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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...



WordPress theme and plugin editors are security-sensitive

Security Hotspot

Allowing requests with excessive content length is security-sensitive

Security Hotspot

Manual generation of session ID is security-sensitive

Security Hotspot

Setting loose POSIX file permissions is security-sensitive

Security Hotspot

Formatting SQL queries is security-sensitive

Security Hotspot

"goto" statement should not be used

Code Smell

Character classes in regular expressions should not contain only one character

Code Smell

Superfluous curly brace quantifiers should be avoided

Code Smell

Non-capturing groups without quantifier should not be used

Code Smell

WordPress option names should not be misspelled

Code Smell

WordPress options should not be defined at the end of "wp-config.php"

Code Smell

### "switch" statements should have "default" clauses

Analyze your code

Code Smell Critical ? cwe

The requirement for a final case - default clause is defensive programming. The clause should either take appropriate action, or contain a suitable comment as to why no action is taken. Even when the switch covers all current values of an enum, a default case should still be used because there is no guarantee that the enum won't be extended.

#### Noncompliant Code Example

```
switch ($param) { //missing default clause
    case 0:
        do_something();
        break;
    case 1:
        do_something_else();
        break;
}
```

#### Compliant Solution

```
switch ($param) {
    case 0:
        do_something();
        break;
    case 1:
        do_something_else();
        break;
    default:
        error();
        break;
}
```


#### See

- [MITRE, CWE-478](#) - Missing Default Case in Switch Statement


Available In:

**sonarlint** | **sonarcloud** | **sonarqube**


Constants should not be redefined

 Code Smell


Regular expressions should not contain empty groups

 Code Smell

Regular expressions should not contain multiple spaces

 Code Smell

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

 Code Smell

Reluctant quantifiers in regular expressions should be followed by an