# Tech Info Library

## DAL: DB2 Data Updates Concerns (11/94)

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Security:       Everyone
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TOPIC -------------------------------------------------------------

We have developed the first phase of an enterprise-wide DSS system using DAL up
to a DB/2 database.  We need to query information and do real-time updates to
the database.

From the query standpoint, everything works fine, but I have some concerns
regarding updating the host database.  Overall, we want to set up standards and
procedures for updating DB/2 data from Macintoshes. Dynamic SQL gives us the
capability to update the host, but MIS may not allow its use, due to backup,
recovery, security, and other control issues. As alternatives to dynamic SQL, we
could use batch mode on the host or COBOL to do the updates.

This is more of an organizational issue than a strict technical problem. Has
anyone else faced the same issues, developed guidelines, and so on?

DISCUSSION --------------------------------------------------------

The fact that DAL uses dynamic, not static, SQL is not really the issue. You
need to establish security by user or user group regardless of the kind of SQL
used to access the tables.

The problems and concerns with backup and recovery are a function of the DB2
design and would exist if you used static SQL and CICS to do transaction
updates.  If you want neat backup points (for possible recovery later), you will
have to do your updates in batch programs with quiesce points before and after.
We are not aware of any guidelines established to address this issue.


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Support Information Services

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