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Java static code analysis

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

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Abstract class names should comply with a naming convention




Code Smell

Strings literals should be placed on the left side when checking for equality




Code Smell

Files should contain an empty newline at the end




Code Smell

Source code should be indented consistently




Code Smell

A close curly brace should be located at the beginning of a line




Code Smell

Close curly brace and the next "else", "catch" and "finally" keywords should be on two different lines




Code Smell

Close curly brace and the next "else", "catch" and "finally" keywords should be located on the same line




Code Smell

An open curly brace should be located at the beginning of a line




Code Smell

An open curly brace should be located at the end of a line




Code Smell

Tabulation characters should not be used



Code Smell


Functions should not be defined with a variable number of arguments





Code Smell

Exit methods should not be called

Analyze your code

 Code Smell

 Blocker

 cwe cert suspicious

Calling `System.exit(int status)` or `Rutime.getRuntime().exit(int status)` calls the shutdown hooks and shuts downs the entire Java virtual machine. Calling `Runtime.getRuntime().halt(int)` does an immediate shutdown, without calling the shutdown hooks, and skipping finalization.

Each of these methods should be used with extreme care, and only when the intent is to stop the whole Java process. For instance, none of them should be called from applications running in a J2EE container.

Noncompliant Code Example

```
System.exit(0);
Runtime.getRuntime().exit(0);
Runtime.getRuntime().halt(0);
```




Exceptions

These methods are ignored inside `main`.

See

- [MITRE, CWE-382](#) - Use of `System.exit()`
- [CERT, ERR09-J.](#) - Do not allow untrusted code to terminate the JVM

Available In:

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https://rules.sonarsource.com/java/RSPEC-1147

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<div>Track uses of "@SuppressWarnings" annotations</div> <div> Code Smell</div>