

- Secrets
- ABAP
- Apex
- C
- C++
- CloudFormation
- COBOL
- C#
- CSS
- Flex
- Go
- HTML
- Java
- JavaScript
- Kotlin
- Objective C
- PHP
- PL/I
- PL/SQL
- Python**
- RPG
- Ruby
- Scala
- Swift
- Terraform
- Text
- 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

All rules 216

Vulnerability 29

Bug 55

Security Hotspot 31

Code Smell 101

Tags ▾

Search by name...

Functions should not have too many lines of code
Code Smell
Track uses of "NOSONAR" comments
Code Smell
Track comments matching a regular expression
Code Smell
Statements should be on separate lines
Code Smell
Functions should not contain too many return statements
Code Smell
Files should not have too many lines of code
Code Smell
Lines should not be too long
Code Smell
Methods and properties that don't access instance data should be static
Code Smell
New-style classes should be used
Code Smell
Parentheses should not be used after certain keywords
Code Smell
Track "TODO" and "FIXME" comments that do not contain a reference to a person
Code Smell
Module names should comply with a naming convention

Single-character alternations in regular expressions should be replaced with character classes

Analyze your code

Code Smell

Major

regex

When an alternation contains multiple alternatives that consist of a single character, it can be rewritten as a character class. This should be preferred because it is more efficient.

Noncompliant Code Example

```
r"a|b|c" # Noncompliant
```

Compliant Solution

```
r"[abc]"  
# or  
r"[a-c]"
```

Available In:

sonarlint | sonarcloud | sonarqube

© 2008-2022 SonarSource S.A., Switzerland. All content is copyright protected. SONAR, SONARSOURCE, SONARLINT, SONARQUBE and SONARCLOUD are trademarks of SonarSource S.A. All other trademarks and copyrights are the property of their respective owners. All rights are expressly reserved. [Privacy Policy](#)

 Code Smell

Comments should not be located at the end of lines of code

 Code Smell

Lines should not end with trailing whitespaces

 Code Smell

Files should contain an empty newline at the end

 Code Smell

Long suffix "L" should be upper case

 Code Smell