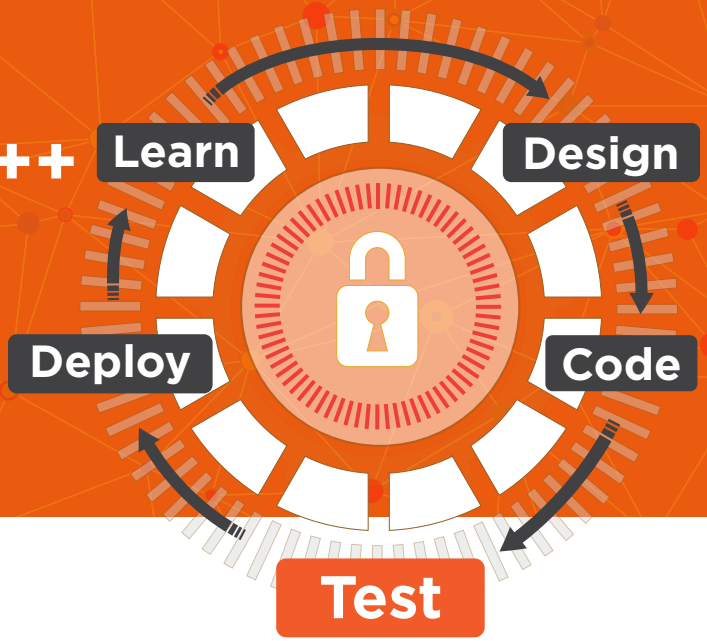
TRUST IN SOFT

TRUSTINSOFT ANALYZER FOR C/C++

EXHAUSTIVE SOURCE CODE ANALYSIS THAT MATHEMATICALLY PROVES SOFTWARE SECURITY AND SAFETY



FEATURES

Static analysis

Formal methods-based analysis

Exhaustive detection of Undefined Behavior

Root cause investigation

Powerful Control-flow and Data-flow analysis

Standards:

- MISRA

- CERT-C

- ISO 26262

BENEFITS

Keep the focus on real bugs & vulnerabilities: *The tool raises very few false alarms: alarms correspond to real bugs or vulnerabilities.*

Detect root cause: *TrustInSoft Analyzer provides hints to quickly find the root cause. Focus on relevant variables and track all relevant statements involved in the problem.*

Mathematical guarantee: *Conclusively obtain mathematical proof of the absence of undefined behaviors with no false negatives. Definitively prove that the code does exactly what it is supposed to do.*

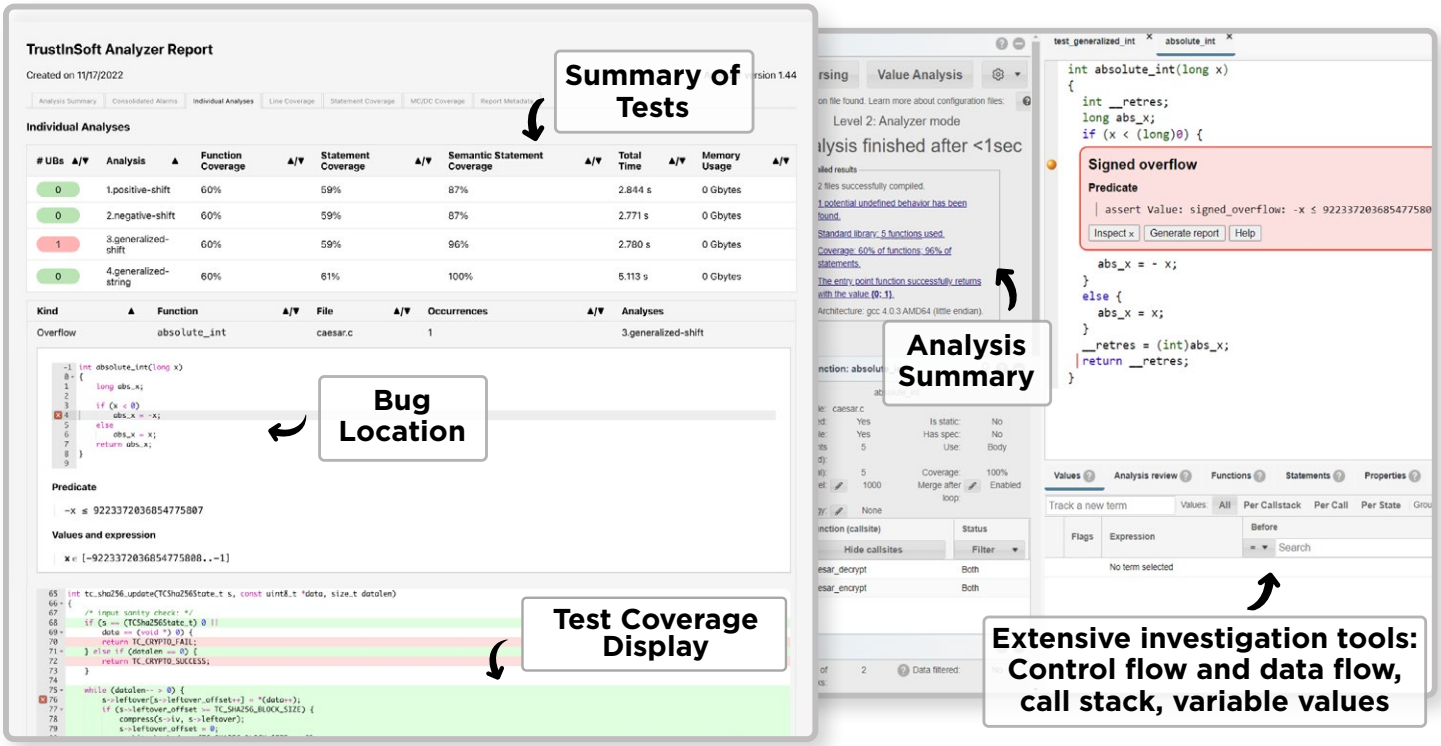
Generalization of test inputs: *Quickly create the equivalent of billions of tests by generalizing test inputs. Confidently achieve up to 100% code coverage quickly.*

Hardware-aware analysis: *Methodically employ analysis that considers hardware characteristics to detect low-level software errors.*

Process integration: *Easily integrate the tool into different CI or fuzzing processes with access to a detailed and comprehensive report.*

AUTOMATED REPORTS

INVESTIGATION TOOLS



TRUSTINSOFT ANALYZER DETECTS ALL UNDEFINED BEHAVIORS AND MORE

- *Buffer overflow*
- *Use-after-free*
- *Division by zero*
- *Integer overflow*
- *Array subscript out of range*
- *Strict aliasing violation*
- *Dangerous function cast*
- *Uninitialized memory*
- *Memory leaks*
- *Etc.*

These bugs are subtle and complex to detect with standard testing methods. They are used for cyberattacks. They also introduce non-deterministic behaviors and cause software to crash.

WHO IS TRUSTINSOFT?

Founded in 2013, TrustInSoft developed a game-changing product for software code analysis backed by 30 years of R&D. TrustInSoft Analyzer enables developers to apply formal methods in an incremental way and achieve powerful results. What makes TrustInSoft unique is the fact that it can help developers reach time-sensitive goals and prove the functionality of their software.

GUARANTEE ZERO-BUG SOFTWARE WITH TRUSTINSOFT ANALYZER - GET IN TOUCH WITH OUR EXPERTS TODAY.

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