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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

"Serializable" inner classes of "Serializable" classes should be static

Analyze your code

Code Smell

Minor ?

serialization cert pitfall

Serializing a non-static inner class will result in an attempt at serializing the outer class as well. If the outer class is actually serializable, then the serialization will succeed but possibly write out far more data than was intended.

Making the inner class static (i.e. "nested") avoids this problem, therefore inner classes should be static if possible. However, you should be aware that there are semantic differences between an inner class and a nested one:

- an inner class can only be instantiated within the context of an instance of the outer class.
- a nested (static) class can be instantiated independently of the outer class.

Noncompliant Code Example

```
public class Raspberry implements Serializable {
    // ...

    public class Drupelet implements Serializable { // Noncompliant
        // ...
    }
}
```

Compliant Solution

```
public class Raspberry implements Serializable {
    // ...

    public static class Drupelet implements Serializable {
        // ...
    }
}
```

See

- [CERT, SER05-J](#) - Do not serialize instances of inner classes

Available In:

sonarlint

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https://rules.sonarsource.com/java/RSPEC-2059

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