



Tech Info Library

DAL: Privileges for Accessing DB2 Tables

Article Created: 15 June 1992

* RESTRICTED: Apple Internal and Support Providers Only *
Not For General Public Release

TOPIC -----

Configuration:

- DAL 1.3.5
- SNA•ps/LU6.2
- Apple Token Ring 4/16 Card

Currently, we have given access privileges to individual users (user IDs) to individual tables in production on DAL, and that works fine. But this method requires a lot of maintenance and extra work for the database administrators. For example, each time we need to add a new user to use the application for DAL access, we have to give access privileges to his/her userid to 12 different DB2 tables.

We need to be able to give DB2 access privileges (select, update, delete) to users to access our production tables without giving access privileges to the whole world (PUBLIC access) or to each individual user. We understand that there is an alternate way of giving privileges to DB2 tables via secondary authorization IDs/ RACF.

Is this a DAL feature or implementation? Does DAL support secondary authorization IDs? We need to find out whether that's true, and if it is, we need to know how to set up DB2 and DAL to accomplish this task. Can we establish Account or User ID aliases under MVS, VTAM, or DB2?

DISCUSSION -----

Yes, DAL supports secondary authorization IDs via the "Open Database 'ssid' as user 'secauthid'; " command. In an application, it would be the same as entering a userid at the Database selection screen.

DAL determines which table specific users can access in one of three ways:

- 1) Search for a view that has the user's TSO user ID as the creator name and CL1DBV01 as the view name. You can create this view for each user with a select clause that specifies the TCREATOR and TTNAME from the

SYSIBM.SYSTABAUTH catalog table, limited by the site as desired. This method gives you maximum control over the tables seen by each DAL user.

- 2) If there's no userid.CL1DBV01 view, DAL tries the general user view specified in the DESTAB portion of the DAL environment file. This method is used to specify a single set of tables that are available for reviewing by all DAL users.
- 3) If neither of the above views is defined, DAL searches the system catalog table, SYSIBM.SYSTABAUTH, for all the table names where either:
 - The table creator isn't SYSIBM, the grantee is PUBLIC, and the grantor isn't the userid, or
 - The grantee is the userid.

The third method generates a list of all tables and views accessible by the users, plus all publicly accessible tables owned by other users, excluding the system catalog. This method won't work if the system catalogs don't have read access granted to all users or to the public.

For more information, please refer to Appendix B of the DAL Server Installation and Operations Guide.
Copyright 1992 Apple Computer, Inc.

Keywords: <None>

=====

This information is from the Apple Technical Information Library.

19960215 11:05:19.00

Tech Info Library Article Number: 10351