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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...

🔒 Vulnerability

Regular expressions should not be vulnerable to Denial of Service attacks

🔒 Vulnerability

Hashes should include an unpredictable salt

🔒 Vulnerability

Regex lookahead assertions should not be contradictory

🐛 Bug

Regex boundaries should not be used in a way that can never be matched

🐛 Bug

Exceptions' "__cause__" should be either an Exception or None

🐛 Bug

"break" and "continue" should not be used outside a loop

🐛 Bug

Break, continue and return statements should not occur in "finally" blocks

🐛 Bug

Allowing public ACLs or policies on a S3 bucket is security-sensitive

🛡 Security Hotspot

Using publicly writable directories is security-sensitive

🛡 Security Hotspot

Using clear-text protocols is security-sensitive

🛡 Security Hotspot

Expanding archive files without controlling resource consumption is security-sensitive

Identity operators should not be used with dissimilar types

Analyze your code

🐛 Bug   ❗ Blocker ⓘ

Operators `is` and `is not` check if their operands point to the same instance, thus they will always return respectively True and False when they are used to compare objects of different type. Such comparisons can only be bugs.

Noncompliant Code Example

```
myint = 1
mystring = "1"
value = myint is mystring     # Noncompliant. Always False
value = myint is not mystring  # Noncompliant. Always T
```

Available In:

sonarlint 😊 | sonarcloud ☁ | sonarqube 〰

security-sensitive

🛡 Security Hotspot

Signalling processes is security-sensitive

🛡 Security Hotspot

Configuring loggers is security-sensitive

🛡 Security Hotspot

Using weak hashing algorithms is security-sensitive

🛡 Security Hotspot

Disabling CSRF protections is security-sensitive

🛡 Security Hotspot