HelixQAC

PERFORCE

What's New in Helix QAC 2019.1

Helix QAC is the most accurate static code analyzer for C and C++. It automatically scans code for violations and helps to ensure safe, secure, and reliable code from the start.

In addition, Helix QAC enables development teams to detect defects earlier in development — when they're easier and less costly to fix. What's more, the static code analyzer automatically enforces coding standards, which ensures your code is compliant.

Release Version	2019.1	2.4
Dataflow features and enhancements — including inter-thread, intra-thread, and tainted variable analysis	✓	✗
Capable of detecting potential concurrency defects, such as deadlock and data race	✓	✗
CERT compliance coverage updated to the most recent version	✓	✗
MISRA C and C++ improved compliance precision and accuracy coverage	✓	✗
Complete support for C++14 — enhancing AUTOSAR compliance coverage	✓	✗
Cross-module analysis	✓	✗
Desktop integration with the web dashboard (formerly QA Verify)	✓	✗
Searchable help feature	✓	✗
Command line (CLI)	✓	✗
CWE C++ compliance module, which identifies security weaknesses in code	✓	✓
IDE plug-in support for Eclipse Photon	✓	✓
Report analysis times per file	✓	✓
AUTOSAR C++ compliance coverage update	✓	✓

Release Version	2019.1	2.4
MISRA C compliance coverage update	✔	✔
CERT C/C++ compliance coverage update to include the 2016 edition	✔	✔
Parser support for C11 along with other more modern C++ features	✔	✔

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