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

Features over 2,300 security and quality checkers for 26 languages, including C, C++, Java, TypeScript, Go, Rust, Dart, Kotlin, Lua, C# and Python. Sparrow SAST/SAQT ensures compliances with global security and quality standards.

Practical Management Options

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.

On-Premises and Cloud

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.

Auto−Tracking

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

Features

- Supports 26 languages: C/C++, Java, JSP, C#, Rust, Go, PHP, Python, Swift, Apex, Visualforce, Android Java, Objective-C, HTML, SQL, ABAP, ASP.NET, VB.NET, JavaScript, Lua, VBScript, XSL, 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

- Server : Windows 10 or later
  CentOS 7 or later
- Client : Windows 10 or later
  CentOS 7 or later
  MacOS 11.7.10 or later

System Requirements

	Server	Client
CPU	Quad Core 2.5GHz	Dual Core 2GHz
RAM	16GB	2GB
HDD	300GB	3 GB + (2x amount of testing codes)

Framework

- Spring Framework, IBATIS, MYBATIS, Struts2, Vue.js, React, Node.js Tmax Proframe, ASP.NET MVC, MiPlatform, XPlatform, Nexacro, Websquare, W-Hybrid, Proworks5, Systemier, DevOn

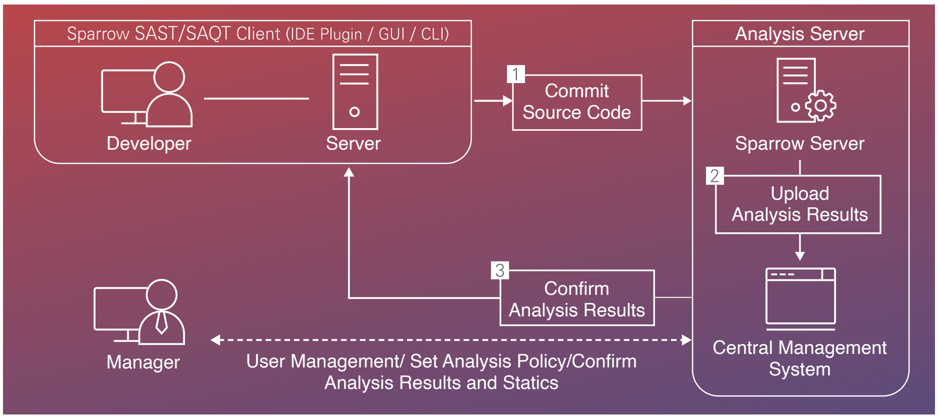
Supported Reference

.NET 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

Plugin

- Eclipse Kepler, Luna, 2021-9, 2024-9
  Visual Studio 2010~2023
  Visual Studio Code 1.62.2
  IntelliJ 20.1.2 ~ 24.1.4
  Android Studio 4.0, 4.1.1, 2024.1.1

	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 (Only with default compiler)
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


Sparrow SAST/SAQT Client (IDE Plugin / GUI / CLI)
Developer
Server
1
Commit Source Code
Analysis Server
Sparrow Server
2
Upload Analysis Results
3
Confirm Analysis Results
Central Management System
Manager
User Management/ Set Analysis Policy/Confirm Analysis Results and Statics