DAL: Need Select Privilege for Insert or Update

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TOPIC ---

Here is a short description of the error case we encountered that prompted
us to ask for the DAL to DB2 SQL mapping.

1) For a user with insert or update privileges, but not the select
   privilege on a table. The following error occurs when inserting on the
   table, using DAL on DAL Terminal.

   ••••Remote DAL Error••••
   •Error: undefined table name in database (-10204) table not found in
   database "network", line 1 : DSNT408I SQLCODE = -551, ERROR: MSRCJAP
   DOES NOT HAVE THE PRIVILEGE TO PERFORM   OPERATION SELECT ON
   OBJECT MSRCIV11.P_I_CLUB_SET   DSNT415I SQLERRP =
   DSNXOSC SQL PROCEDURE DETECTING ERROR

   The trace on the mainframe shows that the first SQL statement executed in
   DB2 is a SELECT.

2) When the user is granted select privilege, the error disappears.

3) The error only occurs when the insert or update is done on the DAL
   Terminal or HyperCard using DAL. Users can insert or update on the
   table on the mainframe using DB2 SQL.

4) When the user is granted the select privilege and then the privilege is
   revoked, the error disappears.

We are using v1.3.5f1 of the MVS/VTAM server.

DISCUSSION --

As part of its architecture, DAL does a select to verify the row names in
the table prior to doing an insert. This hasn't been a problem to other
customers. We don't understand why you grant update and insert capabilities,
but not select to some users. These users have no way to verify that the
insert or update took place correctly.

Here is a workaround. Use the "EXECUTE IN..." statement, and do the insert
directly (that is, bypassing DAL). You won't be able to verify the insert, and
you can't verify it with their security profile. So, the functionality should
be identical.

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