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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...

Security Hotspot
Cyclomatic Complexity of functions should not be too high
Code Smell
Control flow statements "if", "for", "while", "try" and "with" should not be nested too deeply
Code Smell
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

All code should be reachable

Analyze your code

Bug

Major ?

cwe unused

Jump statements (return, break, continue, and raise) move control flow out of the current code block. So any statements that come after a jump are dead code.

Noncompliant Code Example

```
def fun(a):
    i = 10
    return i + a           # Noncompliant
    i += 1                 # this is never executed
```

Compliant Solution

```
def fun(a):
    i = 10
    return i + a
```

See

- [MITRE, CWE-561](#) - Dead Code


Available In:

sonarlint


sonarcloud

sonarqube


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