HelixQAC
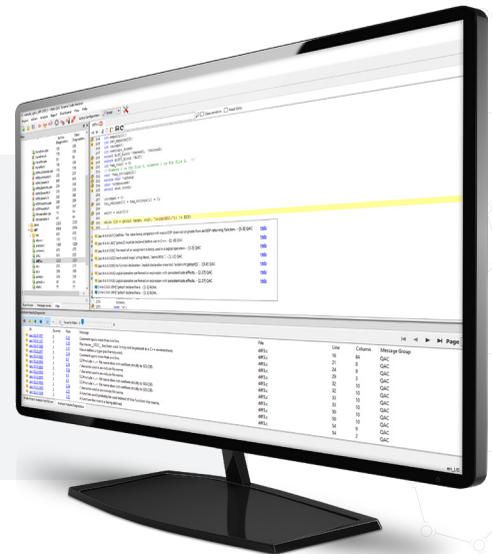
PERFORCE

Static Code Analysis For C and C++ Developers

Helix QAC is a static code analyzer that automatically scans code for violations (based on C and C++ coding rules). It enables development teams to detect defects earlier in development – when they're easier and less costly to fix. And Helix QAC automatically enforces coding standards, such as MISRA®, which ensures your code is compliant.

COMPLY WITH STANDARDS

Comply with coding and industry compliance standards. Helix QAC can automatically inspect your code. And it ensures that your code complies with the coding standard of your choice. Plus, the compliance report helps you visualize which parts of your code need the most attention. Helix QAC also includes compliance modules for several C and C++ coding standards. And it can be configured to support custom coding standards, too.

DETECT MORE DEFECTS (EARLIER)

Detect critical defects – not reported by compilers – early in development. Helix QAC builds an accurate model of the behavior of your software. And it tracks the value of variables in the code as they would be at run time. So, this analysis maximizes code coverage. And it minimizes false positives and false negatives. It even recognizes issues caused by overly complex code.
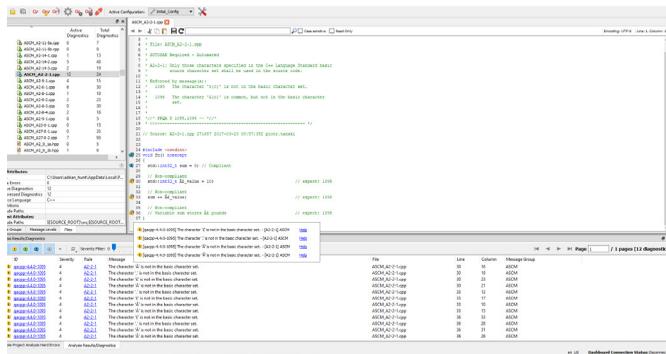
ADD COMPLIANCE MODULES

CERT · CWE · AUTOSAR · MISRA® · High Integrity C++ · JSFC++

Monitor code quality.

IMPROVE CODE QUALITY

Improve the overall quality and security of any application. Helix QAC identifies must-fix defects – and provides detailed guidance to help developers fix issues in source code. It does this without running programs. Because developers get instant contextual feedback, they'll learn from mistakes. And the next time they create new code (or review existing code), they'll improve.

COLLABORATE ON CODE INSPECTIONS

Collaborate on code inspections using Helix QAC's dashboard. You'll be able to comment on diagnostics found by Helix QAC and assign actions to users.
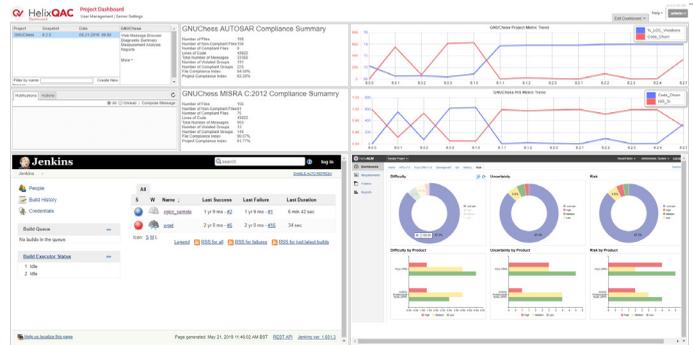

Keep an eye on code inspections and progress.

MONITOR OVERALL CODE QUALITY

Keep an eye on code quality with Helix QAC's dashboard. You'll be able to monitor your code quality metrics from one spot. So, you'll have visibility into trends over time. And you can even use the dashboard to create reports for our stakeholders.

SCALE TO MILLIONS OF LINE OF CODE

Scale static analysis to your environment. Helix QAC can handle millions of lines of code. This ensures that your product is safe, no matter how complex the codebase is.

REUSE CODE

Reuse code with confidence in its quality. Helix QAC detects code portability issues. So, you'll be able to reuse code that you trust. And that ill help you develop faster in the future.

ACCELERATE DEVELOPMENT

Accelerate development times by reducing bottlenecks. Helix QAC integrates with build systems and continuous integration environments. This enables you to identify defects early and often. So, you'll avoid errors that are more expensive to fix later in development. And it refocuses and accelerates existing code reviews. You can even configure Helix QAC to only analyze new changes – and provide feedback faster.

Try Helix QAC Free

See how Helix QAC helps you improve code quality and comply with coding standards. Try it free.

Visit perforce.com to try Helix QAC for C and C++ today.