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PHP static code analysis

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

All rules 268 | Vulnerability 40 | Bug 51 | Security Hotspot 33 | Code Smell 144

Tags

Search by name...

"global" should not be used

Code Smell

"switch" statements should not be nested

Code Smell

Cyclomatic Complexity of functions should not be too high

Code Smell

Control flow statements "if", "for", "while", "switch" and "try" should not be nested too deeply

Code Smell

Cyclomatic Complexity of classes should not be too high

Code Smell

"if ... else if" constructs should end with "else" clauses

Code Smell

Expressions should not be too complex

Code Smell

"cgi.force_redirect" should be enabled

Vulnerability

Files that define symbols should not cause side-effects

Bug

Increment (++) and decrement (--) operators should not be used in a method call or mixed with other operators in an expression

Code Smell

Test methods should be discoverable

Code Smell

Use of namespaces should be

Single-character alternations in regular expressions should be replaced with character classes

Analyze your code

Code Smell   Major   regex

When an alternation contains multiple alternatives that consist of a single character, it can be rewritten as a character class. This should be preferred because it is more efficient.

Noncompliant Code Example

```
preg_match("/a|b|c/", $str); // Noncompliant
```

Compliant Solution

```
preg_match("/[abc]/", $str);
// or
preg_match("/[a-c]/", $str);
```

Available In:

sonarlint | sonarcloud | sonarqube

Use of namespaces should be preferred to "include" or "require" functions

Code Smell

Duplicate values should not be passed as arguments

Code Smell

Configuration should not be changed dynamically

Code Smell

Class constructors should not create other objects

Code Smell

PHP parser failure