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Scala
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T-SQL
VB.NET
VB6
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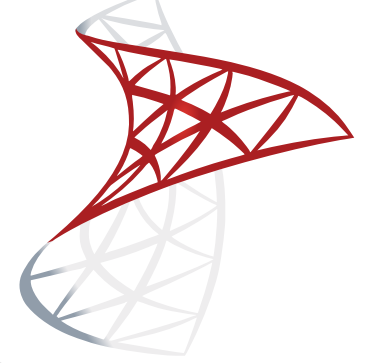
T-SQL static code analysis

Unique rules to find Bugs, Vulnerabilities, Security Hotspots, and Code Smells in your T-SQL code

All rules 80 | 🔒 Vulnerability ① | 🐛 Bug 16 | 🛡 Security Hotspot ④ | ⚙ Code Smell 59

Tags ⌄   Search by name... 🔍

Conditionals should start on new lines
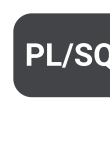⚙ Code Smell

"INSERT" statements should explicitly list the columns to be set
⚙ Code Smell

Output parameters should be assigned
🐛 Bug

Queries that use "TOP" should have an "ORDER BY"
🐛 Bug

All branches in a conditional structure should not have exactly the same implementation
🐛 Bug

"WHERE" clause conditions should not be contradictory
🐛 Bug

Unary prefix operators should not be repeated
🐛 Bug

"NULL" should not be compared directly
🐛 Bug

Related "IF"/"ELSE IF" statements and "WHEN" clauses in a "CASE" should not have the same condition
🐛 Bug

Identical expressions should not be used on both sides of a binary operator
🐛 Bug

All code should be reachable
🐛 Bug

Conditionals should start on new lines

Analyze your code

⚙ Code Smell   ⬆ Critical ?   🏷 suspicious

Code is clearest when each statement has its own line. Nonetheless, it is a common pattern to combine on the same line an `IF` and its resulting `then` statement. However, when an `IF` is placed on the same line as the closing `END` from a preceding `ELSE` or `ELSE IF`, it is either an error - `ELSE` is missing - or the invitation to a future error as maintainers fail to understand that the two statements are unconnected.

Noncompliant Code Example

```
IF (condition1) BEGIN
    EXEC something
END IF (condition2) BEGIN  -- Noncompliant
    EXEC something
END
```

Compliant Solution

```
IF (condition1) BEGIN
    EXEC something
END ELSE IF (condition2) BEGIN
    EXEC something
END
```

Or

```
IF (condition1) BEGIN
    EXEC something
END

IF (condition2) BEGIN
    EXEC something
END
```

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