

- Secrets
- ABAP
- Apex
- 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...



SHA-1 and Message-Digest hash algorithms should not be used in secure contexts

Vulnerability

Assertions should not be made at the end of blocks expecting an exception

Bug

Regular expressions should be syntactically valid

Bug

Only one method invocation is expected when testing exceptions

Bug

Reading the Standard Input is security-sensitive

Security Hotspot

Using command line arguments is security-sensitive

Security Hotspot

Using Sockets is security-sensitive

Security Hotspot

Encrypting data is security-sensitive

Security Hotspot

Using regular expressions is security-sensitive

Security Hotspot

Deserializing objects from an untrusted source is security-sensitive

Security Hotspot

Literal boolean values and nulls should not be used in equality assertions

Code Smell

Non-capturing groups without quantifier should not be used

Analyze your code

Code Smell Major ? regex

Sub-patterns can be wrapped by parentheses to build a group. This enables to restrict alternations, back reference the group or apply quantifier to the sub-pattern.

If this group should not be part of the match result or if no reference to this group is required, a non-capturing group can be created by adding : ? behind the opening parenthesis.

However, if this non-capturing group does not have a quantifier, or does not wrap an alternation, then imaging this group is redundant.

Noncompliant Code Example

```
"(?:number)\d{2}"
```

Compliant Solution

```
"number\d{2}"  
"(?:number)?\d{2}"
```

Exceptions

Do not report an issue if the non-capturing group is an alternation.

```
"(?:number|string)"
```

See

[Subpatterns](#) - PHP Documentation


Available In:

sonarlint

sonarcloud

sonarqube


"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