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Case 1: EXECUTE IMMEDIATE with **SELECT ... INTO**

Description

EXECUTE IMMEDIATE with SELECT ... INTO syntax is currently not supported in DB2.

Example:
```
EXECUTE IMMEDIATE 'SELECT COUNT (table_name) ' || ' FROM ' || v_temp_table INTO v_found;
```

Solution

Rewrite using `EXECUTE IMMEDIATE 'SET ? = (SELECT ...)' INTO ...`

Example:
```
EXECUTE IMMEDIATE 'SET ? = (SELECT COUNT (table_name) ' || ' FROM ' || v_temp_table) ' INTO
v_found;
```

Case 2: EXECUTE IMMEDIATE with **SELECT ... FOR UPDATE**

Description

EXECUTE IMMEDIATE with SELECT ... FOR UPDATE syntax is currently not supported in DB2.

Example:
```
sql_stmt := 'SELECT lastname,salary FROM employee WHERE empno = :1 FOR UPDATE';
EXECUTE IMMEDIATE sql_stmt INTO v_name,v_sal USING v_id;
```

Solution

Rewrite using `EXECUTE IMMEDIATE 'SET (?,?..) = SELECT ...' WITH RS USE AND KEEP UPDATE LOCKS ...`

Example:
```
sql_stmt := 'SET (?,?) = (SELECT lastname,salary FROM employee WHERE empno = :1
WITH RS USE AND KEEP UPDATE LOCKS)';
EXECUTE IMMEDIATE sql_stmt INTO v_name,v_sal USING v_id;
```

Comments

Francesco_Proietti 2017-08-25 11:25:03.23
Well :), clear. Sorry for the previous comment. Thanks.

nivanov 2017-08-25 09:45:50.819
@Francesco_Proietti This post talks about Oracle compatibility mode, hence the EXECUTE IMMEDIATE statement follows PL/SQL syntax (https://www.ibm.com/support/knowledgecenter/SSEPGG_10.5.0/com.ibm.db2.luw.apdv.plsql.doc/doc/r0055453.html), while you in your example use DB2 SQL PL.

Francesco_Proietti 2017-08-24 09:48:37.232
Hi, just reporting my experience for the case 1. Against my environment (DB2 LUW ESE 9.7 on Windows and AIX too), the proposed solution doesn't work. Instead, the following works for me: ... SET stmt = 'SET (?) = (SELECT COUNT(*) FROM invalid_travels IT JOIN '||V.TABNAME||' A ON IT.ID_TRAVEL = A.ID_TRAVEL) '; PREPARE countStmt FROM stmt; EXECUTE countStmt INTO cont; ... EXECUTE IMMEDIATE 'SET ? = (QUERY)' INTO var always reports a syntax error (-104) . In fact, as reported in IBM Information Center, the EXECUTE IMMEDIATE statement only supports BULK COLLECT INTO. (correct me if I'm wrong) Bye. Francesco Proietti