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DAL 1.2: Problem Accessing VM Host (11/94)

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Security:       Everyone
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TOPIC ---

1) I'm trying to get DAL 1.2 for VM to work with an IBM 3090. I'm
   using a Macintosh II connected by a coax, a DCA MacIrma card, and am
   running "DAL debugger for MacIrma".

   After trying several times, I keep getting the error #10646 (-43). What
   does this error mean?

2) What state should the server be in when attempting access?

3) What programming languages support DAL development?

DISCUSSION --

1) Error -10646 means the DAL client cannot load the Network Adapter.
   You probably have the wrong driver installed. MacIrma is shipping with
   the HLLAPI drivers, which DAL doesn't support. You need to call DCA
   and get the Apple API drivers. Apple does not have the rights to
   distribute them, so you have to get them from DCA.

   To verify this, the following files should be in the system folder:

      DFT: "MacIrma SNA 2.1.0" (or .1) and "MacIrma DAL Driver" 1.2.0
      CUT: "MacIrma DAL Driver" 1.2.0

    In addition, be sure that your coax line is correctly identified as CUT
    or DFT in you DAL connention script.

2) Once a session is established between the DAL client and the DAL
   server, the server will be ready to accept any request from the client.
   Perhaps an explanation of DAL Request/Reply relationship would help:

DAL uses a request/reply relationship between the desktop and the
server(s). The user connects to the host machine using the query tool
(HyperCard, 4th Dimension, or a custom C or Pascal program). The query
tool application passes the request to the DAL API, which in turn
establishes a connection to the host server. The DAL server on the host
receives the request and translates it to the SQL dialect of the opened
database. The server then checks the syntax and passes the translated
request to the proper database. The database complies and passes the
data back to the DAL Host Server. The Host Server checks for errors,
mapping them to the standard error set that DAL supports. The server
then assembles the results returned from the database sends them to the
Macintosh. The query application sees the results are available and
begins to put them, item by item into its own window (such as a
spreadsheet window).

3) DAL provides Application Programming Interfaces for C, Pascal, and
   HyperCard.

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