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Exclusion of inner classes in query for jQAssistant



0



I would like to implement some naming conventions with the help of [jQAssistant](#). All classes implementing the `PropertyConverter` interface should have names ending with `Converter`. This rule does not apply to anonymous inner classes. Now I have two queries. This one returns all classes violating the naming rule:

```
MATCH (t:Type)-[:IMPLEMENTS]->(i:Type)
WHERE i.fqn='PropertyConverter' And
NOT t.name =~ '.*Converter'
RETURN t.fqn
```

But this query also returns inner classes which have names like `ABC$1`. I can find these classes with the following query:

```
MATCH (t:Type)-[:IMPLEMENTS]->(i:Type)
WHERE i.fqn='org.apache.tamaya.PropertyConverter'
AND NOT t.name =~ '.*Converter'
WITH t
MATCH (h:Type)-[:DECLARES]->(t)
RETURN distinct t.fqn, h.fqn
```

But I was unable to combine both queries so that I will get only the results of the first query which are not contained in the second result set.

How can I combine both queries?

java neo4j cypher jqassistant

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asked Apr 12 at 6:52



Oliver F.

1,125 ● 12 ● 25

1 Answer

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The best approach would be using the pre-defined concept to identify anonymous inner types ("java:AnonymousInnerType"). It comes with the Java plugin and would make your constraint look like this:

```
<constraint id="...">
  <requiresConcept refId="java:AnonymousInnerType" />
  <description>All classes implementing the PropertyConverter interface must have th
</description>
  <cypher>
    MATCH
      (t:Type)-[:IMPLEMENTS]->(i:Type)
    WHERE
      i.fqn='PropertyConverter'
      and not t:Anonymous:Inner
      and not t.name =~ '.*Converter'
    RETURN
      t.fqn
  </cypher>
</constraint>
```

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edited Apr 13 at 19:34



Oliver F.

1,125 ● 12 ● 25

answered Apr 12 at 21:02



Dirk Mahler


56 ● 4

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