





## C static code analysis

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

Tags



# Bug

# Bug

🖷 Bug

should not return

Functions with "noreturn" attribute

"memcmp" should only be called with pointers to trivially copyable types with no padding

```
Logical operators should not be
                                                 Analyze your code
confused with bitwise operators
pitfall
While working with bitwise operators & or | it is easy to make a typo and write the
equivalent logical operators && or |\;|\;. This rule is raising issues when the right
operand of a logical expression && or |\ | is a constant of integral type, as the
developer probably meant to use the corresponding bitwise operator \epsilon or \mid .
Noncompliant Code Example
  int fun(int a) {
    return a || 4; // Noncompliant, did you mean to use bitwise
Compliant Solution
  int fun(int a) {
   return a | 4;
 Available In:
 sonarlint ⊖ | sonarcloud ☆ | sonarqube |
```

Search by name.

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Privacy Policy

Stack allocated memory and nonowned memory should not be freed

R
Bug

Closed resources should not be
accessed
Bug

Dynamically allocated memory should
be released
Bug

Freed memory should not be used