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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

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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

Assignments should not be made from within sub-expressions

Analyze your code

Code Smell

Major ?

cwe suspicious

Assignments within sub-expressions are hard to spot and therefore make the code less readable. Ideally, sub-expressions should not have side-effects.

Noncompliant Code Example

```
if (($val = value()) && check()) { // Noncompliant
}
```

Compliant Solution

```
$val = value();
if ($val && check()) {
}
```

or

```
if ($val == value() && check()) { // Perhaps in fact th
}
```

Exceptions

Assignments in while statement conditions, and assignments enclosed in relational expressions are allowed.

```
while (($line = next_line()) != NULL) {...}

while ($line = next_line()) {...}
```

See

- MITRE, CWE-481 - Assigning instead of Comparing

Available In:

sonarlint

sonarcloud

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 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