the company's mobile security and development efficiency.

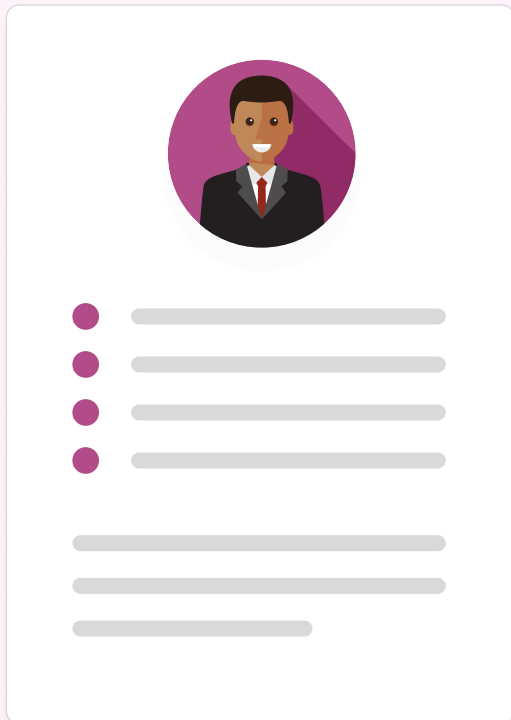


Results

Appknox significantly improved the retailer's mobile security. Their solution sped up vulnerability detection, streamlined development, and provided a unified security view, all within 90 minutes per app. This reduced the time spent on clarification before mitigation.

What Appknox helped achieve

- 01 Proactive identification & patching of vulnerabilities led to 50-70% reduction in vulnerability detection time.
- 02 Simplified compliance audits resulting in a 70-80% reduction in compliance audit time.
- 03 Upfront cost savings on security infrastructure. The pay-as-you-go model saved 10-20% on security costs.



Client profile

INDUSTRY

Retail

SERVICE LOCATION

United Kingdom

HEADQUARTERS

London

REVENUE

\$15 Billion

EMPLOYEES

75000+

SECURITY TEAM SIZE

10-15



About the company

The iconic British retailer, **headquartered in London, UK, is the leading private limited retailer** with over 1,487 stores globally.

The brand is known for its high-quality products, innovative offerings, and customer-centric approach and has a long 135-year history. It serves nearly 30 million customers annually through its diverse business segments, including clothing & home, and food.

The challenges

Ensuring the security of the applications was a daunting task, especially when dealing with a large portfolio of apps.

The retail company faced several key challenges in maintaining the security of its mobile ecosystem, which ultimately led them to seek a comprehensive solution.



Detecting mobile app-specific vulnerabilities during the development phase

The retail company mentioned that no mobile app-specific vulnerabilities were detected during the development phase before using Appknox.

Appknox's comprehensive security testing, including SAST, DAST, and API scans, can help identify these vulnerabilities early in the SDLC.



Late detection of vulnerabilities leading to increased remediation costs

Security vulnerabilities detected late in the SDLC caused remediation costs to double.

Appknox's early detection capabilities and integration with the development pipeline help identify and fix vulnerabilities before they become costly issues.



Lengthy report generation time with prior tools

With prior tools, it took days for the retail company to receive the final report after requesting an app assessment. Appknox's automated platform can generate reports in less than 60 minutes, significantly reducing the turnaround time.



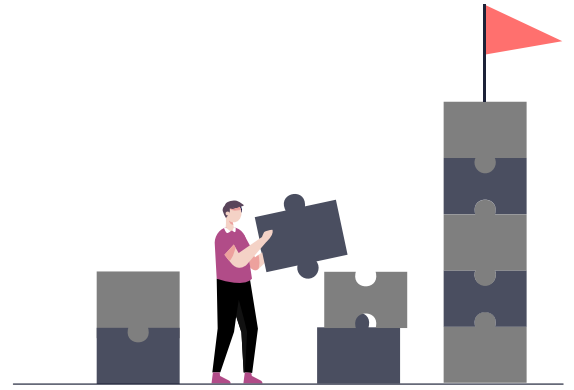
Difficulty integrating with the CI/CD pipeline

The retail company faced challenges integrating prior tools into its Bitrise pipeline due to the lack of APIs or CLI.

Appknox provides seamless integration with popular CI/CD platforms like Jenkins, GitHub Actions, and Bitrise, enabling continuous security testing.

The solution

After carefully evaluating the challenges faced by the retail company, Appknox emerged as a comprehensive solution that addressed the key pain points and empowered the organization to enhance its mobile security posture. The following are the top solutions that Appknox provided to the retail company



Comprehensive security testing

Appknox's comprehensive security testing, including SAST, DAST, and API scans helped identify mobile app vulnerabilities early in development, saving time and money on late-stage fixes.



Enhanced security and continuous improvement

Appknox's regular updates coupled with integration in the early stages of SDLC ensured continuous improvement and enhancement of the security posture.



Efficient report generation

Appknox's automated platform generated vulnerability assessment reports in less than 60 minutes, significantly reducing the turnaround time compared to the days it took with the prior tools.



Unified view of vulnerabilities

Appknox's centralized dashboard gave the company a unified view of the security posture across its entire mobile application portfolio, allowing for better prioritization and remediation of critical vulnerabilities.



Seamless CI/CD integration

Appknox seamlessly integrated into the company's CI/CD pipeline, easing the challenges associated with prior tools. This ensured development and deployment became more efficient and frictionless.

The impact

After integrating Appknox in late 2023 in the security assessment workflow, the global retail electronics leader was able to add Appknox’s robust vulnerability assessment capabilities and detect a total of 130 vulnerabilities within the first 90 minutes spent on each application.



Parameter	Before Appknox	After Appknox	Savings/ Benifits
Vulnerability coverage	Vulnerability checks only performed after development	Reduced risk of breaches and reputational damage	Up to 100% more vulnerability coverage with automated detection
Time	Relied solely on internal testing, potentially missing critical flaws	Prompt mitigation of critical vulnerabilities	90% faster identification of critical vulnerabilities
Release cycles	Security assessments delay app updates leading to slow release cycles	Faster time-to-market and quicker	50% faster time-to-market with secure app updates
Cost	High security costs owing to dedicated in-house security teams and infrastructure	Reduced security expenditure and freed up cost, and security and engineering team bandwidth	>50% cost savings on security personnel and infrastructure

KEY INSIGHTS

51

Applications Analyzed

341

Vulnerabilities in 1st scan

15

Critical Scan



Our overall experience with Appknox has been very positive. The product has significantly helped in improving our security processes for Mobile apps, and the support provided has been exceptional.

Senior Specialist, Cyber Security Office

The Appknox advantage

Appknox is an enterprise-grade security platform that helps developers, security researchers, and enterprises build a safe and secure mobile ecosystem faster with automated security checks.

THE APPKNOX IMPACT

<90 mins

comprehensive automated VA

<1%

false negatives

8+

compliances



Trusted by Gartner, loved by enterprises

- ✓ Recognized in Gartner Peer Insights Voice of Customer
- ✓ Gartner Hype Cycle for Application Security
- ✓ Gartner Notable Vendor

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superior scalable security
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