



DEVELOP BUSINESS- READY APPLICATIONS IN TOTAL CONFIDENCE

Mendix Quality and Security Management |
Powered by Sigrid®

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FOCUS YOUR RESOURCES ON YOUR BUSINESS DEVELOPMENT

Keep software development velocity high

The Mendix platform for applications development unlocks a new potential of citizen developers allowing companies to improve time to market with brand-new innovations faster. However, citizen developers aren't trained developers with the knowledge of clean, secure code guidelines.

How to **keep control** on what's being developed **without slowing down the speed of development?**

Software build quality and security

The only way to develop **sustainable applications you can truly rely on** is to **never compromise on software quality and security**. To keep development velocity high, (citizen) software development teams need **short feedback loops** on the build quality (maintainability) and security of the applications they're building. While management needs an overview of the **software quality and security on portfolio level enabling them to keep control and oversight**.

Transparency and visibility across all enterprise applications

Mendix Quality & Security Management (QSM) | powered by Sigrid is an integration of the Mendix low-code development environment. QSM is based on Sigrid, the leading software assurance platform for top-notch build quality and security monitoring of your Mendix applications and includes a **Mendix approved ruleset for detecting common Mendix security misconfigurations and best practice violations.**

The Mendix QSM dashboard provides management, quality assurance teams and software security experts visibility across all enterprise applications, while allowing them to drill deeper into problem areas. And for software developers, there's a continuous integration with their development environment available.

Mendix QSM offers you:

- ✓ Fast, clean, and secure (citizen) software development
- ✓ Improved time to market
- ✓ A governance structure to manage software build quality and security
- ✓ Efficient support of your business performance
- ✓ Guaranteed fully effective applications for your developers, now and throughout its use

BENEFITS & FEATURES

**Complete overview of application landscape,
know where to focus your attention**

With Mendix QSM, you're able to see the quality rating and get continuous security insights of every application in your portfolio. Compare performance and see which applications need attention. Management is enabled to build a governance structure to ensure all Mendix applications in production have a certain level of build quality.

Benchmark against the world's largest database to measure your build quality performance

The application models in Mendix QSM have been mapped by SIG experts on the ISO 25010 standard for software quality, measures key aspects of maintainability against a set of parameters, and benchmarks your application against the SIG database, the largest worldwide, to deliver a score of 1-5 stars giving you immediate insight into how your software stacks up against the market.

Continuous security insights to immediately address security risks

Scan your applications for misconfigurations based on 20+ best in class Static Code Analysis tools **including a Mendix approved ruleset for detecting common Mendix security misconfigurations and best practice violations.** Analyzing Mendix Model Implementation, Java / JavaScript SAST, vulnerabilities in Open Source (SCA), Software Bill of Material, and any libraries used, or other code found within your Mendix project. One single version of the truth presents a clear overview of the risks and vulnerabilities across the breadth and depth of your organization, **ranks for compliance**, and **recommends for risks mitigation.** Mendix QSM offers deep dive analysis, guidance to fix and prioritized recommendations.

Analyzing security weaknesses with Semgrep

Mendix QSM leverages Semgrep to analyze security weaknesses in Mendix Models - a fast, open-source static analysis tool for enforcing coding standards. In collaboration with Mendix, SIG and the Mendix community several rules have already been defined and are being expanded upon.

300+ technologies supported for complete in-depth analysis

Mendix QSM is powered by Sigrid®, the most comprehensive code quality and security tool available. Supporting over 300 technologies, from Cobol and PL/SQL via Java and .NET to Mendix, and much more. Whichever technology you're using - now and in the future - you can rely on Sigrid for your continuous maintainability and security monitoring.

Mendix QSM integrated with your build pipeline (using Sigrid CI)

For development teams that like to integrate Mendix QSM with their build pipeline for immediate feedback on any code submissions, Mendix QSM can be integrated with Azure DevOps, or other GIT-libraries to support your DevSecOps practises for Mendix development.



Sigrid® | Software Assurance Platform with a Service

Sigrid enables you to measure, evaluate and monitor your entire software landscape quality in every stage of its life cycle – whether you're buying, building, or operating applications. By exposing hidden risks and opportunities in your source code, Sigrid assures you full control over the performance of your software portfolio, continuously.

About Software Improvement Group

Software Improvement Group (SIG) helps organizations trust the technology they depend on. We've made it our mission to get software right for a healthier digital world by combining our intelligent technology with our human expertise to dig deep into the build quality of enterprise software and architecture - measuring, monitoring, and benchmarking it against the world's largest software analysis database.

With SIG software assurance, organizations can surface the factors driving software total cost of ownership and make fact-based decisions to cut costs, reduce risk, speed time to market, and accelerate digital transformation.

Software Improvement Group is the first fully certified laboratory in the world to measure against the ISO 25010 standard. We make this lab accessible to our clients through our SaaS software assurance platform - Sigrid - which enables them to take a risk-based approach to improving the health of their IT landscapes.

We serve clients spanning the globe in every industry, including DHL, Philips, ING, KLM, BTPN, Weltbild, KPN, as well as leading European governmental organizations.

SIG was founded in 2000 as an independent technology company with embedded consulting services. SIG is headquartered in Amsterdam, with offices in New York, Copenhagen, Antwerp and Frankfurt.

Learn more at www.softwareimprovementgroup.com.



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