

TSO/E CLIST Programming

CDT450

Course content is designed to show programmers and information center personnel how to use CLIST to build computational aids and interactive-prompted JCL editing and job submission routines. This productivity-boosting course targets the heart of CLIST usage to provide several models for immediate on-the-job use!

Audience

- Programmers
- Information Center Specialists
- Project Leaders
- End Users

Prerequisites

- Knowledge and use of TSO/ISPF
- Familiarity with MVS JCL

Course Length

- Three Days
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Learning Objectives

- Understand what the CLIST language is
- Gain skills to write interactive CLIST
- Learn how to use interactive CLIST for job submission
- Be able to build, modify, document, and install CLIST

Teaching Methods

- Lecture
 - Hands-on exercises
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Course Outline

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What is the CLIST Language?

- Creating a library for CLISTs
- Syntax of the CLIST language
- How CLISTs relate to "READY" mode TSO
- Executing a simple CLIST

Simple Interactive CLIST Commands

- READ and WRITE to the terminal
- Math operations
- Capacity and precision limitations
- Computational CLISTs: a real aid!

Logic Loops and String Manipulation

- Simple loops
- "Searching" in a CLIST
- Extracting a substring or building a string

System-supplied Variables

- DATE and TIME
- Obtaining the User id

Editing and Submitting JCL With a CLIST

- "READY" mode TSO EDIT command
- Allocating a file
- How a CLIST does an EDIT
- Creating your "base" JCL
- The CLIST job submission

Documenting and Installing CLISTs

- Production CLIST libraries
- Documenting your CLISTs
- CLISTs versus REXX programs