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DAL Server for VAX/VMS: Details and System Requirements

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TOPIC -----

This article gives the product details, language specifications, and system requirement for using Data Access Language (DAL) Server for VAX/VMS.

DISCUSSION -----

Product Details

- Database Support
 - Informix version 2.1 (or later)
 - Ingres version 6.1 (or later)
 - Oracle version 5.1.22 (or later)
 - Oracle version 6.0
 - Rdb/SQL version 3.1 (or later)
 - Sybase SQL Server version 3.0 (or later)
- Client Support
 - Uniform support for any application developed with DAL Developer's Toolkit for the Macintosh using a supported network
- Network Support
 - Asynchronous direct and dial-up connections
 - Support for the AppleTalk network system (requires AppleTalk for VMS version 2.0.6 or later for Phase I and version 2.1 for Phase II), which is supplied with DAL Server for VAX/VMS.
- Asynchronous Communications
 - Transmission speed: 300 to 19,200 baud
 - Character length: 7 or 8 data bits; 1 or 2 stop bits
 - Parity: odd, even, or none

- Handshake
 - XON/XOFF and none
 - Modem and direct connections
 - Log-on sequence specification
- Protocol
 - Error-correcting (16-bit CRC)
 - Data compression
 - Binary data transparency
- Resource Usage
 - 1MB of disk storage
 - Proper usage verified by test program
 - One sharable, reentrant 200K-300K process shared by all attached Macintosh applications

Language Specifications

DAL is a complete language for describing connectivity tasks. DAL consists of these statement groups:

- Host Connection Statements
 - These establish and terminate a connection to a host system in the network, providing concurrent access to multiple hosts running DAL Servers.
- Data Manipulation Statements
 - These offer complete ANSI standard level 1, SQL-based data access to host databases.
- Program Structure Statements
 - These support testing, looping, and procedure calls within a DAL program.
- Output Statements
 - These generate output messages from the DAL program. The Client application processes these messages.

System Requirements

To use the DAL Server for VAX/VMS, you need the following:

- Host environment: VAX/VMS version 5.1 (or later)
- Macintosh computer clients running DAL-compatible applications
- One or more of the supported database management systems
- The appropriate networking hardware and software

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