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C
C++
CloudFormation
COBOL
C#
CSS
Flex
Go
HTML
Java
JavaScript
Kotlin
Objective C
PHP
PL/I
PL/SQL
Python
RPG
Ruby
Scala
Swift
Terraform
Text
TypeScript
T-SQL
VB.NET
VB6
XML

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... 🔍

Method arguments with default values should be last

⚙ Code Smell

A reason should be provided when skipping a test

⚙ Code Smell

"__construct" functions should not make PHP 4-style calls to parent constructors

⚙ Code Smell

PHP 4 constructor declarations should not be used

⚙ Code Smell

Deprecated predefined variables should not be used

⚙ Code Smell

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

⚙ Code Smell

Classes should not have too many methods

⚙ Code Smell

Functions should not have too many lines of code

⚙ Code Smell

"for" loop stop conditions should be invariant

⚙ Code Smell

Sections of code should not be commented out

⚙ Code Smell

Unused function parameters should be removed

⚙ Code Smell

Regex alternatives should not be redundant

Analyze your code

🐞 Bug   ⬦ Major ?   🏷 regex

If an alternative in a regular expression only matches things that are already matched by another alternative, that alternative is redundant and serves no purpose.

In the best case this means that the offending subpattern is merely redundant and should be removed. In the worst case it's a sign that this regex does not match what it was intended to match and should be reworked.

Noncompliant Code Example

```
"/[ab]|a/"   // The "|a" is redundant because "[ab]" al
"/.*|a/"     // .* matches everything, so any other alt
```

Compliant Solution

```
"/[ab]/"
"/.*/"
```

Available In:

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Unused "private" methods should be removed

⊛ Code Smell

Functions should not contain too many return statements

⊛ Code Smell

Track uses of "FIXME" tags

⊛ Code Smell

Generic exceptions ErrorException, RuntimeException and Exception should not be thrown

⊛ Code Smell

Local variables should not have the same name as class fields