Security {Reviewer}

Portal

Quality

Code
Inspection

Security Reviewer Suite

Security Reviewer
Dynamic Reviewer
Firmware Reviewer
Team Reviewer
Effort Estimation
Mobile

Multi-Language Code Analysis

Security Reviewer Suite

Security Reviewer is a Static and Dynamic Analysis toolset for all kind of apps (Mobile Android and iOS included) to support quality and secure code inspection, including software Metrics measurement, SQALE-based quality management solutions, Effort Estimation and Firmware Analysis

❑ Features

- **SAST** (Static Analysis) Works on un-compiled source code, with 40+ programming languages support, and catches problems that other suites miss. More importantly, provides defects detection earlier in the development cycle, when they are easier and less expensive to fix, with almost **Zero False Positives**.

- **Quality metrics** measurement and Application Portfolio Evaluation (100+ metrics like McCabe® complexity, Size and structure Metrics, Halstead Metrics, SEI maintainability, CK/Mood Metrics, Effort Estimation)

- **Software Resilience Analysis** (SRA) provides the assessment of: a) Non-Conformance to application resiliency standards and best practices b) Security and Privacy issues c) Scalability d) Risk to your business due to application failures

- **Software Composition Analysis** (SCA) provides a comprehensive management and reporting about frameworks and libraries dependencies, both by legal and security point-of-view

- **DAST** (Dynamic Analysis) Distributed Lightweight Pen-Test directly from you Browser

- **Mobile Analysis** Further to provide main Mobile languages Static Analysis, it provides Mobile App assessment starting from binary (apk, ipa and appx). No need of physical device

- **Firmware Analysis** from a Firmware image detects the vulnerabilities and possible exploit. No need of physical device

- **Vulnerability Management** & Tracking (SAST, SCA and DAST integration) with **Team Reviewer**. Support of 20+ third party tools

- Enhanced **Risk Indicators** integrated defect analysis reports (1000+ effective security and dead code rules). What-if Analysis. **SQALE** Risk Index. **Technical Debt**. Quality Index. Confidence Factor, **ISO 5055**, **Green** Software, **Cloud Readiness**. See: www.sqale.org/tools
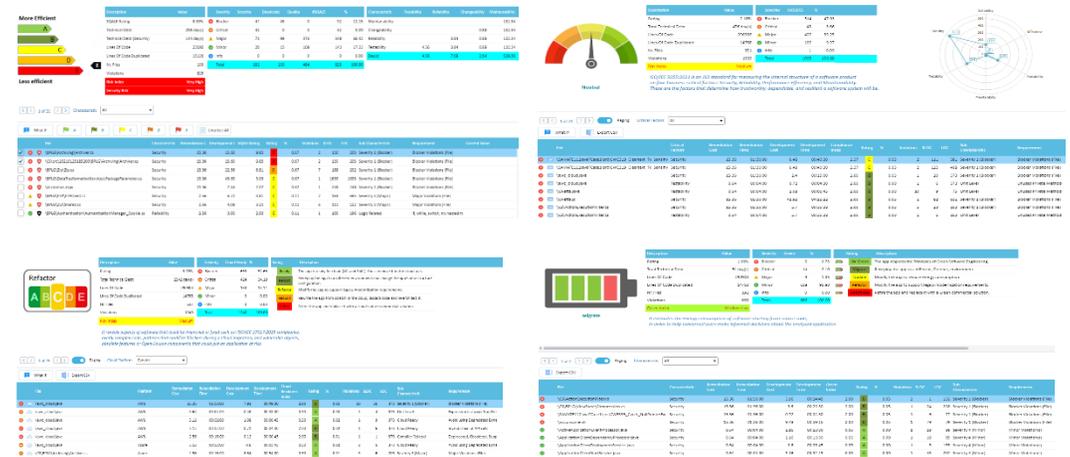
Compliance

Each vulnerability detected, is classified using OWASP Top 10 2021, Mobile OWASP Top 10 2016, PCI-DSS 3.2.1, WASC, MISRA, CVSS v3.1, CVE and CWE compliance standards:

❑ Platform and System Requirements

- Windows 10 or higher. Windows 2008 SR2 or higher, Linux, MacOS.
- .NET Core 5
- At least 4GB RAM or minimum RAM required by Host System
- 1GB of free C: disk space during running

❑ Licensing and IDE

- Server License. Concurrent users with RESTFul API Server. (Yearly subscription)
- Desktop license (Yearly subscription)
- DevOps (Jenkins, GitLab, Azure DevOps, Amazon AWS, Ant, Maven, Gradle, etc.)
- Firmware Reviewer (Cloud subscription)
- Effort Estimation add-in, Software Composition Analysis (Yearly subscription)
- Enterprise License. Includes Eclipse, IBM Rational Team Concert, MS Visual Studio