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# Neo4j 2.2 Transaction Endpoint: Forcing Cypher Planner Not Supported

New issue

Closed

bunkat opened this issue Apr 17, 2015 · 6 comments



bunkat commented Apr 17, 2015

Due to issues with the COST planner, I tried to force the RULE planner for queries that are executed as part of a transaction (as my application normally does vs testing in the web interface).

In the web interface, this works as expected:

```
PLANNER RULE
MATCH (t:task {id: "foobar" })
RETURN t
```

But when attempted within a transaction that hits the HTTP Cypher query transaction endpoint, I get this instead:

```
E0417 15:31:34.034783 8953 transaction.go:206] Transaction Get Task failed with errors
E0417 15:31:34.034816 8953 transaction.go:207] [{Neo.ClientError.Statement.InvalidSyntax Invalid
input 'P': expected (line 1, column 1 (offset: 0))
"PLANNER RULE"
^}]
E0417 15:31:34.034837 8953 transaction.go:210]
PLANNER RULE
```

Based on a comment in another issue, I have to do this instead which seems to force the query planner to use the RULE planner.

```
MATCH (t:task {id: "foobar" })
RETURN t SKIP 0
```

Labels

None yet

Milestone

No milestone

Assignee

No one assigned

2 participants



jexp commented Apr 17, 2015

Collaborator

It works for me:

```
:POST /db/data/transaction/commit {"statements":[{"statement":"planner rule match n return
n limit 1"}]}
```

```
:POST /db/data/transaction/commit {"statements":[{"statement":"planner rule match n return
{
  "results": [
    {
      "columns": [
        "n"
      ],
      "data": [
        {
          "row": [
            {
              "fileName": "/Users/mh/java/software/jqassistant/distribution/target/distrib
            }
          ]
        }
      ]
    }
  ],
  "errors": []
}]}
```

Otherwise can you try to use CYPHER 2.2 PLANNER RULE ....



bunkat commented Apr 17, 2015

Neither PLANNER RULE nor CYPHER 2.2 PLANNER RULE are working for me. I posted my raw query at <https://gist.github.com/bunkat/d7b4fb691d6f609989c5>. I double checked and am hitting the correct URL with the correct POST operation. Is there a setting somewhere I might need to change?



jexp commented Apr 17, 2015

Collaborator

And the correct Neo4j version I presume? (2.2+)

I thought it was related to your prepended `\n` but even that works for me:

```
:POST /db/data/transaction/commit {"statements":[{"statement":"\n planner rule match n
return n limit 1"}]}
```

even with curl

```
curl -H accept:application/json -H content-type:application/json -d'{"statements":[{"state
{"results":[{"columns":["n"],"data":[{"row":[{"fileName":"/Users/mh/java/software/jqassist
```



bunkat commented Apr 17, 2015

Yep, I'm running 2.2.0 currently. Is this something that was fixed in 2.2.1?

Your curl statement fails for me:

```
curl -H accept:application/json -H content-type:application/json -d'{"statements":[{"state
```

```
{"results":[],"errors":[{"code":"Neo.ClientError.Statement.InvalidSyntax","message":"Invalid input 'p':
expected (line 1, column 1 (offset: 0))\n\"planner rule match n return n limit 1\"\\n ^"}]}
```



jexp commented Apr 17, 2015

Collaborator

Oh yes, sorry I am running 2.2.1



bunkat commented Apr 18, 2015

Confirmed that this is resolved in 2.2.1.



**bunkat** closed this Apr 18, 2015

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