


PL/SQL


PL/SQL static code analysis

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


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 Code Smell


Track breaches of an XPath rule

 Code Smell


Track uses of "NOSONAR" comments

 Code Smell


Track comments matching a regular expression

 Code Smell


Statements should be on separate lines

 Code Smell


"WHEN" clauses should not have too many lines

 Code Smell


Magic numbers should not be used

 Code Smell


Files should not have too many lines of code

 Code Smell


Lines should not be too long

 Code Smell


Explicitly opened cursors should be closed

 Bug


Identifiers should be written in lower case

 Code Smell

"PLS_INTEGER" types should be used




 Code Smell

Reserved words should be written in upper case

 Code Smell

Track breaches of an XPath rule

[Analyze your code](#)

 Code Smell  Major 

This rule allows the definition of custom rules using XPath expressions.





Issues are created depending on the return value of the XPath expression. If the XPath expression returns:

- a single or list of AST nodes, then a line issue with the given message is created for each node
- a boolean, then a file issue with the given message is created only if the boolean is true
- anything else, no issue is created

On the following code, the XPath expression `//IDENTIFIER[string-length(@tokenValue) >= 10]` generates a violation on the identifier "aaaaaaaaaa":

```
DECLARE
    aaaaaaaaaa NUMBER := 10; /* Non-Compliant, this identifier is 10 characters long */
    aaaaaaaaaa NUMBER := 9; /* Compliant, this one is only 9 */
BEGIN
    NULL;
END;
/
```

Available In:

  |   Developer Edition