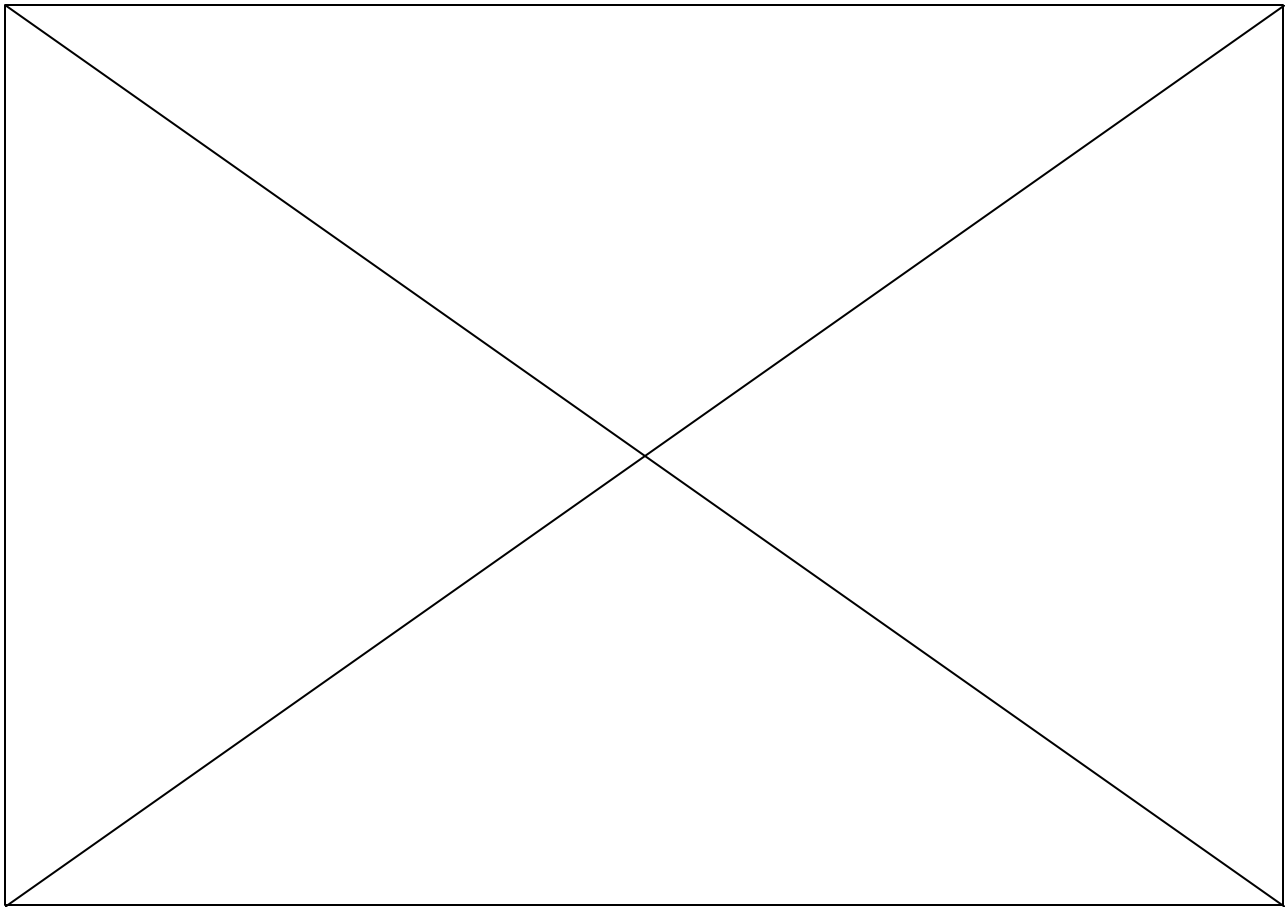
Data Access Language Server for MVS/VTAM



Overview

The Data Access Language Server for MVS/VTAM is a networking software product that provides Data Access Language access to IBM Database 2 (DB2) and Teradata DBC/1012 databases on an MVS host system. Running under MVS, either directly through native VTAM or under CICS, the Data Access Language Server works cooperatively with personal computer applications that support Data Access Language, such as spreadsheets, databases, and query tools running on Apple® Macintosh® computers.

A total connectivity solution for MVS includes a client personal computer running an application with embedded Data Access Language support and an MVS host with the Data Access Language Server. The Data Access Language 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 Data Access Language Server for MVS/VTAM provides uniform support for Data Access Language-based applications. It works with existing DB2 and DBC/1012 databases, operating under standard MVS, DB2, and Teradata security. As a result, personal computer users receive seamless, transparent access to the data that they have been authorized to access. Data Access Language also provides concurrent access to multiple DB2 subsystems and DBC/1012 databases from within one desktop application.

Features	Benefits
· Operates as an MVS task either directly through native VTAM or CICS Passthru (LU6.2) connectivity	· Maintains the security and integrity of MVS, DB2, and Teradata systems.
· Uniform support for Data Access Language clients	· Allows one server to support all personal computers running Data Access Language-compatible Macintosh applications.
· Standard MVS utilities for installation	· Makes installation quick and easy.
· Asynchronous operation	· Returns program control to the Macintosh so that the user can perform other tasks while the Data Access Language Server carries out the requested operation on the host.
· Incremental compiler implementation	· Improves performance for repetitive requests. · Reduces the client system processing load.
· Trace facility	· Facilitates debugging and system tuning.
· Interactive utility (IDAL) for testing Data Access Language program statements	· Provides utilities to ensure proper connection, installation, and operation of host server.
· Stored procedures	· Minimizes network traffic by storing commonly executed procedures on the host, where they can be shared.
· Sample tables	· Makes developing and testing applications easier.
· Support for Macintosh computers connected by way of Apple's Coax/Twinax, TokenTalk® NB and SerialNB cards, as well as Avatar's Mac-MainFrame, DCA's MacIRMA, and TriData's Netway 1000/2000 products · Support for Macintosh computers connected asynchronously to a host computer with a compatible protocol converter installed	· Allows applications to be run on Macintosh computers regardless of the hardware connection to the host.

System Requirements

To use the Data Access Language Server for MVS/VTAM, you need the following software and hardware:

- Host environment: MVS/XA version 2.2 or later, or MVS/ESA version 1.0 or later running VTAM version 3.1 or later. For the CICS Passthru Program, CICS 1.7 or later with LU6.2 support is required.
- DB2 version 1.3 or later. Teradata DBC/1012 version 4.1 or later.
- Macintosh computer clients running Data Access Language-compatible applications
- Appropriate networking hardware and software

Product Details

Database Support

- Provides access to DB2 databases, version 1.3 or later
- Provides access to Teradata DBC/1012 databases, version 4.1 or later
- Provides standard database naming, datatypes, system catalog structure, error codes, and buffer management

Optional CICS Support

- Optional CICS support is provided by a CICS Pass-thru program that runs as a standard CICS transaction program

Client Support

- Provides uniform support for any application developed with the Data Access Language Developer's Toolkit for the Macintosh using a supported network

Network Support

- Provides 3270 data-stream and APPC support; allows SNA or non-SNA connection
- The client must have the supported 3270 hardware and software to emulate a 3278-type device or the supported hardware and software to do APPC communications:
  – MacDFT® software and either the Apple Coax/Twinax Card, Apple Serial NB Card, or the Apple TokenTalk NB Card for the Macintosh II family of computers
  – Avatar's MacMainFrame, DCA's MacIRMA, and TriData's Netway 1000/2000 connectivity products
  – Asynchronous support to hosts equipped with an appropriate protocol converter

Resource Usage

- 1 megabyte of disk storage
- 4 megabytes of address space
- Test program verifies correct installation and usage

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Language Specifications

Data Access Language is a complete language for describing connectivity tasks. The Data Access Language language consists of these statement groups:

- *Host connection statements,* which establish and terminate a connection to a host system in the network, providing concurrent access to multiple hosts running Data Access Language servers
- *Data manipulation statements,* which offer complete ANSI standard level 1, SQL-based data access to host databases and files
- *Program structure statements,* which support testing, looping, and procedure calls within a Data Access Language program
- *Output statements,* which generate output messages from the Data Access Language program; these messages are processed by the client application

Ordering Information

To order the Data Access Language Server for MVS/VTAM, Order No. R0010LL/A, contact:

Apple Software Licensing
Apple Computer, Inc.
20525 Mariani Avenue,
MS38I
Cupertino, CA 95014-6299
(408) 996-4667
TLX: 171-576

With your order, you receive:

- A 9-track, 1600-bpi tape containing the Data Access Language Server software and the installation and configuration programs
- *Data Access Language Server for MVS/VTAM Installation and Operation Guide*
Order No. R0069LL/A

Apple Computer, Inc.

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