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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

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Tags

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Code Smell

Duplicate values should not be passed as arguments
Code Smell

Track parsing failures
Code Smell

Functions and stored procedure should not have too many lines of code
Code Smell

Track uses of "NOSONAR" comments
Code Smell

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
Code Smell

Lines should not be too long
Code Smell

Reserved keywords should not be used as identifiers or object names
Code Smell

Non-standard comparison operators should not be used
Code Smell

Tabulation characters should not be used
Code Smell

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

Analyze your code

Code Smell   Major   brain-overload

As soon as a `WHEN` clause contains too much logic this highly decreases the readability of the overall expression. In such case, the content of the `WHEN` clause may be extracted into a dedicated function.

Noncompliant Code Example

With a threshold of 5:

```
SELECT CASE column1
  WHEN 1 THEN
    CASE column2
      WHEN 'a' THEN -- Noncompliant, 7 lines till ELSE
        'x'
      ELSE
        'y'
      END
  ELSE
    42
  END
FROM table1;
```

Compliant Solution

```
SELECT CASE
  WHEN column1 = 1 AND column2 = 'a' THEN
    'x'
  WHEN column1 = 1 THEN
    'y'
  ELSE
    42
  END
FROM table1;
```

Available In:

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