DAL: Using CL/1 XCMDS (2/93)

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TOPIC ----------

I'm using the CL1-etc. XCMDs/XFCNs for DAL and was wondering if anyone else has been able to open links into more than one remote database server at a time. It seems that some method should be available to swap in a new set of values into the global variables (cl1_id, etc.), and provide a means of management of multiple database links. I can't figure it out from the DAL manuals.

DISCUSSION ----------

It is possible with DAL (Data Access Language, formerly known as CL/1) to maintain multiple network sessions and/or multiple DMBS/Database connections.

The choices are:

- A single server connection with multiple DBMSes and Databases. VMS supports the most DBMS/Database combinations.

  Exceptions are:

  1) The VM server has only one DBMS and does not support more than one Database being open in one network connection.

  2) The TSO and VTAM servers will support both DBMSes (DB2 and Teradata) being open, but will only support one Database being open in DB2. (We're not sure about the number of open databases Teradata will support, because we don't have logon access to more than one database.)

- Multiple network connections to multiple servers, each with a separate

Network, DBMS and Database. To support multiple network connections would require multiple Userids.

In either case, the application must maintain control of the Database and DBMS that is being accessed.

The CL1Init XCMD automatically returns the session id in the cl1_id global. This session id can then be saved and used to control which connection is being used.

The DAL Interactive stack, which ships with the Data Access Language Developer's Toolkit, supports multiple connections and its scripts can be referenced for further information.

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