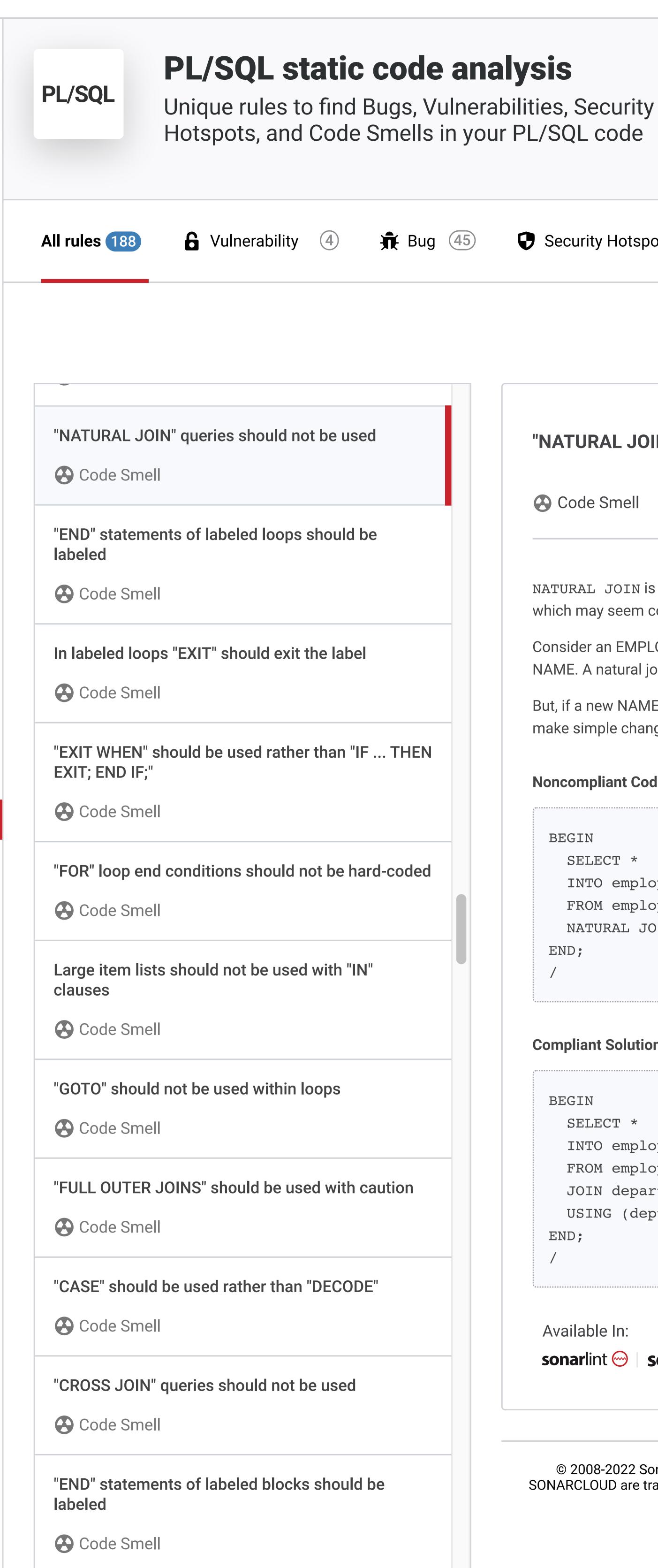


Secrets **ABAP** Apex C++ CloudFormation COBOL C# CSS Flex **=GO** Go HTML Java JavaScript Kotlin Kubernetes Objective C PL/I PL/SQL Python **RPG** Ruby Scala Swift Terraform Text TypeScript T-SQL **VB.NET** VB6 XML



Two branches in a conditional structure should not

have exactly the same implementation

```
Hotspots, and Code Smells in your PL/SQL code
                                                                                         Code Smell (137)
                                         R Bug (45)
                Vulnerability
                                  4
                                                           Security Hotspot
                                                                                 (2)
                                                                                                                                Tags
                                                                                                                                                              Search by name...
"NATURAL JOIN" queries should not be used
                                                                                                                                                        Analyze your code
                                                             "NATURAL JOIN" queries should not be used
                                                              "END" statements of labeled loops should be
                                                             NATURAL JOIN is a type of equi-join which implicitly compares all identically-named columns of the two tables. While this a feature
                                                             which may seem convenient at first, it becomes hard to maintain over time.
                                                              Consider an EMPLOYEE table with the columns FULL_NAME, and DEPT_ID, and a DEPARTMENT table with the columns DEPT_ID, and
In labeled loops "EXIT" should exit the label
                                                             NAME. A natural join between those tables will join on the DEPT_ID column, which is the only identically-named column.
                                                             But, if a new NAME column is later added to the EMPLOYEE table, then the join will be done on both DEPT_ID and NAME. Natural joins
                                                             make simple changes such as adding a column complicated and are therefore better avoided.
"EXIT WHEN" should be used rather than "IF ... THEN
                                                             Noncompliant Code Example
                                                               BEGIN
                                                                  SELECT *
"FOR" loop end conditions should not be hard-coded
                                                                  INTO employeeArray
                                                                  FROM employee
                                                                  NATURAL JOIN departement; -- Non-Compliant, the join predicate is implicit
                                                               END;
Large item lists should not be used with "IN"
                                                             Compliant Solution
"GOTO" should not be used within loops
                                                               BEGIN
                                                                  SELECT *
                                                                  INTO employeeArray
                                                                  FROM employee
"FULL OUTER JOINS" should be used with caution
                                                                  JOIN departement
                                                                  USING (dept_id); -- Compliant, explicit join predicate
                                                               END;
"CASE" should be used rather than "DECODE"
                                                               Available In:
                                                              sonarlint  sonarcloud  sonarqube Developer Edition
"CROSS JOIN" queries should not be used
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"END" statements of labeled blocks should be
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