# sonar RULES

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## Scala static code analysis

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

| All rules **41** | 🐛 Bug ⑥ | 🛡 Security Hotspot ② | ☢ Code Smell ㉝ |

Tags ⌄        Search by name... 🔍

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commented out
☢ Code Smell

**Unused function parameters should be removed**
☢ Code Smell

**Unused "private" methods should be removed**
☢ Code Smell

**Track uses of "FIXME" tags**
☢ Code Smell

**Nested blocks of code should not be left empty**
☢ Code Smell

**Functions should not have too many parameters**
☢ Code Smell

**Collapsible "if" statements should be merged**
☢ Code Smell

**Using hardcoded IP addresses is security-sensitive**
🛡 Security Hotspot

**Multi-line comments should not be empty**
☢ Code Smell

**Boolean checks should not be inverted**
☢ Code Smell

**Unused local variables should be removed**
☢ Code Smell

**Local variable and function parameter names should comply with a naming convention**

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### All code should be reachable

**Analyze your code**

🐛 Bug   ⬡ Major ⓘ    🏷 cwe  unused

Jump statements (`return`) move control flow out of the current code block. So any statements that come after a jump are dead code.

**Noncompliant Code Example**

```scala
def foo(a: Int) {
  val i = 10;
  return a + i;       // Noncompliant
  bar;                // dead code
}
```

**Compliant Solution**

```scala
def foo(a: Int): Int {
  val i = 10;
  return a + i;
}
```

**See**

- MITRE, CWE-561 - Dead Code

Available In:

sonarlint  |  sonarcloud  |  sonarqube

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convention

⊗ Code Smell

**Boolean literals should not be redundant**

⊗ Code Smell

**Class names should comply with a naming convention**

⊗ Code Smell

**Method names should comply with a naming convention**

⊗ Code Smell

**Track uses of "TODO" tags**

⊗ Code Smell