**Flex static code analysis**

Unique rules to find Bugs, Security Hotspots, and Code Smells in your FLEX code

### [Security.allowDomain(...) should only be used in a tightly focused manner](https://rules.sonarsource.com/flex/RSPEC-1468)

[Vulnerability](https://rules.sonarsource.com/flex/RSPEC-1468)

### [The flash.system.Security.exactSettings property should never be set to false](https://rules.sonarsource.com/flex/RSPEC-1466)

[Vulnerability](https://rules.sonarsource.com/flex/RSPEC-1466)

### [Dynamic classes should not be used](https://rules.sonarsource.com/flex/RSPEC-1446)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1446)

### ["LocalConnection" should be configured to narrowly specify the domains with which local connections to other Flex application are allowed](https://rules.sonarsource.com/flex/RSPEC-1465)

[Vulnerability](https://rules.sonarsource.com/flex/RSPEC-1465)

### ["default" clauses should be first or last](https://rules.sonarsource.com/flex/RSPEC-4524)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-4524)

### [Event types should be defined in metadata tags](https://rules.sonarsource.com/flex/RSPEC-1463)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1463)

### [Event names should not be hardcoded in event listeners](https://rules.sonarsource.com/flex/RSPEC-1462)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1462)

### [The special "star" type should not be used](https://rules.sonarsource.com/flex/RSPEC-1435)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1435)

### [Variables of the "Object" type should not be used](https://rules.sonarsource.com/flex/RSPEC-1434)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1434)

### [Methods should not be empty](https://rules.sonarsource.com/flex/RSPEC-1186)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1186)

### [Constant names should comply with a naming convention](https://rules.sonarsource.com/flex/RSPEC-115)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-115)

### [All branches in a conditional structure should not have exactly the same implementation](https://rules.sonarsource.com/flex/RSPEC-3923)

[Bug](https://rules.sonarsource.com/flex/RSPEC-3923)

### [Classes that extend "Event" should override "Event.clone()"](https://rules.sonarsource.com/flex/RSPEC-1470)

[Bug](https://rules.sonarsource.com/flex/RSPEC-1470)

### [Constructors should not dispatch events](https://rules.sonarsource.com/flex/RSPEC-1467)

[Bug](https://rules.sonarsource.com/flex/RSPEC-1467)

### ["ManagedEvents" tags should have companion "Event" tags](https://rules.sonarsource.com/flex/RSPEC-1464)

[Bug](https://rules.sonarsource.com/flex/RSPEC-1464)

### [Objects should not be instantiated inside a loop](https://rules.sonarsource.com/flex/RSPEC-1952)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1952)

### [Two branches in a conditional structure should not have exactly the same implementation](https://rules.sonarsource.com/flex/RSPEC-1871)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1871)

### [Constructor bodies should be as lightweight as possible](https://rules.sonarsource.com/flex/RSPEC-1447)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1447)

### [Only "while", "do" and "for" statements should be labelled](https://rules.sonarsource.com/flex/RSPEC-1439)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1439)

### [Statements, operators and keywords specific to ActionScript 2 should not be used](https://rules.sonarsource.com/flex/RSPEC-1320)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1320)

### ["for" loop stop conditions should be invariant](https://rules.sonarsource.com/flex/RSPEC-127)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-127)

### [Unused function parameters should be removed](https://rules.sonarsource.com/flex/RSPEC-1172)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1172)

### [Unused "private" functions should be removed](https://rules.sonarsource.com/flex/RSPEC-1144)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1144)

### [Local variables should not shadow class fields](https://rules.sonarsource.com/flex/RSPEC-1117)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1117)

### [Nested blocks of code should not be left empty](https://rules.sonarsource.com/flex/RSPEC-108)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-108)

### [Functions should not have too many parameters](https://rules.sonarsource.com/flex/RSPEC-107)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-107)

### [Unused "private" fields should be removed](https://rules.sonarsource.com/flex/RSPEC-1068)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1068)

### [Collapsible "if" statements should be merged](https://rules.sonarsource.com/flex/RSPEC-1066)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1066)

### [Delivering code in production with debug features activated is security-sensitive](https://rules.sonarsource.com/flex/RSPEC-4507)

[Security Hotspot](https://rules.sonarsource.com/flex/RSPEC-4507)

### [Unused local variables should be removed](https://rules.sonarsource.com/flex/RSPEC-1481)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1481)

### [Package definition should be separate from Class definition](https://rules.sonarsource.com/flex/RSPEC-1455)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1455)

### [Constructors should not have a "void" return type](https://rules.sonarsource.com/flex/RSPEC-1445)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1445)

### ["public static" fields should be constant](https://rules.sonarsource.com/flex/RSPEC-1444)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1444)

### ["switch" statements should have at least 3 "case" clauses](https://rules.sonarsource.com/flex/RSPEC-1301)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1301)

### [Package names should comply with a naming convention](https://rules.sonarsource.com/flex/RSPEC-120)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-120)

### [Overriding methods should do more than simply call the same method in the super class](https://rules.sonarsource.com/flex/RSPEC-1185)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1185)

### [Public constants and fields initialized at declaration should be "const static" rather than merely "const"](https://rules.sonarsource.com/flex/RSPEC-1170)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1170)

### [Local variable and function parameter names should comply with a naming convention](https://rules.sonarsource.com/flex/RSPEC-117)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-117)

### [Field names should comply with a naming convention](https://rules.sonarsource.com/flex/RSPEC-116)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-116)

### [Boolean literals should not be redundant](https://rules.sonarsource.com/flex/RSPEC-1125)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1125)

### [Empty statements should be removed](https://rules.sonarsource.com/flex/RSPEC-1116)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1116)

### [Class names should comply with a naming convention](https://rules.sonarsource.com/flex/RSPEC-101)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-101)

### [Function names should comply with a naming convention](https://rules.sonarsource.com/flex/RSPEC-100)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-100)

### [The element type of an array field should be specified](https://rules.sonarsource.com/flex/RSPEC-1469)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1469)

### [Track lack of copyright and license headers](https://rules.sonarsource.com/flex/RSPEC-1451)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1451)

### [Octal values should not be used](https://rules.sonarsource.com/flex/RSPEC-1314)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1314)

### [Switch cases should end with an unconditional "break" statement](https://rules.sonarsource.com/flex/RSPEC-128)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-128)

### ["switch" statements should not be nested](https://rules.sonarsource.com/flex/RSPEC-1821)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1821)

### [Cyclomatic Complexity of functions should not be too high](https://rules.sonarsource.com/flex/RSPEC-1541)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1541)

### [Control flow statements "if", "for", "while" and "switch" should not be nested too deeply](https://rules.sonarsource.com/flex/RSPEC-134)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-134)

### [Cyclomatic Complexity of classes should not be too high](https://rules.sonarsource.com/flex/RSPEC-1311)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1311)

### ["switch" statements should have "default" clauses](https://rules.sonarsource.com/flex/RSPEC-131)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-131)

### [Multiple "++" or "--" unary operators should not be used in a single arithmetic expression](https://rules.sonarsource.com/flex/RSPEC-1454)

[Bug](https://rules.sonarsource.com/flex/RSPEC-1454)

### ["with" statements should not be used](https://rules.sonarsource.com/flex/RSPEC-1321)

[Bug](https://rules.sonarsource.com/flex/RSPEC-1321)

### [Useless "if(true) {...}" and "if(false){...}" blocks should be removed](https://rules.sonarsource.com/flex/RSPEC-1145)

[Bug](https://rules.sonarsource.com/flex/RSPEC-1145)

### [Flex parser failure](https://rules.sonarsource.com/flex/RSPEC-2260)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-2260)

### [Classes should not have too many fields](https://rules.sonarsource.com/flex/RSPEC-1820)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1820)

### [Classes should not have too many methods](https://rules.sonarsource.com/flex/RSPEC-1448)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1448)

### ["===" and "!==" should be used instead of "==" and "!="](https://rules.sonarsource.com/flex/RSPEC-1440)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1440)

### [Track breaches of an XPath rule](https://rules.sonarsource.com/flex/RSPEC-140)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-140)

### [Functions should not have too many lines of code](https://rules.sonarsource.com/flex/RSPEC-138)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-138)

### [Sections of code should not be commented out](https://rules.sonarsource.com/flex/RSPEC-125)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-125)

### [Track comments matching a regular expression](https://rules.sonarsource.com/flex/RSPEC-124)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-124)

### [Statements should be on separate lines](https://rules.sonarsource.com/flex/RSPEC-122)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-122)

### [Public classes, methods, properties and metadata should be documented with ASDoc](https://rules.sonarsource.com/flex/RSPEC-1176)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1176)

### ["switch case" clauses should not have too many lines of code](https://rules.sonarsource.com/flex/RSPEC-1151)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1151)

### [Functions should not contain too many return statements](https://rules.sonarsource.com/flex/RSPEC-1142)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1142)

### [Lines should not be too long](https://rules.sonarsource.com/flex/RSPEC-103)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-103)

### [The "trace" function should not be used](https://rules.sonarsource.com/flex/RSPEC-1951)

[Vulnerability](https://rules.sonarsource.com/flex/RSPEC-1951)

### ["Alert.show(...)" should not be used](https://rules.sonarsource.com/flex/RSPEC-1442)

[Vulnerability](https://rules.sonarsource.com/flex/RSPEC-1442)

### [Cases in a "switch" should not have the same condition](https://rules.sonarsource.com/flex/RSPEC-1950)

[Bug](https://rules.sonarsource.com/flex/RSPEC-1950)

### [Method visibility should be explicitly declared](https://rules.sonarsource.com/flex/RSPEC-1784)

[Bug](https://rules.sonarsource.com/flex/RSPEC-1784)

### ["MovieClip.onEnterFrame" event handler should not be used](https://rules.sonarsource.com/flex/RSPEC-1982)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1982)

### [Statements should end with semicolons](https://rules.sonarsource.com/flex/RSPEC-1438)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1438)

### [Loggers should be "private static const" and should share naming convention](https://rules.sonarsource.com/flex/RSPEC-1312)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1312)

### [A function should have a single point of exit at the end of the function](https://rules.sonarsource.com/flex/RSPEC-1005)

[Code Smell](https://rules.sonarsource.com/flex/RSPEC-1005)