klocwork

PERFORCE

DATASHEET

Continuous Static Code Analysis for C, C++, C#, and Java

WHY KLOCWORK?

Klocwork is a modern, Agile static code analyzer that automatically scans code for violations based on C and C++ coding rules. 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, and ensure that the code is safe, secure, and reliable from the start.

BENEFITS OF USING KLOCWORK

Improve Code 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. What's more, Klocwork finds all of the most critical software issues and provides a low false positive rate.

Accelerate Development

Klocwork integrates with build systems and continuous integration environments to accelerate development times by reducing bottlenecks. This enables development teams to identify defects earlier and more frequently — when they're easier and less costly to fix.
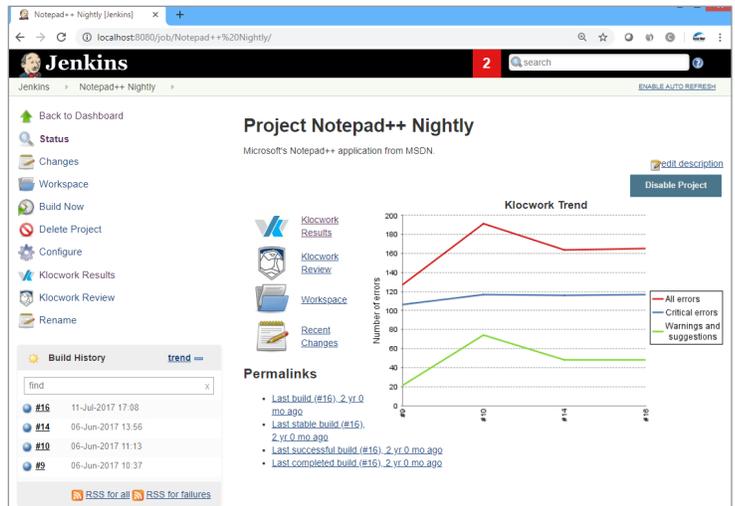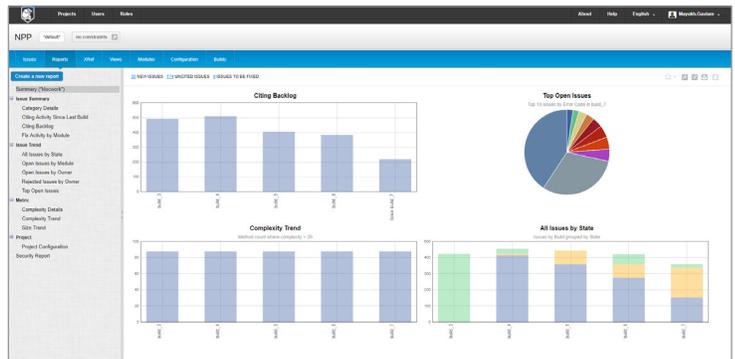
Eliminate Security Vulnerabilities

Klocwork features built-in checkers that automatically examines the source code for hundreds of potential security vulnerabilities. In addition, the static analyzer includes Klocwork Checker Studio that enables development teams to quickly and easily create customized security checkers. Klocwork also features built-in security reports based on the latest security standards — such as MISRA, CERT, CWE, DISA STIG, and OWASP — to ensure that the source code is safeguarded against potential vulnerabilities.

Monitor Code Quality with Reports and Metrics

Klocwork Quality Standard provides an easy way to monitor, manage, and improve the reliability of your software projects. The built-in quality report classifies software defects into categories, such as suspicious code practices, resource leaks, maintainability, and performance. What's more, the report will show you the trends, new issues, and areas of code with the most issues in these categories.

Prioritize and Address Issues Faster with SmartRank

Klocwork uses a sophisticated analysis to measure the complexity of code, detect any coding issues, and identify security vulnerabilities. SmartRank recommends which coding issues should be reviewed and fixed first. This enables development teams to accelerate productivity gains.

TRY KLOCWORK FREE

See how Klocwork can help you produce safe, reliable, and compliant software.
Try a free trial of Klocwork today.

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