

- 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...



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

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

Code Smell

Track "TODO" and "FIXME" comments that do not contain a reference to a person

Code Smell

Module names should comply with a naming convention

Disabling versioning of S3 buckets is security-sensitive

Analyze your code

Security Hotspot Minor ? aws owasp

S3 buckets can be versioned. When the S3 bucket is unversioned it means that a new version of an object overwrites an existing one in the S3 bucket.

It can lead to unintentional or intentional information loss.

Ask Yourself Whether

- The bucket stores information that require high availability.

There is a risk if you answered yes to any of those questions.

Recommended Secure Coding Practices

It's recommended to enable S3 versioning and thus to have the possibility to retrieve and restore different versions of an object.

Sensitive Code Example

```
bucket = s3.Bucket(self, "bucket",
    versioned=False      # Sensitive
)
```

The default value of versioned is False so the absence of this parameter is also sensitive.

Compliant Solution

```
bucket = s3.Bucket(self, "bucket",
    versioned=True
)
```


See

- [OWASP Top 10 2021 Category A5](#) - Security Misconfiguration
- [OWASP Top 10 2017 Category A6](#) - Security Misconfiguration
- [AWS documentation](#) - Using versioning in S3 buckets
- [AWS CDK version 2](#) - Using versioning in S3 buckets


Available In:

sonarcloud | sonarqube


Formatting Code Smells

 Code Smell

Comments should not be located at the end of lines of code

 Code Smell


Lines should not end with trailing whitespaces

 Code Smell

Files should contain an empty newline at the end

 Code Smell

Long suffix "L" should be upper case

 Code Smell