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## C++ static code analysis

Unique rules to find Bugs, Vulnerabilities, Security Hotspots, and Code Smells in your C++ code

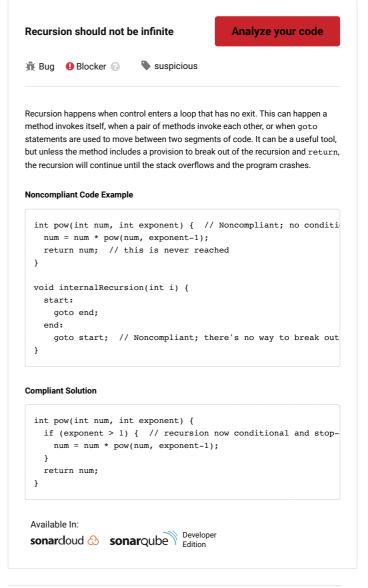
Tags

"memset" should not be used to delete sensitive data 6 Vulnerability POSIX functions should not be called with arguments that trigger buffer overflows ♠ Vulnerability XML parsers should not be vulnerable to XXE attacks Vulnerability Function-like macros should not be invoked without all of their arguments ₩ Bug The address of an automatic object should not be assigned to another object that may persist after the first object has ceased to exist 👬 Bug Assigning to an optional should directly target the optional # Bug Result of the standard remove algorithms should not be ignored # Bua "std::scoped\_lock" should be created with constructor arguments # Bug Objects should not be sliced # Bug Immediately dangling references should not be created # Bug

"pthread\_mutex\_t" should be unlocked in the reverse order they were locked

"pthread\_mutex\_t" should be properly

# Bug



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initialized and destroyed

in Bug

"pthread\_mutex\_t" should not be consecutively locked or unlocked twice

in Bug

"std::move" and "std::forward" should not be confused

in Bug

A call to "wait()" on a "std::condition\_variable" should have a