



T-SQL static code analysis


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

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Tags

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

 Bug


All code should be reachable

 Bug


Loops with at most one iteration should be refactored

 Bug


Variables should not be self-assigned

 Bug


"GOTO" statements should not be used

 Code Smell


Deprecated system tables and views should not be used

 Code Smell


"ANSI_NULLS", "ANSI_PADDING" and "CONCAT_NULL_YIELDS_NULL" should not be configured

 Code Smell


"@@IDENTITY" should not be used

 Code Smell


"COALESCE", "IIF", and "CASE" input expressions should not contain subqueries

 Code Smell

"CHECK" or "NOCHECK" should be specified explicitly when constraints are activated

 Code Smell


Deprecated features should not be used


 Code Smell


Multiline blocks should be enclosed in BEGIN END

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

Analyze your code

 Bug

 Major



Using the same value on either side of a binary operator is almost always a mistake. In the case of logical operators, it is either a copy/paste error and therefore a bug, or it is simply wasted code, and should be simplified. In the case of bitwise operators and most binary mathematical operators, having the same value on both sides of an operator yields predictable results, and should be simplified.

This rule ignores operators `+` and `*`, and expressions: `1=1`, `1<>1` and `1!=1`.



Exceptions

This rule ignores `*`, `+`, and `=`.

See

- [CERT, MSC12-C](#). - Detect and remove code that has no effect or is never executed
- `{rule:tsql:S1656}` - Implements a check on `=`.

Available In:

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