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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 ▾

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<div>Code Smell</div>
<div>Class names should comply with a naming convention</div> <div>Code Smell</div>
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Exceptions should not be created without being raised

Analyze your code

Bug

Major ?

error-handling

Creating a new Exception without actually raising it has no effect and is probably due to a mistake.

Noncompliant Code Example

```
def func(x):
    if not isinstance(x, int):
        TypeError("Wrong type for parameter 'x'. func e
    if x < 0:
        ValueError # Noncompliant
    return x + 42
```

Compliant Solution

```
def func(x):
    if not isinstance(x, int):
        raise TypeError("Wrong type for parameter 'x'.
    if x < 0:
        raise ValueError
    return x + 42
```

See

- [Python documentation - Raising Exceptions](#)


Available In:

sonarlint


sonarcloud

sonarqube


Reading the Standard Input is security-sensitive

 Security Hotspot


Using command line arguments is security-sensitive

 Security Hotspot

Encrypting data is security-sensitive

 Security Hotspot

Using regular expressions is security-sensitive

 Security Hotspot

Dynamically executing code is