CxSAST
Static Application Security Testing

The Application is the New Perimeter

The cyberthreats to organizations take many forms, but attacks against software are the number one threat. Gone are the days when organizations could rely on perimeter defenses like firewalls to protect their sensitive data. Today, web applications are the new perimeter, and addressing Software Exposure is a top requirement for security, and a high priority issue in boardrooms.

Checkmarx CxSAST is part of the Checkmarx Software Exposure Platform addressing software security risk across the entire SDLC. CxSAST is a flexible and accurate static analysis solution used to identify hundreds of types of security vulnerabilities in both custom code and open source components. It is used by development, DevOps, and security teams to scan source code early in the SDLC across over 25 coding and scripting languages.

Why CxSAST

Unlike other SAST solutions, CxSAST provides the ability to eliminate vulnerabilities early in the SDLC. Integrations with build tools, Continuous Integration servers, IDEs, bug tracking solutions, and other development tools allows CxSAST to adapt to your existing software development lifecycle.

Pinpoint Accuracy for Remediation
CxSAST understands your software and how data moves through an application. Its "Best Fix Location" algorithm automatically highlights the best place to remediate issues, allowing developers to fix multiple vulnerabilities at a single point in the code.

Find Vulnerabilities Sooner
Unlike some static analysis offerings CxSAST scans uncompiled code and doesn't require a completed build. No dependency configurations – no learning curve when switching languages. It even works from the developers' IDE. This allows organizations to use CxSAST earlier in the software development lifecycle, when it is far less expensive and time consuming to fix coding errors.

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. Checkmarx CxSAST solves this by using **incremental scanning** to analyze 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 CxSAST 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 the vulnerabilities. You aren't limited to the rules everyone else uses. Checkmarx Open Query language allows organizations to have complete control of the intellectual research behind CxSAST.

Supported Coding Languages

Java   JS   PL SQL   Visual Basic   JSP   Ruby   .NET Core   Microsoft ASP.net

TypeScript   Scala   Android   C++   php   Perl   Groovy   Windows Mobile

Objective-C   Apple   C#.net Microsoft   Apex   GO   python   VBScript   HTML5   Microsoft .net

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 open query language, you can easily create your own security policy consisting of the vulnerabilities most important to your industry and organization.

Supported Standards

OWASP TOP 10 2013   OWASP MOBILE TOP 10   SANS SANA 25   HIPAA   CWE MITRE CWE   FISMA   PCI DSS Certified   MISRA   BSIMM

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 on-premise in a private data center or hosted via a public cloud.

About Checkmarx

Checkmarx is the Software Exposure Platform for the enterprise. Over 1,400 organizations around the globe rely on Checkmarx to measure and manage software risk at the speed of DevOps. Checkmarx serves five of the world's top 10 software vendors, four of the top American banks, and many government organizations and Fortune 500 enterprises, including SAP, Samsung, and Salesforce.com. Learn more at Checkmarx.com or follow us on Twitter: @checkmarx.