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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...



Code Smell

HTTP response headers should not be vulnerable to injection attacks

Vulnerability

"sleep" should not be called

Vulnerability

Static members should be referenced with "static::"

Bug

"require\_once" and "include\_once" should be used instead of "require" and "include"

Bug

Errors should not be silenced

Bug

Files should not contain characters before "<?php"

Bug

Method visibility should be explicitly declared

Bug

Controlling permissions is security-sensitive

Security Hotspot

Writing cookies is security-sensitive

Security Hotspot

Framework-provided functions should be used to test exceptions

Code Smell

Unicode-aware versions of character classes should be preferred

Code Smell

**"\_\_construct" functions should not make PHP 4-style calls to parent constructors**

Analyze your code

Code Smell Major convention

In PHP 5 both the way to declare a constructor and the way to make a call to a parent constructor have evolved. When declaring constructors with the PHP5 `__construct` name, nested calls to parent constructors should also use the new `__construct` name.

### Noncompliant Code Example

```
class Foo extends Bar {  
    function __construct() {  
        parent::Bar();  
    }  
}
```

### Compliant Solution

```
class Foo extends Bar {  
    function __construct() {  
        parent::__construct();  
    }  
}
```

Available In:


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

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Alias functions should not be used

 Code Smell

Perl-style comments should not be used

 Code Smell

Superglobals should not be accessed directly

 Code Smell

Colors should be defined in upper case

 Code Smell

String literals should not be concatenated