



# 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.

Cx SAST is an enterprise-grade offering which provides a high-speed and fully-automated & flexible and accurate static analysis solution used to identify hundreds of security vulnerabilities in custom code components. These vulnerability findings are comprehensive and highly accurate and prioritized according to their severity, thus providing guidance on what should be remediated first.

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:



### Ease of Automation

Seamlessly integrates with all IDEs, build management servers, bug tracking tools and source repositories to automatically enforce a security policy



### Actionable Insights

Using machine learning algorithm, to not only have reduce the noise (FP) and increase the confidence in the findings but also to get developers to focus on what's important.



### Find Vulnerabilities Sooner

Cx SAST scans uncompiled code and doesn't require complete build. No dependency configurations and no learning curve when switch languages!



### Accelerate Time to Remediation

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



### Manage Security Risk at Scale

Empower teams to set and use policies to govern application security, enforce them through build-tool integrations and manage remediation efforts through IT workflow support.



### Better Together

Cx SAST is at the heart of Checkmarx software security platform, integrating with each and every product in the

platform as well as with the overarching management and orchestration layer. These unique integrations allow for greater coverage, "cleaner" results, and more intelligent prioritization and remediation.



### The Right Choice for Agile and CI Teams

In Continuous Integration and Agile environments, security must be integrated into the development process. Other static analysis solutions don't fit well due to their lengthy scan times. Cx SAST solves this by using incremental scanning to analyse only newly introduced or modified code, reducing scanning time by up to 80%, and integrates with CI Servers to automate security testing.



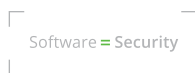
### Integrates with Your Workflow

No two development environments are exactly the same, and testing solutions need to be flexible to accommodate how you work. Checkmarx SAST integrates with CI and build servers, bug tracking solutions, and source repositories.

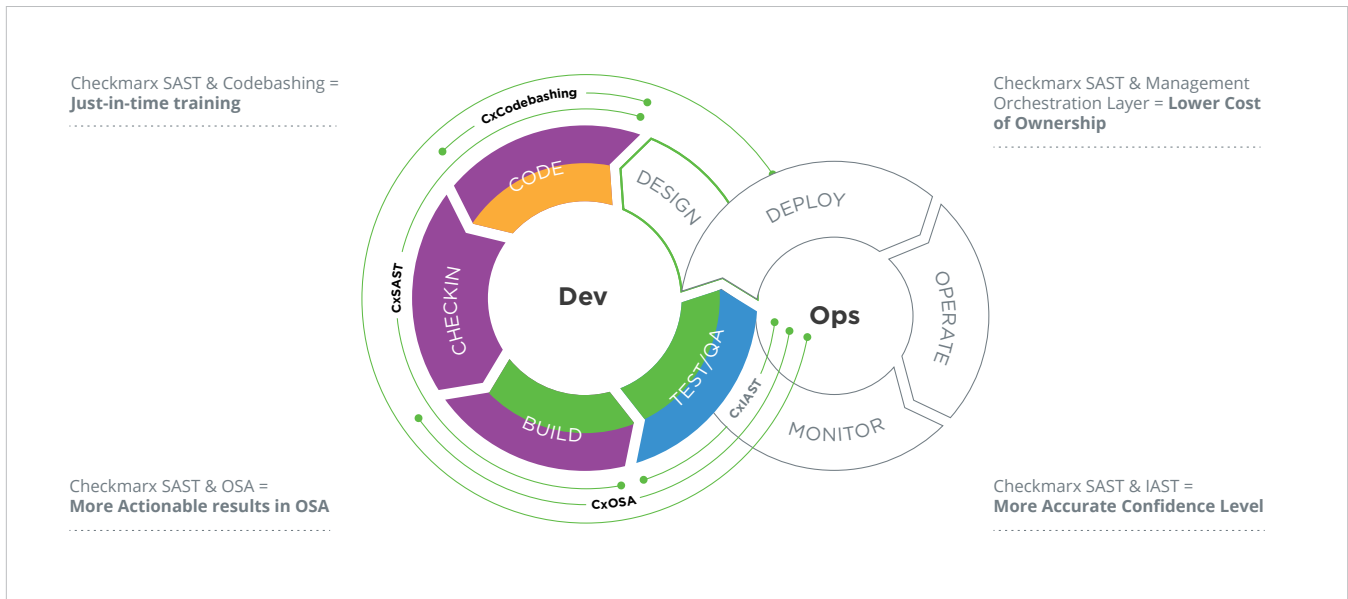


### Complete Understanding of Identified Vulnerabilities

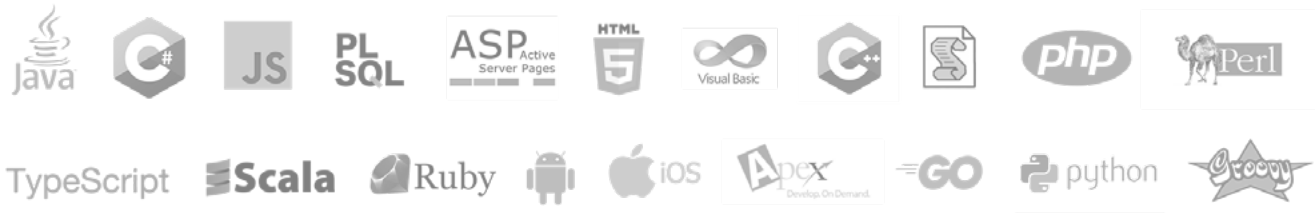
With Checkmarx, you can view the reasoning and proof of all scan results to understand the root cause of vulnerabilities. You aren't limited to the rules everyone else uses. Checkmarx Open Query language allows organisations to have complete control of the intellectual research behind Cx SAST.



[www.checkmarx.com](http://www.checkmarx.com)



+ **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://checkmarx.com)