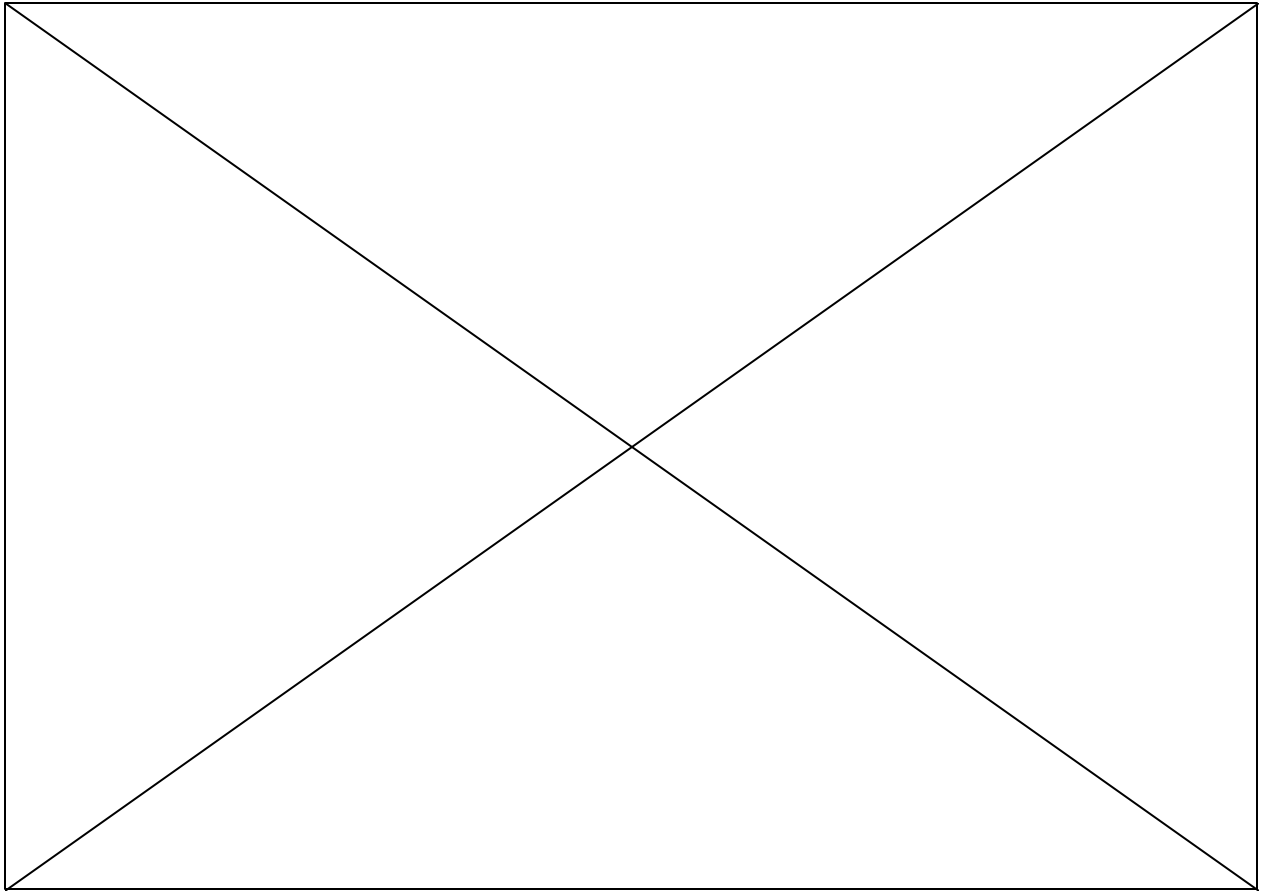


# Data Access Language Server for A/UX



## Overview

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The Data Access Language Server for A/UX<sup>®</sup> is a networking software product that provides Data Access Language access to files and databases on an A/UX host system. Running on the A/UX host, the Data Access Language Server works cooperatively with personal computer application programs that support Data Access Language, such as spreadsheets, databases, and query tools on Apple<sup>®</sup> Macintosh<sup>®</sup> computers.

A total Data Access Language connectivity solution for A/UX includes a client personal computer running an application program with embedded Data

Access Language support and an A/UX host Macintosh computer with the Data Access Language Server. The Data Access Language Server receives requests from the personal computer program, carries out the requests on the host Macintosh computer running A/UX, and sends the desired data back to the program for local processing.

The Data Access Language Server for A/UX provides uniform support for Data Access Language-based application programs, through a variety of network configurations and data management

software. It works with existing databases, operating under standard A/UX and database security. As a result, Macintosh computer users receive seamless, transparent access to the information in databases they are authorized to access.

# Features

# Benefits

· Operation as a user process under standard A/UX username/password security

· Maintains the security and integrity of A/UX and the database management system.  
· Eliminates the need for new system administration procedures on the host Macintosh computer.

· Uniform support for Data Access Language clients

· Allows one server to support all Macintosh computers running Data Access Language-compatible application programs.

· Uniform concurrent support for A/UX databases

· Insulates personal computer programs from the complexities of the database being used.  
· Supports multivendor environments.

· Automated A/UX installation procedures

· Makes installation quick and easy. Allows the user to continue other work while the Data Access Language Server performs a connectivity request.

· Asynchronous operation

· Returns program control to the Macintosh computer 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

· Reduces the clients 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 located procedures on the host, where they can be shared.

· Sample tables

· Makes developing and testing applications easier.

· Wider range of commercial applications with Data Access Language connectivity available today

· Provides spreadsheet, query tool, and mapping tool users with seamless host data integration without programming effort.

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System Requirements

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

- Host environment: AUX version 2.0 or later. The AUX CD-ROM Product (Order No. B0270LL/A) or the AUX Floppy Product (Order No. B0269LL/A) is recommended. The AUX External 80MB Hard Disk (Order No. B0267LLA) is not recommended because it does not contain the software needed to repartition the disk for the Data Access Language Server for AUX.

- One of the supported database management systems
- Macintosh computer clients running Data Access Language-compatible application programs
- The appropriate networking hardware and software

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Product Details

Database Support

- Informix version 2.1 or later
- Ingres version 6.1 or later
- Oracle version 6.0

The Data Access Language Server provides standard database naming, data types, system catalog structure, error codes, and buffer management.

Client Support

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

Network Support

- Asynchronous direct and dial-up connections
- Support for TCP/IP standard UNIX network protocol using Apple's MacTCP<sup>®</sup> software program on the Macintosh computer

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



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## Language Specifications

Data Access Language is a complete language for describing connectivity tasks. It 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

- *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 software

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## Ordering Information

To order the Data Access Language Server for A/UX, Order No. R0009LL/A, contact:

APDA® (Apple Programmers and Developers Association)  
Apple Computer, Inc.  
20525 Mariani Avenue,  
MS33G  
Cupertino, CA 95014-6299  
(800) 282-2732

With your order, you receive:

- Five 800K disks that contain the Data Access Language Server software and the installation and configuration programs
- *Data Access Language Server for A/UX Installation Guide*, Order No. R0068LL/A
- Ninety days of free software support from Apple's Technical Answer Line. After the initial 90-day period, annual support contracts are available for a fee.

For information about licensing, contact:

Apple Software Licensing  
Apple Computer, Inc.  
20525 Mariani Avenue,  
MS38I  
Cupertino, CA 95014  
(408) 974-4667  
TLX: 171-576