



Appknox Case Study

**Strengthening mobile app security for
the Middle East's largest food and
beverage enterprise**

Overview



Challenge

The F&B enterprise faced difficulties in meeting strict zero-vulnerability standards due to multiple external development agencies, limited SDLC automation, and high-security testing costs. Addressing code quality issues and ensuring real-time monitoring across all app versions were critical needs.



Solution

Appknox provided automated scanning, real-time store monitoring, and a centralized CISO dashboard for seamless SDLC visibility. On-demand remediation support and a cost-effective combined VA and PT solution ensured consistent security without disrupting development workflows.

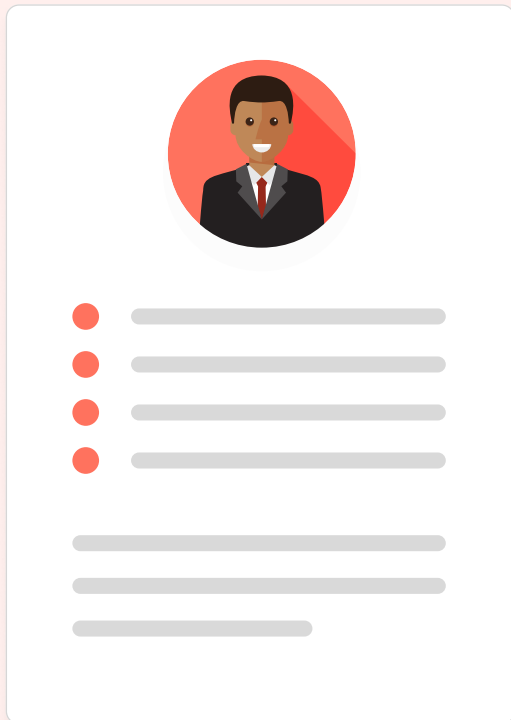


Results

Appknox enabled vulnerability-free releases, faster issue resolution, and a 50% reduction in security testing costs. The enterprise achieved improved security across all app versions, reduced risks, and maximized resource efficiency.

What Appknox helped achieve

- 01 Save 90% of the time and 50% of the cost spent on manual vulnerability detection
- 02 Reduce unnecessary vulnerability remediation by focusing on high-impact threats and <1% false positives.
- 03 Consistent vulnerability-free releases with automated QA



Client profile

INDUSTRY

Food & Beverages | Retail

SERVICE LOCATION

Global

HEADQUARTERS

Saudi Arabia

REVENUE

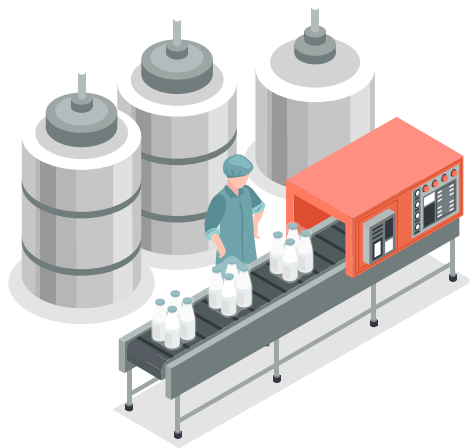
\$4B

EMPLOYEES

40000+

SECURITY TEAM SIZE

5-10



About the company

Based in Saudi Arabia, this company is the **Middle East's largest dairy and food producer**, known for pioneering high standards in food quality.

Since 1977, it has expanded from a small dairy into a regional leader offering dairy, juice, baked goods, poultry, and infant nutrition. Focused on sustainability and advanced production, the company processes over a billion liters of milk annually, serving millions across the region.

The challenges

The enterprise was committed to a zero-vulnerability release standard but had multiple external development agencies which posed significant challenges. Quality assurance requirements mandated vulnerability-free releases across all app versions, making it critical to have a robust solution for continuous monitoring and automated security checks.

Here is a list of some of the top challenges they faced.



Maintaining vulnerability-free releases across versions

With numerous development agencies involved, achieving and sustaining zero-vulnerability releases across every build was challenging, given the frequent updates and the need for stringent QA standards.



Knowledge gaps in issue remediation

Different external development partners struggled with code quality and timely issue resolution, highlighting the need for effective, collaborative remediation support.



Real-time monitoring and SDLC automation

The enterprise required end-to-end visibility of all app versions across stores, along with automated scanning to eliminate manual intervention within the SDLC.

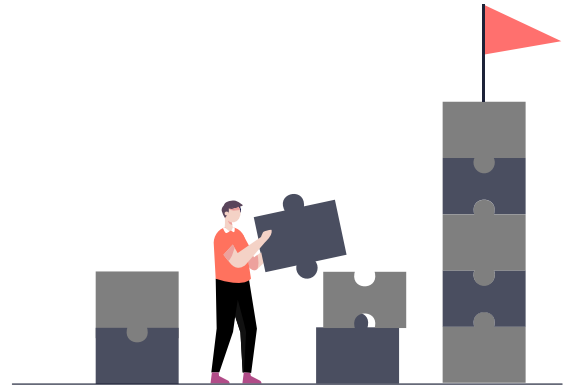


Cost of vulnerability assessment and penetration testing

High third-party penetration testing (PT) costs and a lack of integrated vulnerability assessment (VA) led the enterprise to seek a more cost-effective, consolidated solution.

The solution

Appknox delivered a comprehensive security framework that automated vulnerability detection, provided real-time monitoring, and integrated on-demand support. With tools for centralized visibility and seamless SDLC automation, Appknox ensured stringent QA standards and minimized dependency on manual intervention, reducing time, costs, and complexity across releases.



Comprehensive automated scanning and store monitoring

Appknox's real-time monitoring and automated scanning capabilities ensured continuous scanning across builds and versions in app stores. The solution met QA's standards by detecting vulnerabilities and confirming vulnerability-free status in each release.



On-demand remediation support and developer guidance

Appknox bridged knowledge gaps by providing scripts and support for issue resolution. Using GitHub, Appknox recreated vulnerabilities to demonstrate causes, enabling developers to understand better and remediate issues effectively.



Centralized CISO dashboard for real-time visibility

The CISO dashboard offered centralized monitoring for continuous tracking across the SDLC, simplifying visibility and eliminating manual oversight.



Cost-efficient VA and PT services

Appknox combined VA and PT into a single service at a lower cost than standalone PT services, offering comprehensive security coverage that met the enterprise's budget and risk management needs.

The impact

By adopting Appknox's solutions, the enterprise consistently met its zero-vulnerability goal, optimized developer efficiency, and reduced overall security costs. Real-time monitoring and automated scanning secured every release, while on-demand remediation support accelerated issue resolution, enabling faster, more reliable app deployments across all versions.



Parameter	Before Appknox	After Appknox	Savings
Time	Manual scans across 35+ apps were time-consuming and error-prone	Focus on remediation instead of lengthy manual scans	Saved 80% of time spent on manual vulnerability detection
Compliance	Limited visibility impacted security alignment with internal SOPs	Streamlined compliance testing with standardized processes	Reduced compliance audit preparation time by 60%
Effort	Disruptive code modifications lead to risks and delays	Continuous security without development disruptions	Saved 70% of development time and resources
Efficiency	Fragmented view hindered visibility and prioritization	Prioritize critical threats and optimize remediation efforts across the app portfolio	Improved vulnerability identification and remediation accuracy by 25%
Productivity	Difficulty prioritizing vulnerabilities based on actual exploitability context	Address the most critical risks first and maximize security ROI	Reduced remediation costs by 40% by focusing on high-impact threats and <1% false positives

KEY INSIGHTS

12

Applications Analyzed

99

Vulnerabilities in 1st scan

4

Critical Scan



Streamlining mobile app security was crucial for us. Appknox enabled seamless monitoring, automated scans, and faster remediation, ensuring strong security with minimal workflow disruption.

Head of Risk Management

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

**Unleash the power of
superior scalable security
with Appknox today.**

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