

# Sparrow **SAST** / **SAQT**

## A Smart & Secure DevSecOps

Sparrow SAST/SAQT efficiently detects and resolves security vulnerabilities and quality issues within source code. By automating semantic-based testing, it frees up developers' time for critical tasks, ensuring that code is thoroughly reviewed and fixed before release.



Comprehensive  
Language  
Coverage



Practical  
Management  
Options



On-Premises  
and Cloud



Auto-Tracking

Features over 2,300 security and quality rules for 25+ languages, frameworks, and Infrastructure-as-Code (IaC), including C, C++, Java, JSP, C#, XML, ASP.NET, JavaScript, Objective-C, HTML, SQL, Python, Swift, Kotlin, and Lua. Sparrow SAST ensures compliance with key international security standards.

Sparrow SAST/SAQT delivers in-depth analysis and remediation recommendations for identified security and quality issues. It offers comprehensive management features, including checkers management, issues tracking, and user role or permission control. All these features are accessible through a convenient web interface.

Sparrow SAST/SAQT is available as an on-premises solution, a cloud-based SaaS offering, or an API. Customers can select the deployment option that best suits their application development environment.

Sparrow SAST/SAQT automatically scans application for security vulnerabilities and quality issues, and tracks changes in their status, and helps users to efficiently manage similar issues.

# Sparrow SAST / SAQT

## ► Features

- Supports 25+ languages: C/C++, Java, JSP, C#, Rust, Go, PHP, Python, Swift, Visualforce, Android Java, Objective-C, HTML, SQL, ABAP, ASP.NET, VB.NET, JavaScript, Lua, VBScript, TypeScript, Kotlin, Dart, Pro-C, XML
- Plugins for Eclipse, IntelliJ, Visual Studio, Android Studio, Eclipse Based Tool (IBM RAD), Proframe Studio, Visual Studio Code
- Checks major security and quality references.
- Tracks and manages vulnerabilities with Issue Navigator.
- Provides automated correction guides with Active Suggestion.
- Supports customized reports (PDF, Word, Excel, CSV).

## About Us

Since 2007, Sparrow Co. Ltd., has been developing comprehensive software security solutions based on its exclusive technical knowledge. Our products consist of complete packages about application security testing solutions to implement a smart and secure DevSecOps. Our group of experts provides fully managed both on-premises and cloud-based tools to carry out a perfect SDLC.

**SPARROW**

## ► Supported Environments

### Operating System

- Windows 11, Rocky 9

### Framework

- iBatis 3.0, MiPlatform 3.3, MyBatis 3.3, Nexacro 14, Node.js 14.0, Proframe, React, Spring Framework 3, Struts Framework 4.0, Vue.js 2, 3, XPlatform 3, 9.2

### Plugin

- Android Studio 2020.3.1.25, 4.0, 4.11
- Proframe Studio 4.0, 5.0
- Visual Studio 2013, 2015, 2017, 2019, 2022
- Visual Studio Code 1.62.2, 1.83.1
- IntelliJ 20.1, 20.2, 21.2, 21.3, 22.1, 22.3, 23.1, 23.2
- Eclipse Luna, Kepler, 2020-06, 2021-09, 2022-06, 2023-09, 2023-12

## System Requirements

|     | Server           | Client                     |
|-----|------------------|----------------------------|
| CPU | Quad Core 2.5GHz | Quad Core 2.5GHz or higher |
| RAM | 32GB or higher   | 2GB or higher              |
| HDD | 500GB or higher  | 100GB or higher            |

## Supported Reference

| .NET                         |   |
|------------------------------|---|
| T Framework Design Guideline | HIC++ 2.2   |
| BSSC C/C++ 2000              | HIS 1.0.3   |
| CERT-C/C++                   | IEC 61508-Exida C/C++                                       |
| CERT-JAVA                    | ISO 26262   |
| CWE                          | JPL   |
| CWE 658 List                 | MISRA-C++:2008  |
| CWE 659 List                 | MISRA-C:1998  |
| CWE 660 List                 | MISRA-C:2004  |
| MISRA-C:2012 (Amend. 2, 3)   | Code Conventions for the Java Programming Language (Oracle) |
| MSDN C#:2015                 | PCI DSS   |
| OWASP 2017, 2021             | Visual Studio 2015 Code Warnings                            |
| CERT-C/C++ 2016 Edition      | Rust ANSSI guide v1.0                                       |

|   | On-Premises | Cloud  |
|---|-------------|--|
| Static Application Security Testing         | O           | O  |
| Static Application Quality Testing          | O           | O  |
| Dashboard                                   | O           | O  |
| Correction Guide (Active Suggestion)        | O           | O  |
| C/C++ Analysis                              | O           | O<br><small>(Only with default compiler)</small> |
| Customizable Report (PDF, Excel, CSV, Word) | O           | Not customizable                                 |
| International Compliance Reference          | O           | O  |
| Non-Compiled Language Analysis              | O           | O  |
| Incremental Analysis                        | O           | X  |
| User Role & Permission                      | O           | X  |
| IDE Integration                             | O           | X  |
| CLI / Batch Analysis                        | O           | X  |
| Customizable Checker Group                  | O           | X  |
| Compatible with LDAP / Redmine / Jira       | O           | X  |

