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## DAL Developer's Toolkit for Macintosh: Details & Requirements

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### TOPIC -----

This article gives the product details, language specifications, and system requirements for the Data Access Language (DAL) Developer's Toolkit for the Macintosh.

### DISCUSSION -----

#### Product Details -----

- Supplied Software
  - DAL device driver and driver installer
  - C and Pascal call libraries
  - Interactive DAL tester
  - Sample applications, including source code
  - DAL HyperCard XCMDs, including source code and sample stack
  - DAL documentation in HyperCard Help stack
  
- Network Support
  - Asynchronous communication, by way of direct or dial-up links
  - Support for the AppleTalk network system based on the AppleTalk Data Stream Protocol (ADSP)
  - Support for TCP/IP using Apple's MacTCP networking software
  - Support for the 3270 data streams and APPC (LU6.2) networking protocols
  - Support for connections to IBM hosts using Avatar's MacMainFrame, DCA's MacIRMA, and TriData's Netway 1000/2000 products
  - Asynchronous communication to IBM hosts equipped with protocol converters

#### Language Specifications -----

DAL is a complete language for describing connectivity tasks. It 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.
- Execute Statement  
This permits execution of DBMS-specific commands not directly supported by DAL.

#### System Requirements

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To use the DAL Developer's Toolkit for the Macintosh, you need the following hardware and software:

- A Macintosh personal computer
- Macintosh system software version 6.0.5 or later
- The appropriate hardware and software for a supported network
- Access to a host computer with a DAL Server, and a database management system and networking software supported by DAL.

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