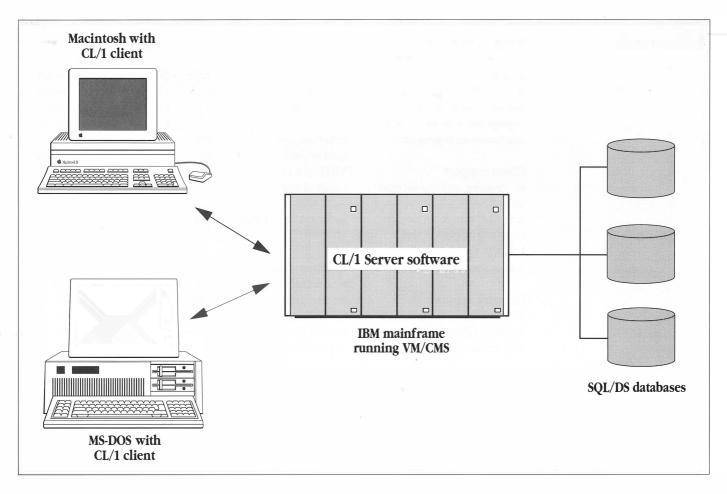
CL/1 Server for VM/CMS





Overview

The CL/1™ Server for VM/CMS is a networking software product that provides CL/1 access to the Structured Query Language/Data System (SQL/DS) on a VM/CMS host system. Running on the VM/CMS host, the CL/1 Server works cooperatively with personal computer applications that support CL/1, such as spreadsheets, databases, and word processors running on Apple® Macintosh® computers and MS-DOS-compatible computers.

A total connectivity solution for VM/CMS includes a client personal computer running an application with embedded CL/1 support, and a VM/CMS host with the CL/1 Server. The CL/1 Server receives requests from the personal computer application, carries them out against SQL/DS, and sends the desired data back to the application for desktop processing.

The CL/1 Server for VM/CMS provides uniform support for CL/1-based applications, regardless of the type of personal computer used. It works with existing SQL/DS databases, operating under standard VM and SQL/DS security. As a result, personal computer users receive seamless, transparent access to the SQL/DS data that they have been authorized to access.

Features

Benefits

 Server operates as a CMS task under standard VM username/password security 	 Maintains the security and integrity of VM and SQL/DS. Eliminates the need for new system administration procedures for VM or SQL/DS.
▶ Uniform support for CL/1 clients	► Allows one server to support all personal computers running CL/1-compatible applications, including Macintosh and MS-DOS applications.
► Standard VM installation procedures	► Makes installation quick and easy.
► Asynchronous operation	► Allows the user to continue other work while the CL/1 Server performs a connectivity request.
▶ Incremental compiler implementation	 Improves performance for repetitive requests. Reduces the client system processing load.
➤ Support for the Apple 3270 API (application program interface)	 Supports Apple's standard connectivity platform for communications between Macintosh computers and IBM mainframes.

Product Details

Database Support

- ► Provides access to SQL/DS databases
- ► Provides standard database naming, data types, system catalog structure, error codes, and buffer management

Client Support

► Provides uniform support for any application developed with CL/1 developer's toolkits, including Macintosh and MS-DOS applications, using a supported network

Network Support

► Provides 3270 datastream support; allows SNA or non-SNA connection

► The client must have the supported 3270 hardware and software to emulate a 3278-type device operating in Control Unit Terminal (CUT) mode:

- —MacDFT[™] software and either the Apple Coax/Twinax Card or the Apple TokenTalk[™] NB Card for the Macintosh II family of systems
- —PC 3270 entry-level emulator and supporting hardware under MS-DOS

Resource Usage

- ▶ 1 megabyte of disk storage
- ► 1-megabyte virtual machine for each active user
- ► Test program verifies correct installation and usage

Language Specifications

CL/1 is a complete language for describing connectivity tasks. The CL/1 language consists of these statement groups:

- ► Host connection statements: Establish and terminate a connection to a host system in the network
- ► Data manipulation statements: Offer complete, SQLbased data access to host databases
- ➤ Program structure statements: Support testing, looping, and procedure calls within a CL/1 program
- ► Output statements: Generate output messages from the CL/1 program, which are processed by the client application

System Requirements

To use the CL/1 Server for VM/CMS, you'll need the following:

- ► Host environment: VM/CMS
- ► Personal computer clients running CL/1-compatible Macintosh or MS-DOS applications
- ► Any supported version of SQL/DS
- ► Appropriate networking hardware and software



CL/1 Server for VM/CMS

Ordering Information

To order the CL/1 Server for VM/CMS, contact:

Network Innovations Corporation 20863 Stevens Creek Blvd. Cupertino, CA 95014 (408) 257-6800 AppleLink. D0978 Fax: (408) 257-7982 With your order, you'll receive:

- ► A 9-track, 1600-bpi tape containing the CL/1 Server software and the installation and configuration programs
- ► Installation manual
- ► 90 days of software technical support
- ► CL/1 Connectivity Language Description