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Data Access Language Server for VAX/VMS: Features & Benefits

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TOPIC -----

This article describes the Data Access Language (DAL) Server for VAX/VMS.

DISCUSSION -----

The DAL Server for VAX/VMS is a networking software product that provides DAL access to files and databases on a VAX/VMS host system. The DAL Server runs on a VAX/VMS host and works cooperatively with personal computer applications that support DAL, such as spreadsheets, databases, and query tools on Macintosh computers.

A complete connectivity setup for VAX/VMS includes a client personal computer running an application with embedded DAL support, and a VAX/VMS host with the DAL Server. The DAL Server receives requests from the personal computer application, carries them out on the VAX, and sends the desired data back to the application for local processing.

The DAL Server for VAX/VMS provides uniform support for DAL-based applications, through a variety of network configurations and VAX/VMS data management software. It works with existing VAX/VMS databases, operating under standard VMS and database security. Your Macintosh computer receives transparent access to the VAX data you are authorized to access.

Features

- Server operates as a user process under standard VMS user name/password security
- Uniform support for DAL clients

- Uniform concurrent support for VAX databases
- Standard VAX/VMS installation procedures
- Asynchronous operation, after connection is established.
- Incremental compiler implementation
- Trace facility
- Interactive utility for testing DAL program statements
- Stored procedures
- Sample tables
- Wide range of commercial applications with DAL connectivity available

Benefits

- Maintains the security and integrity of VAX/VMS and the database management system.
- Eliminates the need for new system administration procedures on the VAX.
- Allows one server to support all Macintosh computers running DAL-compatible applications.
- Insulates personal computer applications from the complexities of the database used.
- Supports multivendor environments.
- Makes installation quick and easy.
- Returns program control to the Macintosh so the user can perform other tasks while the DAL Server carries out the requested operation on the host.
- Reduces the client system processing load.
- Facilitates debugging and system tuning.
- IDAL ensures proper connection, installation, and operation of host server.
- Minimizes network traffic by storing commonly located procedures on the host, where they can be shared.
- Makes developing and testing applications easier.
- Provides spreadsheet, query tool, and mapping tool users with seamless host data integration with no programming effort.

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