



ABAP

Apex

C С

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Java

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Python

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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)

6 Vulnerability (29)

R Bug (55)

Security Hotspot 31

Code Smell (101)

₩ Bug

Function arguments should be passed only once

Rug Bug

Iterable unpacking, "for-in" loops and "yield from" should use an Iterable object

🖟 Bug

Variables, classes and functions should be defined before being used

₩ Bug

Identity operators should not be used with dissimilar types

👬 Bug

Only strings should be listed in all

₩ Bua

"__init__" should not return a value

₩ Bug

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

👬 Bug

String formatting should not lead to runtime errors

₩ Bua

Recursion should not be infinite

🖟 Bug

Silly equality checks should not be made

🖟 Bug

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

The number and name of arguments passed to a function should match its parameters

Analyze your code

Search by name...

R Bug Blocker

Tags

cwe

Calling a function or a method with fewer or more arguments than expected will raise a TypeError. This is usually a bug and should be fixed.

Noncompliant Code Example

############################ # Positional Arguments #############################

 $param_args = [1, 2, 3]$

 $param_kwargs = \{'x': 1, 'y': 2\}$

def func(a, b=1): print(a, b)

def positional_unlimited(a, b=1, *args):

print(a, b, *args)

func(1)

func(1, 42)

func(1, 2, 3) # Noncompliant. Too many positional argu func() # Noncompliant. Missing positional argument for

positional_unlimited(1, 2, 3, 4, 5)

def positional_limited(a, *, b=2): print(a, b)

positional_limited(1, 2) # Noncompliant. Too many posi

Unexpected Keyword argument

##############################

def keywords(a=1, b=2, *, c=3): print(a, b, c)

keywords(1)

keywords(1, z=42) # Noncompliant. Unexpected keyword a

def keywords_unlimited(a=1, b=2, *, c=3, **kwargs): print(a, b, kwargs)

keywords unlimited(a=1, b=2, z=42)

Security Hotspot

Hard-coded credentials are securitysensitive

Security Hotspot

Functions returns should not be
invariant

Code Smell

The "exec" statement should not be
used

Code Smell

Backticks should not be used

Code Smell

See

• MITRE, CWE-628 - Function Call with Incorrectly Specified Arguments

Available In:

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