

| Language   | Lint       | Link  | Id  | Name   | Description | Code Example | Further Information | Configurations | When Not To Use It | Related Rules | Severity | Auto Fix | Manual Fix | Error Output | Since | Rule Set | Compatibility | Usage Example | Rule Definition |
|------------|------------|---|---|--|-------------|--------------|---------------------|----------------|--------------------|---------------|----------|----------|------------|--------------|-------|----------|---------------|---------------|-----------------|
| C++        | OCLint     | <a href="https://oclint.docs.re">https://oclint.docs.re</a>                     | BitwiseOperatorInConditional              | bitwise operator in conditional  | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               | X               |
|            |            | <a href="https://oclint.docs.re">https://oclint.docs.re</a>                     | AssignInAnOutsideAccessors                | ivar assignment outside accessors or init                                | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               | X               |
|            |            | <a href="https://oclint.docs.re">https://oclint.docs.re</a>                     | AvoidBranchingStatementsInLoop            | Avoid branching statements as last in loop                               | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               | X               |
|            |            | <a href="https://oclint.docs.re">https://oclint.docs.re</a>                     | DestructorOnVirtualClass                  | Destructor of virtual class  | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               | X               |
|            |            | <a href="https://oclint.docs.re">https://oclint.docs.re</a>                     | MissingDefaultStatements                  | missing default in switch statements                                     | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               | X               |
| C++        | Oppcheck   | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | autoVariables                             | autoVariables - CWE 562  | X           | X            | X                   |                |                    | X             | X        |          |            |              | X     |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | negativeArraySize                         | negativeArraySize - CWE 758  | X           | X            | X                   |                |                    | X             | X        |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | nullPointerRedundantCheck                 | nullPointerRedundantCheck - CWE 476                                      | X           | X            | X                   |                |                    | X             | X        |          |            |              | X     |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | sprintfOverlappingData                    | sprintfOverlappingData - CWE 628   | X           | X            | X                   |                |                    | X             | X        |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | ifBoundaries                              | ifBoundaries - CWE 664   | X           | X            | X                   |                |                    | X             | X        |          |            |              |       |          |               |               |                 |
| C#         | Gendarme   | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | eraseReference                            | eraseReference - CWE 664   | X           | X            | X                   |                |                    | X             | X        |          |            |              | X     |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | shiftNegative                             | shiftNegative - CWE 758  | X           | X            | X                   |                |                    | X             | X        |          |            |              | X     |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | constStatement                            | constStatement - CWE 398   | X           | X            | X                   |                |                    | X             | X        |          |            |              | X     |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | ReplaceIncompleteAddressCheckRule         | ReplaceIncompleteAddressCheckRule  | X           | X            |                     |                |                    |               |          |          |            |              |       | X        |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | DoNotCompareWithNullRule                  | DoNotCompareWithNullRule   | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               | X             |                 |
| C#         | Roslynator | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | DoNotDestroyStackTraceRule                | DoNotDestroyStack TraceRule  | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | UseManagedAlternativesToPInvokeRule       | UseManagedAlternativesToPInvokeRule                                      | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | UseCorrectPInvokeRule                     | UseCorrectPInvokeRule  | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | AvoidInsecureCallsOnDllImportRule         | AvoidInsecureCallsOnDllImportRule  | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               | X             |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | ExitCodeLimitedOnDllImportRule            | ExitCodeLimitedOnDllImportRule   | X           | X            |                     |                |                    |               |          |          |            |              |       | X        |               |               |                 |
| C#         | Roslynator | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | MonocmpatibilityReviewRule                | MonocmpatibilityReviewRule   | X           | X            |                     | X              |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | MarkEnumerationsAsSerializableRule        | MarkEnumerationsAsSerializableRule                                       | X           | X            |                     |                |                    |               |          |          |            |              |       | X        |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | RC11007                                   | Add braces   | X           | X            |                     |                |                    |               |          | X        |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | RC11102                                   | Make class static  | X           | X            |                     |                |                    |               |          | X        |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | RC11157                                   | Composite enum value contains undefined flag                             | X           | X            |                     |                |                    |               |          | X        |            |              |       |          |               |               |                 |
| C#         | Roslynator | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | RC11236                                   | Use exception filter   | X           | X            |                     | X              |                    |               |          | X        |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | RC11250                                   | Use implicit/explicit object creation                                    | X           | X            |                     | X              |                    |               |          | X        |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | RC11169                                   | Make field read-only   | X           | X            |                     |                |                    |               |          | X        |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | RC11174                                   | Remove redundant async/await   | X           | X            |                     |                |                    |               |          | X        |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | RC11202                                   | Avoid NullReferenceException   | X           | X            |                     |                |                    |               |          | X        |            |              |       |          |               |               |                 |
| C#         | Roslynator | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | RC11209                                   | Order type parameter constants   | X           | X            |                     |                |                    |               |          | X        |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | RC11217                                   | Convert interpolated string to concatenation                             | X           | X            |                     |                |                    |               |          | X        |            |              |       |          |               |               |                 |
| Java       | Checkstyle | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | AnnotationUseStyle                        | AnnotationUseStyle   | X           | X            | X                   |                | X                  |               |          |          |            |              | X     | X        | X             |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | EmptyBlock                                | EmptyBlock   | X           | X            | X                   |                | X                  |               |          |          |            |              | X     | X        | X             |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | ThrowCount                                | ThrowCount   | X           | X            |                     |                |                    |               |          |          |            |              | X     | X        | X             |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | AvoidStaticImport                         | AvoidStaticImport  | X           | X            | X                   |                | X                  |               |          |          |            |              | X     | X        | X             |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | MissingJavadocPackage                     | MissingJavadocPackage  | X           | X            | X                   |                |                    |               |          |          |            |              | X     | X        | X             |               | X               |
| Java       | Spotbugs   | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | UncommentedMain                           | UncommentedMain  | X           | X            |                     |                | X                  |               |          |          |            |              | X     | X        | X             |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | NetSwing                                  | NetSwing   | X           | X            |                     |                | X                  |               |          |          |            |              | X     | X        | X             |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | ES_COMPARING_PARAMETER_STRING_WITH_EQ     | ES: Comparision of String parameter using == or !=                       | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | SIC_THREADLOCAL_DEADLY_EMBRACE            | SIC: Deadly embrace of non-static inner class and thread local           | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | CSL_UNANNOTATED_OBLIGATION_EXCEPTION_EDGE | CSL: Method may fail to clean up stream or resource on checked exception | X           | X            |                     | X              |                    |               |          |          |            |              |       |          |               |               |                 |
| JavaScript | ESLint     | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | MS_SHOULD_BE_REFACTORED_TO_BE_FINAL       | MS: Field isn't final but should be refactored to be so                  | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | HRHS_REQUEST_PARAMETER_TO_HTTP_HEADER     | HRHS: HTTP Response splitting vulnerability                              | X           | X            | X                   |                |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | getter-return                             | getter-return  | X           | X            | X                   |                | X                  |               |          |          |            |              | X     |          |               |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | no-unsafe-negation                        | no-unsafe-negation   | X           | X            | X                   |                | X                  |               |          |          | X          | X            |       |          |               |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | capitalized-comments                      | capitalized-comments   | X           | X            |                     | X              | X                  |               |          |          | X          |              |       |          | X             |               | X               |
| JavaScript | ESLint     | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | func-names                                | func-names   | X           | X            |                     | X              |                    |               |          |          |            |              | X     |          | X             |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | no-confusing-arrow                        | no-confusing-arrow   | X           | X            |                     | X              |                    | X             |          |          | X          |              |       |          |               |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | use-trim                                  | use-trim   | X           | X            |                     | X              |                    |               |          |          |            |              |       |          |               |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | wrap-lfe                                  | wrap-lfe   | X           | X            |                     | X              |                    |               |          | X        |            |              |       |          |               |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | no-nonoctal-decimal-escape                | no-nonoctal-decimal-escape   | X           | X            | X                   |                |                    | X             |          |          | X          | X            |       |          |               |               | X               |
| JavaScript | ESLint     | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | require-yield                             | require-yield  | X           | X            |                     |                | X                  |               |          | X        |            |              | X     |          |               |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | require-pare-chained-call                 | require-pare-chained-call  | X           | X            |                     | X              |                    | X             |          |          | X          |              | X     |          |               |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | no-await-in-loop                          | no-await-in-loop   | X           | X            |                     | X              |                    |               |          | X        |            |              |       |          |               |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | no-constant-condition                     | no-constant-condition  | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | no-extra-boolean-cast                     | no-extra-boolean-cast  | X           | X            |                     | X              |                    |               |          |          |            |              |       |          |               |               | X               |
| JavaScript | ESLint     | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | no-inner-declarations                     | no-inner-declarations  | X           | X            |                     | X              |                    |               |          |          |            |              |       |          |               |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | no-prototype-builtins                     | no-prototype-builtins  | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | no-sparse-arrays                          | no-sparse-arrays   | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | no-unsafe-finally                         | no-unsafe-finally  | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               | X               |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | use-trim                                  | use-trim   | X           | X            |                     | X              |                    |               |          |          |            |              |       |          |               |               | X               |
| PHP        | CS Fixer   | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | ereg_in_preg                              | ereg_in_preg   | X           | X            |                     |                | X                  |               |          | X        | X          |              |       |          | X             |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | constant_case                             | constant_case  | X           | X            |                     |                |                    |               |          | X        |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | visibility_required                       | visibility_required  | X           | X            |                     | X              |                    |               |          | X        |            |              |       |          | X             |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | empty_catch                               | empty_catch  | X           | X            |                     |                | X                  |               |          | X        |            |              |       |          | X             |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | no_useless_return                         | no_useless_return  | X           | X            |                     |                |                    |               |          | X        |            |              |       |          |               |               |                 |
| PHP        | Psalm      | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | no_empty_phpdoc                           | no_empty_phpdoc  | X           | X            |                     |                |                    |               |          |          |            |              |       |          | X             |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | UnusedClass                               | UnusedClass  | X           | X            |                     |                | X                  |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | ImplementedParamTypeMismatch              | ImplementedParamTypeMismatch   | X           | X            |                     | X              |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | InvalidPropertyAssignment                 | InvalidPropertyAssignment  | X           | X            |                     | X              |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | PossiblyInvalidCast                       | PossiblyInvalidCast  | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               |                 |
| Python     | PyLint     | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | CircularReference                         | CircularReference  | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | MoreSpecificReturnType                    | MoreSpecificReturnType   | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | InvalidReturnStatement                    | InvalidReturnStatement   | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | F0011                                     | config-parse-error   | X           | X            |                     |                |                    |               |          | X        |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | E2012                                     | invalid-character-sub  | X           | X            |                     |                |                    |               |          | X        |            |              |       |          |               |               |                 |
| Python     | PyLint     | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | W0104                                     | pointless-statement  | X           | X            |                     |                |                    |               |          | X        |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | C0412                                     | ungrupsed-imports  | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | R6201                                     | use-set-for-membership   | X           | X            | X                   |                |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | W0106                                     | expression-not-assigned  | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | E1123                                     | unexpected-keyword-arg   | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               |                 |
| Python     | PyLint     | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | F0202                                     | method-check-failed  | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | E0011                                     | locally-disabled   | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | R11707                                    | trailing-comma-tuple   | X           | X            |                     |                |                    |               |          | X        |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | E127                                      | Continuation line over-indented for visual indent                        | X           | X            | X                   |                |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | E231                                      | Missing whitespace after ',', '(', or '['                                | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               |                 |
| Python     | Flake8     | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | E731                                      | Do not assign a lambda expression, use a def                             | X           | X            | X                   |                |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | F811                                      | Redefinition of unused name from line n                                  | X           | X            |                     |                |                    |               |          |          |            |              |       |          |               |               |                 |
|            |            | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | C801                                      | Function is too complex  | X           | X            | X                   |                |                    |               |          |          |            |              |       |          |               |               |                 |
| Python     | RuboCop    | <a href="https://github.com/aut/variables">https://github.com/aut/variables</a> | EmptyLineAfterGuardClause                 | EmptyLineAfterGuardClause  | X           | X            |                     |                |                    |               |          |          | X          |              |       |          |               |               |                 |