klocwork

PERFORCE

DATASHEET

Static Code Analysis For Automotive 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.

What's more, Klocwork runs while code is being written to ensure that it 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 — such as ISO 26262.

COMPLIANCE

Running static analysis is an important part of the process of developing safety-critical software. Klocwork can automatically inspect your code to enforce automotive security and quality standards and includes taxonomies to help you develop for MISRA, AUTOSAR, and CERT. Use Klocwork in your software development process to comply with ISO 26262 and IEC 61508 requirements. Static analysis is beneficial as it can ensure that all automotive software is safe, secure, and reliable.

RELIABILITY AND QUALITY

Klocwork can improve the overall quality of your software. 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.

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 automotive software. Try a free trial of Klocwork today.

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