

Case Study

How Best Buy Built Security to Match Its Complex Digital Ecosystem



Industry

Retail & Technology

Location

United States

Checkmarx Solutions

- Static Application Security Testing (SAST)
- Software Composition Analysis (SCA)
- CI/CD Integration
- Checkmarx One

Checkmarx Services

Managed Security Service Provider (MSSP)

Key Takeaways

- ▲ Cut false positives by 80%
- ⚙️ 27,000 scans/month secured 2.1B LoC across thousands of CI/CD pipelines
- 👥 Empowered 3,000+ engineers across 300 teams

The Need

AppSec that Supports the Scale and Complexity of a Digital Retail Giant

As a Fortune 100 retailer, Best Buy is committed to delivering seamless, secure experiences to millions of customers. This requires an enormous technology footprint—thousands of applications, microservices, and engineers working in harmony. Consequentially, Best Buy runs one of the most complex digital ecosystems in retail:

- 3,000+ engineers and 300 application teams
- 8,000 repositories
- Thousands of microservices
- Releases happening thousands of times per month

This scale brings unique challenges: legacy apps “old enough to drink,” alongside modern cloud-native services; nearly every language and framework in use; and the constant need to keep customer data secure without slowing innovation.

“We needed a single platform that could help us move fast, stay secure, and reduce the noise.” says Matthew Hurewitz, Director of Application Security.

Best Buy needed an AppSec platform that could:

- Integrate seamlessly into thousands of CI/CD pipelines
- Deliver accurate results without overwhelming developers
- Scale across thousands of apps and services
- Provide governance, visibility, and clear reporting for leadership

The Solution

Unified AppSec, Built for Scale and Speed

Best Buy's AppSec journey took a major leap forward with the adoption of Checkmarx One. They didn't just implement a new tool: Checkmarx One integrated into their workflows, embedded into CI/CD pipelines, and gave their teams fast, relevant feedback—without overwhelming them.

“Everything that goes into production is scanned. That's 27,000 scans in a single month. And Checkmarx helps us keep pace without friction”, says Hurewitz.

Best Buy consolidated multiple tools into a single SaaS-native platform that integrates directly into developer workflows. This enabled:

Powerful SAST

Static analysis became the anchor of Best Buy's AppSec program, providing broad coverage and accurate results across legacy and modern applications.

Integrated SCA

Consolidated software composition analysis alongside SAST, reducing vendor sprawl and technical overhead.

CI/CD Integration

27,000 scans in one month across 2.1 billion lines of code, embedded into pipelines without slowing releases.

Analytics & Reporting

Clear insights into risk exposure, enabling smarter prioritization.

Developer-First UX

Reduced friction with fast scans and actionable results.

Noise Reduction

Custom presets cut false positives by 80%.

Prioritization & Unification

A unified platform simplified vendor management, reduced integrations, and allowed Best Buy to prioritize the most critical risks for remediation.

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“There are a lot of companies building AppSec tools for the latest shiny tech. Checkmarx is different—they're focused on solving real problems at enterprise scale and really care about our ability to meet the needs of our engineering teams, and ultimately our customers, which is why we trust them.”

Matthew Hurewitz

Director of Application Security



The Results

Real-Time Risk Reduction and Streamlined Operations at Peak Scale

By adopting Checkmarx One, Best Buy transformed how security fits into its software development lifecycle, with impact across the organization: false positives were cut by 80%, enabling engineers to focus on fixing true vulnerabilities; 27,000 scans per month across thousands of CI/CD pipelines ensured every release was secured without slowing development; and more than 3,000 engineers across 300 teams were empowered with embedded AppSec that kept pace with innovation.

Beyond the operational wins, Checkmarx also gives leadership the data-driven insights needed to measure program effectiveness and justify investment. As Global Chief Information Security Officer, Adam Mishler, explained:

“Without analytics, you’re just guessing. Checkmarx lets us prove we’re getting value from our security investment—and shows us where to improve.”

Strong analytics allowed the security team to identify where the greatest risks were, prioritize remediation, and demonstrate how security resources were reducing exposure. This meant that security could be measured not just in technical terms, but in business value—clear evidence that the “juice was worth the squeeze,” as Mishler puts it.

With unified tooling, streamlined vendor management, and analytics-first insights, Best Buy’s AppSec program scaled with the company’s digital ecosystem while proving its worth to both engineers and executives.

Discover how

Checkmarx One

can help your team scale secure development
without slowing innovation.

[Get a Free Demo ↗](#)

Checkmarx

Checkmarx is the leader in agentic AI, cloud-native application security that empowers the world’s largest development organizations with real-time scanning and closed-loop remediation to boost developer productivity on security tasks by up to 50%. Based on the powerful Checkmarx One platform that scans over six trillion lines of code each year, Checkmarx is designed for large-scale, hybrid human and AI-assisted development teams.

Checkmarx. Always Ready to Run.