

TASKLIB

Dynamic Task and STEPLIB facility for TSO/ISPF



- **Dramatically improve performance of the TSO LOGON procedure**
- **Minimize search times for load modules and program objects**
- **Eliminate multiple LOGON procedures and repetitive LOGON / LOGOFF sequences**
- **Access multiple DB2 subsystems in a single ISPF session**
- **Permit more granular security for load libraries and programs**
- **Achieve significant cost savings**

Why use TASKLIB?

TASKLIB lets you dynamically reconfigure your task and STEPLIB concatenations (while ISPF is active) to modify the program search order. Searching specific libraries first dramatically reduces the overhead of program fetch performed innumerable times each day.

Many organizations maintain multiple LOGON PROCs that pre-allocate *all* the program libraries different groups of users *may* access during a TSO/ISPF session. Other sites use TSOLIB and LIBDEF commands to dynamically allocate load libraries. All must allocate load libraries *prior* to invoking ISPF to avoid S806 abends because the TSOLIB command cannot be issued while ISPF is active and LIBDEF does not support applications that issue LINK, LOAD and ATTACH macros.

In contrast, you can issue TASKLIB commands within ISPF and maintain a discrete search order for *each* logical screen.

TASKLIB lets you concatenate new program libraries **BEFORE** or **AFTER** an existing allocation or **REPLACE** the allocation altogether to satisfy *all* ISPF application requirements for load libraries.

As the most sophisticated product of its kind TASKLIB

- addresses their shortcomings (as well as those of other dynamic STEPLIB products)
- promotes more granular program security because users require access authority to fewer load libraries
- improves end user response time, productivity and satisfaction
- reduces the burden of LOGON procedure maintenance on systems programmers

Benefits

- Reduce the CPU and EXCP overhead of LOGON processing by as much as 90%
- Simplify LOGON procedure maintenance and the management of TSO user IDs
- Reduce module retrieval time and contention on STEPLIB volumes
- Eliminate superfluous dataset ENQs that interfere with library maintenance
- Simplify deployment of new and existing ISPF applications
- Facilitate upgrades to new versions of software products and applications
- Flexibly access multiple versions of software within a single ISPF session
- Eliminate the need to pre-allocate DB2 and QMF libraries *prior* to invoking ISPF
- Facilitate the testing of programs, command processors and ISPF dialogs
- Easily convert ISPF applications incompatible with LIBDEF into well-behaved dialogs
- Reduce TSO working set size and page/swap overhead
- Enable programs invoked via SELECT-PGM (program-name) and SELECT-PANEL (panel-name) to issue ATTACH, LINK, LOAD and XCTL macros without restriction
- Test authorized commands without modifying IKJTSoxx or affecting other TSO/E users

Simplify and optimize your TSO/ISPF environment

Contact the

ISPF dialog experts at

800 776-0771

www.relarc.com

Features

- Extends the LIBDEF service by propagating ISPLLIB to the ISPTASK level
- Eliminates duplicate libraries from concatenations to minimize search times
- Uses the familiar syntax of the TSOLIB and ALTLIB commands of TSO/E
- Supports recursive invocation and automatic task library stacking / unstacking
- Facilitates the testing of authorized commands through dynamic APF authorization
- Interoperates with security products like RACF, CA-ACF2 and CA-TOP SECRET and complies with their command limiting features
- Supports REXX environment creation using specific REXX parameter modules
- Permits new task libraries to be explicitly associated with the IKJEFT01, IKJEFT02, IKJEFT09 or ISPTASK TCBs

One TSO LOGON procedure for *all* Users

Figure 1 shows a simple TSO LOGON procedure suitable for all TSO users and all tasks. All the datasets an ISPF application requires can be allocated *dynamically* as needed via TASKLIB, ALTLIB and LIBDEF commands.

```
//TSO1 EXEC PGM=IKJEFT01,DYNAMNBR=200,REGION=0M,  
// PARM='LOGON_proc'  
//SYSUADS DD DISP=SHR,DSN=SYS1.UADS  
//SYSLBC DD DISP=SHR,DSN=SYS1.BROADCAST  
//SYSPROC DD DISP=SHR,DSN=ISP.SISPCLIB *TSO/E CLISTS  
//SYSEXEC DD DISP=SHR,DSN=ISP.SISPEXEC *REXX execs  
//ISPEXEC DD DISP=SHR,DSN=ISP.SISPEXEC  
//ISPLLIB DD DISP=SHR,DSN=ISP.SISPPENU *ISPF Panels  
//ISPMLIB DD DISP=SHR,DSN=ISP.SISPMENU *ISPF Messages  
//ISPSLIB DD DISP=SHR,DSN=ISP.SISPSENU *ISPF Skeletons  
// DD DISP=SHR,DSN=ISP.SISPSLIB  
//ISPTLIB DD DISP=SHR,DSN=ISP.SISPTENU *ISPF Tables  
//ISPILIB DD DISP=SHR,DSN=ISP.SISPSAMP *ISPF Images  
//*
```

Prerequisites

TASKLIB runs as a TSO command processor. TASKLIB is easily installed without an IPL and runs with all releases of z/OS, OS/390 and TSO/ISPF whose IBM support is current.