

# Why Checkmarx

With software everywhere, everything becomes an attack surface. And while “everything” certainly sounds daunting, don’t panic, we’ve got your back.

For organizations that thrive on the software they develop, we know how important it is to you and your customers to protect data and avoid disrupting functionality and services. Despite software’s complexity, time to market remains critical and unyielding. Faced with increasing pressure to meet aggressive delivery deadlines, many organizations have pivoted to modern application development and cloud-native methodologies. However, their AppSec programs and current Application Security Testing (AST) solutions are likely not keeping pace.

In a recent Checkmarx survey, **a staggering 91% of respondent organizations** were breached at least once in the last year. Any breach can be catastrophic, so strengthening the security of software applications is increasingly vital.

## Enter Checkmarx: Industry-Leading Application Security Testing (AST)

This is where we come in. We’ve built our business on a suite of Checkmarx AST solutions and our new Checkmarx AST Platform™ that enable you to succeed securely without slowing you or your developers down. We provide:

- > Integrated and automated security scans running early and often throughout the software development life cycle (SDLC) to help you detect and remediate vulnerabilities before they reach production.
- > Intelligent remediation guidance and best fix location so developers can resolve risks quickly and easily.
- > AST solutions to mitigate risk in proprietary code, open source code, Infrastructure as Code (IaC), containers, APIs, and in the open source supply chain.
- > Developer training so your devs can learn to code securely—while developing code.

Adopting these AST approaches and solutions into every stage of your SDLC is critically important. So is enabling your developers to seamlessly integrate them across all of their processes, from scanning at the source code level to runtime testing. We make it easy and effective, boosting both application security and developer efficiency.

## Finding the Right Solution for DevSecOps Initiatives

You need AST solutions that work for your developers, security teams, and DevOps processes by solving for:

- > **Developer Adoption:** If developers aren't adopting AST solutions, they won't leverage them to ensure efficacy and ROI (return on investment). Basically, "if dev teams don't use it, security teams lose it."
- > **Resolving Code Vulnerabilities:** WAF, RASP, and other post-production security solutions don't resolve coding errors leading to vulnerabilities, nor are they scalable. Organizations need to eliminate this problem at its source, e.g., vulnerable lines of code.
- > **Decelerating DevOps:** If solutions don't span the entire SDLC and fail to catch vulnerabilities earlier and often in the lifecycle, companies run the risk of slowing developers down or releasing vulnerable code into production.
- > **Human Error:** Secure coding practices must be improved over time. Without proper training, developers will continue to make repetitive coding mistakes, and won't know how to remediate vulnerabilities quickly and effectively, no matter how they're discovered.
- > **"Check the Box" Security:** Deploying sub-par AST solutions leave companies and development teams open to massive risks. Here, "checking the box" is definitely not the right call.
- > **Solutions That Can't Scale:** As organizations become increasingly dependent on their code, more code will be the result. Finding AST solutions that grow with you, instead of against you, is essential.

## With Checkmarx, Your Organization Gets

- > **Security from the start:** The industry's most comprehensive, unified AST Platform, tightly integrating SAST, SCA, IaC Scanning, API Security, Supply Chain Security, and AppSec Awareness and Training to embed security throughout the CI/CD pipeline to reduce software risk. These solutions are available as a cloud-based platform and stand-alone.
- > **Automated security scanning:** Integrate well into DevSecOps processes to accelerate secure application development and get applications to production quickly and securely without interrupting or adding friction to developer workflows.
- > **Just-in-time learning for developers:** Snackable, relevant training that seamlessly integrates into developer workflows, teaching them how to code securely at the exact moment scan results show specific vulnerabilities.
- > **Unmatched DevSecOps expertise:** Our first-in-class research team, developer-centered approach, unparalleled professional services and support, and continued industry leadership has cemented Checkmarx continued popularity with developers and AppSec teams around the world.
- > **Optional services to fast-track your AppSec program:** Our expert services include Checkmarx Optimizer, Checkmarx AppSec Accelerator, Checkmarx AppSec Program Methodology and Assessment, and several professional services options to augment your efforts.

## Application Security Testing plus Developer Education Solutions

Checkmarx makes security essential infrastructure that, alongside developer education, reduces the number of security vulnerabilities found within the applications that your organization develops and deploys, minimizing your risk. Unified with DevOps methodologies and seamlessly embedded into your entire CI/CD pipeline, our holistic AST Platform and AST solutions set the new standard for instilling security across modern development—from scanning at the source code level to runtime testing.

## Checkmarx AST Options



### Checkmarx SAST

Highly accurate and flexible SAST that automatically scans at the source code level, enabling organizations to identify hundreds of potential security vulnerabilities in the most common coding languages and frameworks.



### Checkmarx SCA

Performs software composition analysis and enforces open source security policies as part of software development by ensuring vulnerable components and libraries are removed or replaced, while meeting relevant license requirements.



### Checkmarx IAST

Detects vulnerabilities and runtime risks during functional testing, seamlessly fitting QA automation or CI/CD pipelines while providing advanced vulnerability detection with zero impact on testing cycles.



### Checkmarx Codebashing

An AppSec awareness and training platform providing interactive, gamified, secure coding education to sharpen the skills developers need to avoid security issues, fix vulnerabilities, and write more secure, better quality code.



### KICS by Checkmarx

A free, open source engine with 2000+ queries, used to analyze Infrastructure as Code (IaC) to detect security vulnerabilities, compliance issues, and infrastructure misconfigurations early in the development cycle, helping to reduce IaC-related risk.



### Checkmarx AST Platform

Developed for today's technology stack, processes, and vulnerabilities, the Checkmarx AST Platform is the most advance, comprehensive cloud-based solution on the market today. It enables software-reliant organizations to simplify AppSec—in code, open source dependencies, IaC, microservices, APIs, and supply chain—all from a single scan.

**CONTACT US FOR A FREE DEMO TODAY**

## About Checkmarx

Checkmarx is constantly pushing the boundaries of Application Security Testing to make security seamless and simple for the world's developers while giving CISOs the confidence and control they need. As the AppSec testing leader, we provide the industry's most comprehensive solutions, giving development and security teams unparalleled accuracy, coverage, visibility, and guidance to reduce risk across all components of modern software – including proprietary code, open source, APIs, and Infrastructure as code. Over 1,675 customers, including 45% of the Fortune 50, trust our security technology, expert research, and global services to securely optimize development at speed and scale. For more information, visit our [website](#), check out our [blog](#), or follow us on [LinkedIn](#).

## Checkmarx at a Glance

**1,675+**

Customers in 70 countries

**750**

Employees in 25 countries

**45%**

of the Fortune 50 are customers

**30+**

Languages & frameworks

**500k+**

KICS downloads in 2021



**The world runs on `code`. We secure it.**