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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...

be used to end lines

Code Smell

More than one property should not be declared per statement

Code Smell

The "var" keyword should not be used

Code Smell

"<?php" and "<?=" tags should be used

Code Smell

File names should comply with a naming convention

Code Smell

Comments should not be located at the end of lines of code

Code Smell

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

Code Smell

Field names should comply with a naming convention

Code Smell

Lines should not end with trailing whitespaces

Code Smell

Files should contain an empty newline at the end

Code Smell

Modifiers should be declared in the correct order

Code Smell

An open curly brace should be located at the beginning of a line

"for" loop stop conditions should be invariant

Analyze your code

Code Smell | Major | pitfall

A `for` loop stop condition should test the loop counter against an invariant value (i.e. one that is true at both the beginning and ending of every loop iteration). Ideally, this means that the stop condition is set to a local variable just before the loop begins.

Stop conditions that are not invariant are slightly less efficient, as well as being difficult to understand and maintain, and likely lead to the introduction of errors in the future.

This rule tracks three types of non-invariant stop conditions:

- When the loop counters are updated in the body of the `for` loop
- When the stop condition depend upon a method call
- When the stop condition depends on an object property, since such properties could change during the execution of the loop.

Noncompliant Code Example

```
for ($i = 0; $i < 10; $i++) {
  echo $i;
  if(condition) {
    $i = 20;
  }
}
```

Compliant Solution

```
for ($i = 0; $i < 10; $i++) {
  echo $i;
}
```

Available In:

sonarlint | sonarcloud | sonarqube

Code Smell

An open curly brace should be located at the end of a line

Code Smell

Tabulation characters should not be used

Code Smell

Method and function names should comply with a naming convention

Code Smell

Creating cookies with broadly defined "domain" flags is security-sensitive

Security Hotspot