Security

Hotspot

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TypeScript static code analysis

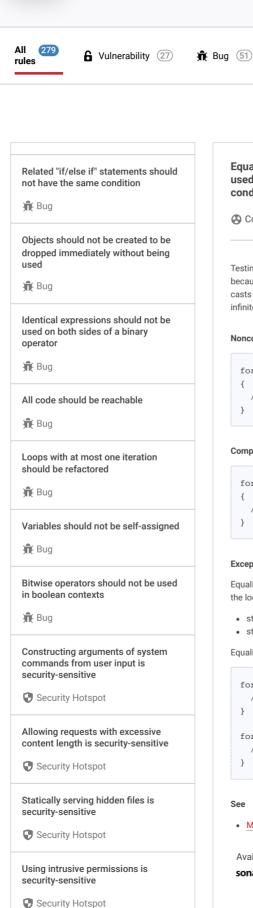
Unique rules to find Bugs, Vulnerabilities, Security Hotspots, and Code Smells in your TYPESCRIPT code



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Equality operators should not be
used in "for" loop termination
                                                 Analyze your code
conditions
cwe suspicious
Testing for loop termination using an equality operator (== and !=) is dangerous,
because it could set up an infinite loop. Using a broader relational operator instead
casts a wider net, and makes it harder (but not impossible) to accidentally write an
infinite loop.
Noncompliant Code Example
  for (var i = 1; i != 10; i += 2) // Noncompliant. Infinite;
    //...
Compliant Solution
  for (var i = 1; i <= 10; i += 2) // Compliant
    //...
Exceptions
Equality operators are ignored if the loop counter is not modified within the body of
the loop and either:
 • starts below the ending value and is incremented by 1 on each iteration.
 • starts above the ending value and is decremented by 1 on each iteration.
Equality operators are also ignored when the test is against null.
```

for (var i = 0; arr[i] != null; i++) {

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See

Available In:

for (var i = 0; (item = arr[i]) != null; i++) {

• MITRE, CWE-835 - Loop with Unreachable Exit Condition ('Infinite Loop')

(158)

Disabling auto-escaping in template engines is security-sensitive

Security Hotspot

Using shell interpreter when executing OS commands is security-sensitive

Security Hotspot

Setting loose POSIX file permissions is security-sensitive

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Formatting SQL queries is security-sensitive

Security Hotspot

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