sonar RULES

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Go static code analysis

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

All rules 38 | Bug 7 | Security Hotspot 2 | Code Smell 29

Tags

Search by name...

Hard-coded credentials are security-sensitive
Security Hotspot

Cognitive Complexity of functions should not be too high
Code Smell

String literals should not be duplicated
Code Smell

Functions should not be empty
Code Smell

All branches in a conditional structure should not have exactly the same implementation
Bug

"=+" should not be used instead of "+="
Bug

Related "if/else if" statements should not have the same condition
Bug

Identical expressions should not be used on both sides of a binary operator
Bug

All code should be reachable
Bug

Variables should not be self-assigned
Bug

Functions should not have identical implementations
Code Smell

Two branches in a conditional structure should not have exactly the same implementation
Code Smell

Function and method names should comply with a naming convention

Analyze your code

Code Smell Minor convention

Shared naming conventions allow teams to collaborate efficiently. This rule checks that all function names match a provided regular expression.

Noncompliant Code Example

With default provided regular expression: `^(_|[a-zA-Z0-9]+)$`:

```
func execute_all() {
...
}
```

Compliant Solution

```
func executeAll() {
...
}
```

Available In:
sonarcloud sonarqube

"switch" statements should not have too many "case" clauses

Code Smell

Track uses of "FIXME" tags

Code Smell

Redundant pairs of parentheses should be removed

Code Smell

Nested blocks of code should not be left empty

Code Smell

Functions should not have too many parameters

Code Smell

Using hardcoded IP addresses is security-sensitive

Security Hotspot

Multi-line comments should not be empty

Code Smell

Boolean checks should not be inverted

Code Smell

Local variable and function parameter names should comply with a naming convention

Code Smell

Boolean literals should not be redundant

Code Smell