



Checkmarx Static Application Security Testing (SAST)



datasheet

+ Software Security is Now a Boardroom Issue

In the early years of software development, you would often design it, build it, and only then think about how to secure it.

This was arguably fine in the days of monolithic applications and closed networks, when good perimeter-based protection and effective identity and access management would get you a long way towards minimizing the risk. Today software is everywhere – in our mobiles, in our computers and in our homes and our cars. When software is everywhere, everything becomes an attack surface.

Add to it the iterative ‘DevOps-style’ delivery and ever-faster release cycles, and many understandably realize that security must be inseparable from development and delivery process.

CxSAST is an enterprise-grade solution which provides a high-speed, fully-automated, flexible and accurate static analysis solution used to identify hundred of security vulnerabilities in custom code components. These vulnerability findings are comprehensive, highly accurate, and prioritized according to their severity, thus providing guidance on what should be remediated first. CxFlow (Checkmarx’s powerful orchestration module) enriches CxSAST with advanced automation capabilities, enabling organizations to improve the security of their software without interrupting developer workflows.

It is used by development, DevOps, and security teams to scan source code early in the SDLC across over 25 coding and scripting languages.

+ Checkmarx SAST Unique Values:



Advanced Automation

Tightly integrates with common software release orchestration and agile planning tools. such as IDEs, build management servers, bug tracking tools, and source repositories to automatically enforce security policies.



The Right Choice for Agile and CI Teams

CxSAST incremental scanning capability analyzes only modified or newly introduced code, reducing scan times by up to 80%, and integrating with CI servers to automate security testing.



Find Vulnerabilities Sooner

CxSAST scans uncompiled code and doesn’t require a complete build. No dependency configurations and no learning curve when switching languages.



Integrates with Your Workflow

CxSAST enables automated scanning earlier in the code management process by integrating directly into source control management (SCM) systems and CI/CD tools, providing end-to-end automation from scanning to ticketing.



Accelerate Time to Remediation

Allow developers to fix multiple vulnerabilities at a single point in the code using our unique “Best Fix Location” algorithm.



Complete Understanding of Identified Vulnerabilities

With Checkmarx, you can view the reasoning and proof of all scan results to understand the root cause of vulnerabilities. You aren’t limited to the rules everyone else uses. Checkmarx Open Query language allows organisations to have complete control of the intellectual research behind CxSAST.

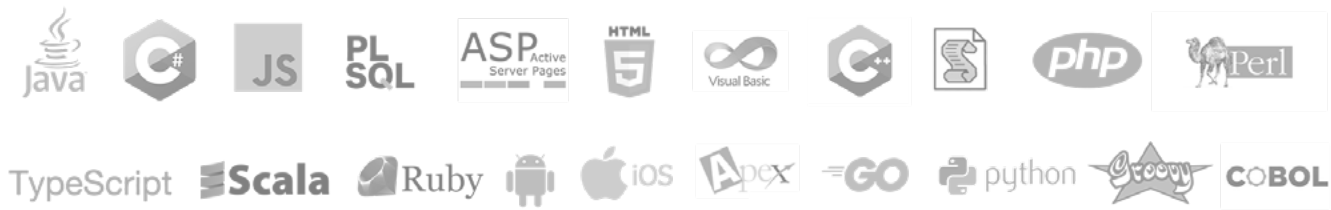


Better Together

CxSAST is at the heart of Checkmarx’s comprehensive software security solutions suite. Cross-product synergies and integrations, enable greater coverage, cleaner results, and more-intelligent prioritization and remediation.



+ **Supporting Coding Languages**



+ **Comply with Regulatory Standards**

Regulatory standards such as PCI-DSS, HIPAA, FISMA and others, require organizations to test for common vulnerabilities like those found in the OWASP Top 10 and the SANS Top 25. CxSAST finds these and more. Plus, with unique query language, you can easily create your own security policy consisting of the vulnerabilities most important to your industry and organization.



+ **Flexible Deployment Options**

CxSAST is available as a standalone product and can be effectively integrated into the Software Development Lifecycle (SDLC) to streamline detection and remediation. CxSAST can be deployed in a private data center or hosted via a public cloud.

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](https://www.checkmarx.com)