Checkmarx Interactive Application Security Testing (CxIAST)

datasheet

In today's competitive world, the name of the game is time-to-market. Organizations are under increasing pressure to continuously deliver new and improved software. To win the race, nothing can get in the way of rapid releases. This need for speed has often led organizations to leave security behind, making them a frequent target for attack. As awareness of the threat grows, organizations are increasingly seeking out security testing tools that support this highly iterative release frequency.

Checkmarx Interactive Application Security Testing (CxIAST) is a dynamic and continuous security testing solution that detects vulnerabilities on a running application by leveraging existing functional testing activities. CxIAST was specifically designed to fit agile, DevOps and CI/CD processes. Unlike legacy Dynamic Application Security Testing (DAST) solutions, IAST does not introduce any delays to the software development lifecycle (SDLC).

CxIAST extends the Software Security platform to provide results correlation, greater vulnerability coverage and more intelligent remediation, ultimately improving time-to-market without compromising security.

CxIAST unique value:

Industry's only IAST to Fully Integrate with a Best-of-Breed SAST Solution: The integration between CxIAST and CxSAST provides meaningful correlations that increase confidence levels in vulnerability findings and enables quicker remediation

Ease of Customization: CxIAST is the only IAST in the industry to offer custom query creation and tuning for optimized results

Developer-Oriented: Unlike other IAST solutions, CxIAST offers the full source code of vulnerabilities to help developers quickly remediate the problem

Zero-Scan Time: Leverages any functional testing, eliminating the need for separate security testing

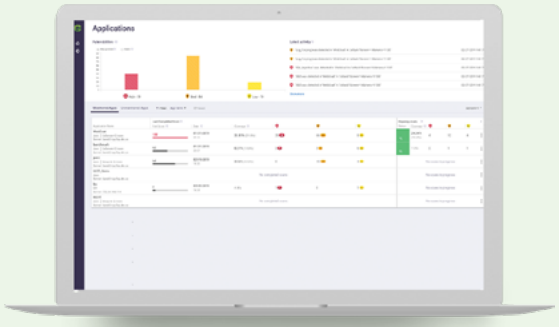
Real-Time Feedback: Provides results immediately upon detection

Analyzes the Entire Application: Inspects custom code, libraries, frameworks, configuration files, and runtime data flow

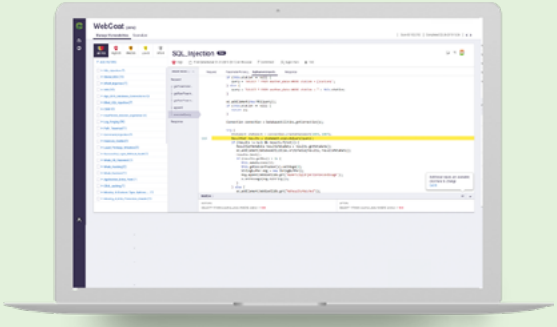
Deploy Once and Let it Run: No operational overhead

Flexible Deployment Option: On premises in a private data center or hosted in a private tenant in AWS or as a Docker container

CxIAST Application Dashboard



CxIAST Project View



Optimize your remediation efforts at scale

CxIAST is the only IAST product in the market that is fully integrated with a best in breed SAST solution. Data and results are correlated across the two products, enabling more rapid remediation than a stand-alone IAST product. The code-level insight produced by SAST, combined with the run-time knowledge coming from IAST, provides developers with a better understanding of where to fix the problem.

Automate security testing using your existing processes

CxIAST relieves organizations from having to carry out dedicated security testing on running applications. A non-intrusive agent transparently integrates into the testing environment to continuously monitor and collect application activity. Once functional testing is over, the security "scan" is also completed.

Deliver security as fast as applications change

CxIAST is built for DevOps, seamlessly fitting QA automation or CI/CD pipelines. The detection of vulnerabilities on running applications is automated to support application portfolios of virtually any size.

Complete your AppSec testing portfolio

CxIAST fills a critical layer in your application security portfolio. While static analysis and software composition analysis ensure that you have scanned all home-grown code and third-party open source libraries, there are still certain flaws that can only be detected on a running application. CxIAST seals your SDLC with a security "stamp" without interrupting your existing DevOps and CI/CD workflows.

Supported Languages

Vulnerability Coverage

CxIAST detects input related and application vulnerabilities, including the OWASP Top Ten and more.

- SQL Injection
- XSS Injection
- OS Command Injection
- Path Traversal
- XPath Injection
- Parameter Tampering
- Open Redirect
- Trust Boundary Violation
- Cross-Site Request Forgery
- Sensitive Data Leakage
- And more...

Software = Security

About Checkmarx

Checkmarx makes software security essential infrastructure, setting a new standard that's powerful enough to address today's and tomorrow's cyber risks. Checkmarx delivers the industry's only comprehensive, unified software security platform that tightly integrates SAST, SCA, IAST and AppSec Awareness to embed security into every stage of the CI/CD pipeline and minimize software exposure. Over 1,400 organizations around the globe trust Checkmarx to accelerate secure software delivery, including more than 40 percent of the Fortune 100 and large government agencies. Learn more at Checkmarx.com