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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

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Expressions should not be too complex
Code Smell

"WHERE" clauses should not contain redundant conditions
Bug

Track lack of SQL Server session configuration
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Duplicate values should not be passed as arguments
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Track parsing failures
Code Smell

Functions and stored procedure should not have too many lines of code
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Track uses of "NOSONAR" comments
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Statements should be on separate lines
Code Smell

"WHEN" clauses should not have too many lines of code
Code Smell

Files should not have too many lines of code
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Lines should not be too long
Code Smell

Reserved keywords should not be used as identifiers or object names

Expressions should not be too complex

Analyze your code

Code Smell | Critical | brain-overload

The complexity of an expression is defined by the number of AND and OR operators it contains.

A single expression's complexity should not become too high to keep the code readable.

Noncompliant Code Example

With the default threshold value of 3

```
IF ((@a = 1 AND @b > 2) OR (@c <> 3 AND @d <= 4)) AND @e IS NULL
  ...
```

Available In:

sonarlint | sonarcloud | sonarqube Developer Edition