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DAL and Omnis 7: Using The Break Function (3/93)

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TOPIC -----

When querying a table of 18,000 rows, the query returned 10,000 rows. I wanted to cancel the output, but DAL would not stop sending output until all rows had been sent, or until I restarted the computer.

I contacted Blyth about Omnis 7 and DAL, they said it was a problem with DAL. However I believe this is an Omnis 7 problem.

Is, or isn't, it possible to interrupt DAL while it is sending output?

This is the VTAM DAL server connected via an Avatar board.

I tried similar scenarios on an AS/400 DAL Server using Clear Access; output aborted successfully.

DISCUSSION -----

- The lack of break in Omnis 7 is an Omnis problem.
- DAL supports the break function for the VAX, A/UX, TSO, VTAM and VM servers for AppleTalk, Async, TCP and 3270 protocol connections. The break is not supported for APPC connections to either VTAM or AS/400.

We have never had a copy of Omnis so we haven't been able to test with it. The Product Manager at Blyth told us that Omnis does not support DAL API calls directly. Therefore it would not support the break function, as that is a DAL API call.

As far as the break "working" in Clear Access to the AS/400:

- Clear Access does support the CLBreak API call: no problem there.

- The SNA•ps APPC network adapter does not support the actual interruption of the data being returned because of constraints in that network protocol.

The SAN•ps APPC network adapter most definitely will NOT support the termination of data from the server. We have done a lot of testing on this issue to the VTAM server and have also checked out this function to the AS/400 server. It does not work with either. The application handles the break request, but subsequent attempts to query the server have to wait for the data to be finished being sent from the first query.

The lack of break functionality in the SNA•ps APPC network adapter is not considered a "bug" by engineering, but rather a "constraint of the protocol". Therefore, DAL engineering is not planning to fix the APPC network adapter to support the break function at this time.

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