klocwork

DATASHEET

Static Code Analysis for Medical Device Developers

Klocwork is a modern, Agile static code analyzer that automatically scans code for violations based on C, C++, C#, and Java. It was designed to scale to projects of any size and work effectively within the DevOps cycle. With it, development teams are able to detect defects earlier in development — when they're easier and less costly to fix.

The static analyzer runs while code is being written to ensure that errors and vulnerabilities are identified early, and that the code is compliant with coding standards — such as MISRA. And, Klocwork is independently certified by TÜV-SÜD for use in the development of safety-critical software. What's more, Klocwork can be used to achieve industry functional safety standards and certification — such as IEC 62304. This means that you are able to gain certification for your medical product.

CODE RELIABILITY AND QUALITY

Klocwork can improve the overall quality of your soft-ware. It identifies must-fix defects and provides detailed guidance to help developers fix issues in the source code. This is especially beneficial as it ensures that costly and time-consuming defects are addressed before the software is released. Additionally, Klocwork's analysis quality is high, as it finds the most critical software quality issues.

MONITOR PROGRESS AND QUALITY

Klocwork Quality Standard enables you to effectively monitor your code base. What's more, the feature provides an easy way to monitor, manage, and improve the reliability of your software projects. The feature has a built-in quality report that classifies software defects and identifies the areas of code most affected.

CODE SECURITY

Klocwork features built-in checkers that automatically examine your source code for hundreds of potential security vulnerabilities. What's more, the static code analyzer includes Klocwork Checker Studio that enables your development teams to quickly and easily create customized security checkers. Klocwork also features a built-in security reports based on the latest security standards to ensure that your code is safeguarded against potential vulnerabilities.

TRY KLOCWORK FREE

See how Klocwork can help you produce safe, reliable, and compliant medical device software.

Try a free trial of Klocwork today.

www.perforce.com/products/klocwork/free-trial