Code Smell (101)

Search by name...



RPG

Ruby

Scala

Swift

Terraform

Text 月

TypeScript

T-SQL

VB.NET

VB6

XML



Python static code analysis

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

♣ Bug (55) All rules (216) 6 Vulnerability (29) Tags

A Code Smell A field should not duplicate the name of its containing class A Code Smell Function names should comply with a naming convention A Code Smell Functions and lambdas should not reference variables defined in enclosing loops A Code Smell Sections of code should not be commented out A Code Smell Unused function parameters should be removed Code Smell Unused class-private methods should be removed Code Smell Track uses of "FIXME" tags A Code Smell "Exception" and "BaseException" should not be raised

Code Smell

should be removed

Code Smell

Code Smell

left empty

Redundant pairs of parentheses

Nested blocks of code should not be

Functions, methods and lambdas should not have too many parameters

'str.replace' should be Analyze your code preferred to 're.sub' Code Smell Critical regex performance An re.sub call always performs an evaluation of the first argument as a regular expression, even if no regular expression features were used. This has a significant performance cost and therefore should be used with care. When re.sub is used, the first argument should be a real regular expression. If it's not the case, str.replace does exactly the same thing as re.sub without the performance drawback of the regex. This rule raises an issue for each re.sub used with a simple string as first argument which doesn't contains special regex character or pattern. **Noncompliant Code Example** input = "Bob is a Bird... Bob is a Plane... Bob is Supe changed = re.sub("Bob is", "It's", input) # Noncomplian changed = re.sub("\.\.", ";", changed) # Noncompliant **Compliant Solution** input = "Bob is a Bird... Bob is a Plane... Bob is Supe changed = str.replace("Bob is", "It's", input) changed = str.replace("...", ";", changed) Or, with a regex: input = "Bob is a Bird... Bob is a Plane... Bob is Supe changed = re.sub(r"\w*\sis", "It's", input) changed = $re.sub(r"\.{3}", ";", changed)$ Available In: sonarlint ⊕ | sonarcloud ↔ | sonarqube

Security Hotspot 31

trademarks of SonarSource S.A. All other trademarks and copyrights are the property of their respective owners. All rights are expressly reserved. Privacy Policy

© 2008-2022 SonarSource S.A., Switzerland. All content is copyright protected. SONAR, SONARSOURCE, SONARLINT, SONARQUBE and SONARCLOUD are

Code Smell

Collapsible "if" statements should be merged

Code Smell

Logging should not be vulnerable to injection attacks

Vulnerability

Repeated patterns in regular expressions should not match the empty string

Bug

Function parameters initial values should not be ignored