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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
Only LF character (Unix-like) should 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

Generic exceptions ErrorException, RuntimeException and Exception should not be thrown

Analyze your code

Code Smell Major cwe error-handling

If you throw a general exception type, such as ErrorException, RuntimeException, or Exception in a library or framework, it forces consumers to catch all exceptions, including unknown exceptions that they do not know how to handle.

Instead, either throw a subtype that already exists in the Standard PHP Library, or create your own type that derives from Exception.

Noncompliant Code Example

```
throw new Exception(); // Noncompliant
```

Compliant Solution






```
throw new InvalidArgumentException();  
// or  
throw new UnexpectedValueException();
```

See

- MITRE, CWE-397 - Declaration of Throws for Generic Exception

Available In:

sonarlint sonarcloud sonarqube


An open curly brace should be located at the beginning of a line
 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