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DAL Server for MVS/VTAM: Features & Benefits

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Article Change History

07/09/92 - REVIEWED
            • For technical accuracy

TOPIC ---

This article describes the Data Access Language (DAL) Server for MVS/VTAM.

DISCUSSION --

The DAL Server for MVS/VTAM is a multi-user server product that provides
DAL access to IBM Database 2 (DB2) and Teradata DBC/1012 databases on an
MVS host system. The DAL Server works cooperatively with personal computer
applications that support DAL (such as spreadsheets, databases, and query
tools running on Macintosh computers) while running under MVS, either
directly through native VTAM or under CICS.

A complete connectivity setup for MVS includes a client personal computer
running an application with embedded DAL support and an MVS host with the
DAL Server. The DAL Server receives requests from the personal computer
application, carries them out on MVS against DB2 or DBC/1012, and sends the
desired data back to the application for desktop processing.

The DAL Server for MVS/VTAM provides uniform support for DAL-based
applications. It works with existing DB2 and DBC/1012 databases, operating
under standard MVS, DB2, and Teradata security. As a result, you receive
transparent access to the data that you have authorization to access.

Features

- Operates as an MVS Batch Job either directly accessed through native VTAM

or a CICS Passthru connectivity

- Uniform support for DAL clients

- Asynchronous operation

- Incremental compiler implementation

- Trace facility

- Additional product, an interactive utility (IDAL) for testing DAL program
  statements

- Stored procedures

- Sample tables

- Support for Macintosh computers connected by way of Apple's Coax/Twinax,
  TokenTalk NB and Serial NB cards, Avatar's MacMainFrame, DCA's
  MacIRMA, TriData's Netway 1000/2000 products, Apple's SNA•ps APPC and
  3270 Gateways as well as asynchronous dial-in to a protocol converter
  (supporting VT100 terminal type).

- Support for Macintosh computers connected asynchronously to a host
  computer with a compatible protocol converter installed

Benefits

- Maintains the security and integrity of MVS, DB2, and Teradata systems.

- Allows one server to support all personal computers running DAL-
  compatible Macintosh applications.

- Once the connection is made, returns program control to the Macintosh so
  that the user can perform other tasks while the DAL Server carries out
  the requested operation on the host.

- Improves performance for repetitive requests.

- Reduces the client system processing load.

- Facilitates debugging and system tuning.

- Minimizes network traffic by storing commonly executed procedures on the
  host, where they can be shared.

- Makes developing and testing applications easier.

- Allows you to run applications on Macintosh computers regardless of the
  hardware connection to the host.

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