




# SonarQube C/C++ Plugin

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 The table below can be re-ordered, by clicking column headers.

**Tool Version:** 4.10

Checker	Guideline
978	DCL51-CPP. Do not declare or define a reserved identifier
FunctionEllipsis	DCL50-CPP. Do not define a C-style variadic function
IncAndDecMixedWithOtherOperators	EXP50-CPP. Do not depend on the order of evaluation for side effects
S859	EXP55-CPP. Do not access a cv-qualified object through a cv-unqualified type
S935	MSC52-CPP. Value-returning functions must return a value from all exit paths
S935	MSC53-CPP. Do not return from a function declared <code>[[noreturn]]</code>
S982	ERR52-CPP. Do not use <code>setjmp()</code> or <code>longjmp()</code>
S990	ERR50-CPP. Do not abruptly terminate the program
S1044	ERR61-CPP. Catch exceptions by lvalue reference
S1045	ERR54-CPP. Catch handlers should order their parameter types from most derived to least derived
S1232	MEM51-CPP. Properly deallocate dynamically allocated resources
S1235	OOP52-CPP. Do not delete a polymorphic object without a virtual destructor
S1265	DCL54-CPP. Overload allocation and deallocation functions as a pair in the same scope
S1699	OOP50-CPP. Do not invoke virtual functions from constructors or destructors
S3229	OOP53-CPP. Write constructor member initializers in the canonical order
S3468	DCL53-CPP. Do not write syntactically ambiguous declarations
S3470	DCL58-CPP. Do not modify the standard namespaces
S3519	STR50-CPP. Guarantee that storage for strings has sufficient space for character data and the null terminator
S3708	DCL52-CPP. Never qualify a reference type with <code>const</code> or <code>volatile</code>
UnnamedNamespaceInHeader	DCL59-CPP. Do not define an unnamed namespace in a header file