



 \bowtie Flex

Go -GO

5 HTML

Java

JavaScript JS

Kotlin

Objective C

PHP

PL/I

PL/SQL

Python

RPG

Ruby

Scala

Swift

Terraform

Text 月

TS 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)

6 Vulnerability (29)

R Bug (55)

Security Hotspot 31

Search by name...

Code Smell (101)

object

👚 Bug

Variables, classes and functions should be defined before being used

R Bug

Identity operators should not be used with dissimilar types

Rug Bug

Only strings should be listed in

₩ Bua

"__init__" should not return a value

₩ Bua

"yield" and "return" should not be used outside functions

₩ Bua

String formatting should not lead to

👚 Bug

Recursion should not be infinite

R Bug

Silly equality checks should not be made

R Bug

Granting access to S3 buckets to all or authenticated users is securitysensitive

Security Hotspot

Hard-coded credentials are securitysensitive

Security Hotspot

Functions returns should not be invariant

The "open" builtin function should be called with a valid mode

Analyze your code

👬 Bug 🔒 Blocker 😥

Tags

The open builtin can open files in different modes, which are provided as a combination of characters. Using an invalid sequence of characters will at best make open fail, or worse, it will have an undefined behavior (ex: it might ignore some characters).

A valid mode

- should contain one and only one of the following characters: "r" (read), "w" (write), "a" (append), "x" (create).
- should contain zero or one of the following characters: "t" (text), "b"
- should contain zero or one "+" character (open for updating)
- cannot contain "a", "w", "+", or "x" if "U" (universal newlines) is used. Note that "U" has no effect in python 3, it is deprecated and shouldn't be used anymore.

This rule raises an issue when an invalid "mode" is provided to the open

Noncompliant Code Example

In python 3 the following fails # In python 2.7.16 on MacOs, "open" will just ignore th with open("test.txt", "aw") as f: # Noncompliant pass

Compliant Solution

with open("test.txt", "a") as f: pass

• Python documentation - the open builtin

Available In:

sonarlint ⊕ | sonarcloud 👌 | sonarqube

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Code Smell
The "exec" statement should not be used
Backticks should not be used
Code Smell
Methods and field names should not differ only by capitalization
☼ Code Smell
JWT should be signed and verified
☆ Vulnerability