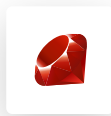


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## Ruby static code analysis

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

All rules 42

Bug 7

Security Hotspot 2

Code Smell 33

Tags

Search by name...



### implementation

Bug

"=+" should not be used instead of "+="

Bug

Related "if/elsif" statements and "when" in a "case" should not have the same condition

Bug

Identical expressions should not be used on both sides of a binary operator

Bug

All code should be reachable

Bug

Variables should not be self-assigned

Bug

Useless "if true ..." and "if false ..." blocks should be removed

Bug

Methods should not have identical implementations

Code Smell

Two branches in a conditional structure should not have exactly the same implementation

Code Smell

"case" statements should not have too many "when" clauses

Code Smell

Unused function parameters should be removed

Code Smell

### String literals should not be duplicated

Analyze your code

Code Smell Critical ? design

Duplicated string literals make the process of refactoring error-prone, since you must be sure to update all occurrences.

On the other hand, constants can be referenced from many places, but only need to be updated in a single place.

#### Noncompliant Code Example

With the default threshold of 3:

```
def foo()  
  prepare('action random1')    #Noncompliant - "action  
  execute('action random1')  
  release('action random1')  
end
```

#### Compliant Solution

```
def foo()  
  action1 = 'action random1'  
  prepare(action1)  
  execute(action1)  
  release(action1)  
end
```


#### Exceptions

To prevent generating some false-positives, literals having 5 or less characters are excluded as well as literals containing only letters, digits and '.'.


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Track uses of "FIXME" tags

 Code Smell


Redundant pairs of parentheses  
should be removed

 Code Smell

Nested blocks of code should not be  
left empty

 Code Smell

Functions should not have too many  
parameters

 Code Smell

Collapsible "if" statements should be  
merged