# STAT!
Easy static source code security and quality analysis, from **CodeDx**
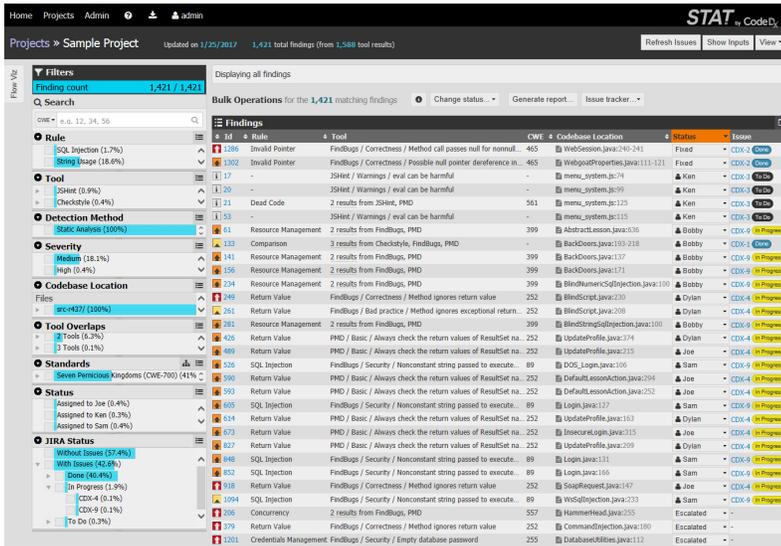
FACT SHEET

# Find, prioritize, and manage source code flaws and vulnerabilities, *quickly* and *affordably*



**Stat!**, from Code Dx, helps you find, analyze, and prioritize flaws and security vulnerabilities in the code you write—in the many languages you use—quickly, easily, and inexpensively. Stat! installs, configures, and runs a growing portfolio of open source code-quality and static application security testing (SAST) tools against your code, and combines their findings into a single unified report. Its Vulnerability Analysis and Management console guides inspection and assessment of those flaws and vulnerabilities, while collaboration features and development tool integrations help manage their remediation. Make your code healthy and secure, with Stat!

**THE PROBLEM** Over 90% of computer security incidents are due to quality flaws and security vulnerabilities in your own software. These can render your business vulnerable to attacks—things like SQL injection, or cross-site scripting—leading to theft, loss or corruption of data (and reputation), and worse. SAST tools can help you find these flaws and vulnerabilities at the most basic level: in your source code. But no single tool covers all programming languages or finds every issue. You have to run *multiple* tools, then correlate the results. Commercial tools are typically costly, and while open source tools are "free," they still require considerable time and effort to configure and run. Correlation is tedious, at best, and it's nearly impossible to manage multiple analysis tools without help.

**THE SOLUTION** Stat! installs, configures, and runs a suite of multi-language open source SAST tools against your code, and automatically correlates the flaws and vulnerabilities they find into a single consolidated set. Just feed your code into Stat! and it identifies the languages you use, selects and runs tools for each language, correlates the findings, and gives a single report. It even determines the vulnerability status of third-party libraries your code uses. With its interactive Vulnerability Analysis and Management console, Stat! lets those many tools work together as a single, unified code analysis and vulnerability management platform.

## KEY BENEFITS

**We do the hard work for you**
- Automatically installs, configures, and runs a variety of open source tools
- Supports many programming languages, and chooses the right tool for each language
- Combines diverse tool results into a single, coherent report
- Determines vulnerability status of the third-party libraries that you use

**Analysis tools help you focus**
- Identifies the most-critical vulnerabilities based on industry standards
- Visual analytics help you rapidly triage and prioritize software flaws and vulnerabilities
- De-duplicates results, so you don't waste time analyzing things twice

**Increases efficiency of your remediation**
- Takes you directly to specific lines of code where vulnerabilities exist, and identifies neighboring flaws and vulnerabilities
- Provides seamless interface to assign vulnerabilities for remediation
- Tracks remediation progress

**Enhances collaboration among your teams**
- Security and development teams have a shared tool to communicate findings and discuss remediation

**Works within your development process**
- Developers can view and manage vulnerabilities directly from within their integrated development environments (IDEs)
- Fits into continuous integration environments, giving you continuous security assessment
- Integrates with version control systems and issue tracking systems

**Easy to get started**
- Fast and easy installation—be up and running in 10 minutes
- Automatically installs, configures, and runs bundled open source SAST tools
- Affordably priced

**Who finds *Stat!* useful?**
- Software Developers
- Security Analysts
- Software Testers
- Quality Assurance Analysts

**How do they use it?**
- Secure software development
- Security & Quality Assurance reviews
- Verification & Accreditation support
- Code audits
- Pre-procurement software evaluations

## Get your application security program started, *STAT!*

Stat! gives you the power to start writing secure applications quickly, efficiently, and inexpensively. Launch the installer, and within ten minutes you'll be ready to start analyzing your code. Then just load all of your source code into Stat! and it will figure out what programming languages you use, automatically select and run the appropriate tools for finding flaws and vulnerabilities in those languages, review your third-party libraries for known vulnerability state, then correlate and combine those varied results into a single, unified report on the security and quality of your code.

The included analysis tools will help you quickly prioritize the reported problems, and its integration with software development life cycle (SDLC) tools lets you assign them for remediation and collaborate with the developers who are making the fixes. Stat! can even become part of your continuous integration process.

## KEY FEATURES

- Covers multiple programming languages, with over 1,500 configurable security and quality rules
- Automatically installs, configures, and runs many static code analysis tools
- Checks third-party software component libraries for known vulnerabilities
- Maps results to the Common Weakness Enumeration (CWE) and industry standards, including OWASP Top 10 and SANS Top 25
- Combines and normalizes output of multiple SAST tools and third-party vulnerability scanners into a single set of results using common nomenclature and a common severity scale
- Merges duplicate results with customizable correlation logic
- Aids triage and prioritization of findings with visual analysis
- Filters findings for high-level views with detailed drill-down; organizes findings
- Links correlated flaws and vulnerabilities to specific lines of source code
- Manages remediation with tools to assign, track, and collaborate on fixes; integrates with the popular JIRA issue tracker to automatically create tickets
- Integrates with popular development tools (Eclipse/Visual Studio) to put findings into the hands of developers who can fix them
- Integrates with the Git version control system for easy access to your code, and its history
- Embeds in the Jenkins continuous integration environment to build security into your process; enables integration to other build servers with its REST API
- Generates CSV, XML, and PDF assessment reports

## Specifications

**Code Dx Stat!** can be installed locally on a developer's workstation, or on a server for group collaboration. To give you the greatest flexibility Stat! runs on Windows, Linux, and MacOS, and supports all modern browsers.

## About Code Dx, Inc.

Code Dx is committed to making security part of the software development process, regardless of organization size. Our family of products grew from research funded by the Department of Homeland Security Science & Technology (DHS S&T) Directorate, an organization dedicated to securing the nation's software supply chain.

Code Dx is proud to be a part of the DHS S&T Software Assurance Marketplace (SWAMP), a collaborative marketplace for continuous software assurance.

## FEATURE DETAILS

**Operating system support**

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| Windows (7, 8, 10 & Server 2012 R2+) |
| Mac OS X 10.8+ |
| Linux (Ubuntu, Fedora, Debian, RHEL, and CentOS) |

**Language support**

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|---|---|
| C / C++ | C#, VB.NET |
| Java | Javascript |
| JSP | PHP |
| Python | Ruby |
| Scala | |

**Free & open source SAST tool support**

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| Brakeman | CAT.NET |
| PHPMD | PHP_CodeSniffer |
| CheckStyle | CppCheck |
| FindBugs | FxCop |
| Gendarme | JSHint |
| PMD | Pylint |
| ScalaStyle | |

**Third-party software library checkers**

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| OWASP Dependency-Check |
| Retire.js |

**IDE support**

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| MS Visual Studio |
| Eclipse |

**Issue tracking support**

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| JIRA |

**Continuous integration support**

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| Jenkins |
| REST API |

**Version control system support**

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| Git |

## LEARN MORE

Learn more about Stat!, download an evaluation, or purchase the product by visiting our web site. Explore other products, including Code Dx Enterprise—a comprehensive platform for application vulnerability correlation and management. Enterprise supports commercial and open source tools, both SAST (with all the features of Stat!) and dynamic (DAST) tools, compliance standard mapping, and much more.

**Code Dx**

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