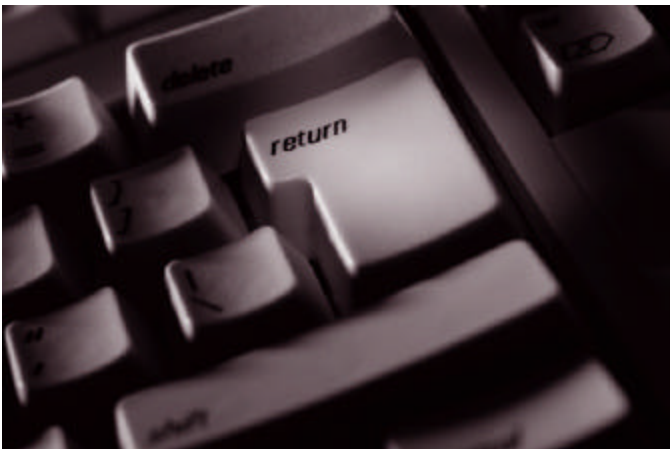


Cleo HLLAPI

High-Level Language Application Program Interface

Cleo® Communications' industry-standard Application Program Interfaces allow faster, friendlier and more transparent host access for distributed Unix systems. Users can quickly and easily write simple front-ends for 3270 applications.



Cleo HLLAPI simplifies host applications. A common use of Cleo HLLAPI is to automate the start-up of host applications. Users can write a program supplying the necessary keystrokes to log into the host, start an application, and perform any initial procedures required, including routine data transfers. This can be especially helpful in transaction programs, where speedy response is crucial.

Front-end programs written with Cleo HLLAPI can further simplify host applications by providing menu-driven interfaces which eliminate the need for users to enter long lists of hard-to-remember commands.

Users can access host applications designed for larger screens. Some IBM 3278/79 screen sizes supported by the Cleo Gateway package may be too large to display on Unix systems' screens. Through the utilization of Cleo HLLAPI, users can continue to run host sessions designed for larger screens.

For example, Cleo HLLAPI can be used to write a program providing a window on the 3270 presentation space, allowing users to work on only part of the full screen at one time. Users enter data into the displayed window, and the Cleo HLLAPI program automatically transfers it to the full presentation space.

Custom Cleo HLLAPI programming is available. Cleo HLLAPI is a standard feature of the Cleo Gateway package for Unix-to-host connectivity. Users can write their own front-end programs with Cleo HLLAPI, or for a reasonable fee, Cleo technical support specialists can provide custom Cleo HLLAPI programming.

CLEO

PRODUCT SPECIFICATIONS

Cleo HLLAPI

TECHNICAL SPECIFICATIONS

CLEO HLLAPI EXTENSIONS

Cleo HLLAPI is compatible with IBM's OS/2 Extended Edition High-Level Language Application Program Interface (EHLLAPI). The package is enhanced for more efficient operation in Unix environments. With Cleo HLLAPI extensions, users can:

- Enable a single Unix process to control up to 254 Cleo HLLAPI sessions.
- Allow a Unix process to be notified asynchronously of changes to session status and/or presentation space.
- Enable a Unix process to collapse several Cleo HLLAPI calls into a single call to minimize task-switching and improve performance.

CLEO HLLAPI FUNCTIONS

Cleo HLLAPI provides all of the functions of IBM's OS/2 Extended Edition High-Level Language Application Program Interface (EHLLAPI).

Initialize/Reset Functions

- Connect Presentation Space
- Disconnect Presentation Space
- Query Session Status
- Query Sessions
- Reset Systems
- Set Session Parameters

Interaction Functions

- Release
- Reserve

Extraction Functions

- Copy OIA
- Copy Field to String
- Copy Presentation Space
- Copy Presentation Space to String

Orientation Functions

- Convert Position or RowCol
- Find Field Length
- Query Cursor Location
- Query Field Attribute
- Search Field
- Search Presentation Space

Monitoring Functions

- Pause
- Query Host Update
- Start Host Notification
- Stop Host Notification
- Wait

Sending Functions

- Copy String to Field
- Copy String to Presentation Space
- Send Key
- Set Cursor

Storage Management Function

- Storage Manage

File Send/Receive Functions

- Receive File
- Send File

Keystroke Intercept Functions

- Get Key Position
- Post Intercept Status
- Start Keystroke Intercept
- Stop Keystroke Intercept

Debugging Function

- Query System



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