

-  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... 

Cyclomatic Complexity of classes should not be too high
 Code Smell
"\" should only be used as an escape character outside of raw strings
 Bug
Using shell interpreter when executing OS commands is security-sensitive
 Security Hotspot
Functions should use "return" consistently
 Code Smell
Python parser failure
 Code Smell
Files should not be too complex
 Code Smell
Docstrings should be defined
 Code Smell
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

Variables should not be self-assigned

Analyze your code

 Bug

 Major 

There is no reason to re-assign a variable to itself. Either this statement is redundant and should be removed, or the re-assignment is a mistake and some other value or variable was intended for the assignment instead.

Noncompliant Code Example

```
name = name
```






Compliant Solution

```
name = other.name
```

Available In:

 |  | 

© 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](#)


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