TASKLIB+ and Launch Express

Dynamic Task and STEP Libraries and Fully "Dynamic ISPF"

- **Dramatically improve TSO logon times**
- **Eliminate multiple LOGON procedures and repetitive LOGON / LOGOFF sequences**
- **Standardize on a single, simple LOGON procedure for *all* users**
- **Significantly reduce module retrieval times and contention on DASD volumes**
- **Access and switch among multiple Db2 subsystems within a single ISPF session**
- **Transparently replace CA TSOPLUS™ (which has reached "End of Life" and "End of Support")**

Simplify, optimize and extend your TSO/ISPF environment

TASKLIB+ and **Launch Express** offer a complete solution and methodology for managing ISPF applications and the dialog libraries they require.

TASKLIB+ and **Launch Express** fully implement "dynamic ISPF" with high performance TSO command processors that include the following:

- TASKLIB lets you reconfigure task and STEPLIB concatenations dynamically and maintain a discrete search order for *each* ISPF logical screen
- LXCONCAT provides concatenation, de-concatenation and display functions for allocated datasets – with minimal overhead and minimal coding
- LXLAUNCH lets you invoke any ISPF application with a single command that specifies *all* dialog components the application requires – including load libraries. "Launchlets" are small execs and CLISTs that invoke ISPF applications from anywhere within an TSO/ISPF session. Launchlets typically reside in a command procedure library allocated in the standard TSO LOGON proc (like the JCL illustrated in Figure 1). **Launch Express** provides an extensive 'starter set' of launchlets for common applications like SDSF, DB2I and QMF. LXLAUNCH is analogous to the On Demand Application (ODA) component of CA TSOPLUS™ and is completely transparent to the users, execs and CLISTs that reference legacy ODA access names.
- LXDB2S has a dual purpose. As an ISPF dialog, you can define (and display) your site's Db2 subsystems in terms of their high level qualifiers and SDSNEXIT and SDSNLOAD library names. Launchlets then obtain these values via LXDB2S to invoke ISPF applications that can reference and switch among multiple Db2 subsystems.

Bottom line: **TASKLIB+** and **Launch Express** significantly improve performance, maintenance, disaster recovery and security and deliver the benefits of dynamic task and step libraries and fully "Dynamic ISPF". They also provide a viable alternative to the z/OS ServerPAC installation methodology in which *all datasets* used by *all applications* are allocated through JCL. These ServerPAC LOGON procedures often have 500 or more datasets allocated and a single merged library can have thousands of members.

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Benefits

- Simplify deployment of new and existing ISPF applications – without changing LOGON procedures
- Minimize search times for load modules, program objects and ISPF dialog components
- Allocate ISPF dialog datasets only when they are needed
- Replace ad-hoc solutions with a fully supported program product
- Eliminate the need to pre-allocate Db2 and QMF libraries *prior* to invoking ISPF
- Dynamically establish the environment required to run any ISPF application – even those that issue LINK, LOAD, ATTACH and XCTL macros and suffer S806 abends
- Remove all those datasets from your LOGON JCL, execs and CLISTs and dramatically simplify their maintenance
- Eliminate the need to maintain multiple TSO LOGON procedures for different groups of users
- Promote more granular dataset security because users are authorized to access *only* what they need and use
- Eliminate superfluous dataset ENQs that interfere with library maintenance
- Enable much faster disaster recovery since you can LOGON immediately after a minimum set of datasets are restored
- Flexibly access multiple versions of software within a single ISPF session

Features

- Supports recursive invocation and automatic library stacking / unstacking
- Complies with the command limiting features of security products like RACF, CA-ACF2™ and CA-TOP SECRET™
- Facilitates upgrades to new versions of software products and applications
- Stacks libraries on the STEPLIB and ISPTASK levels, for every ISPF logical screen.
- Eliminates duplicate libraries from dataset concatenations to minimize search times for programs and commands

CA TSOPLUS™ is a software product of CA Technologies

One TSO LOGON procedure for *all* Users

Figure 1 shows a single, streamlined TSO LOGON procedure that is suitable for all users. **TASKLIB+** and **Launch Express** let users dynamically allocate an ISPF application's libraries when they invoke the dialog and free those datasets when they exit the application.

```
//TSO1 EXEC PGM=IKJEFT01,DYNAMNBR=200,REGION=0M,
//     PARM='LOGON_proc'
//SYSUADS DD DISP=SHR,DSN=SYS1.UADS
//SYSLBC  DD DISP=SHR,DSN=SYS1.BRODCAST
//SYSPROC DD DISP=SHR,DSN=launch.library *Launchlets
//        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   *ISPF execs
//ISPPLIB 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
//ISPTLIB DD DISP=SHR,DSN=ISP.SISPTENU   *ISPF Tables
//ISPILIB DD DISP=SHR,DSN=ISP.SISPSAMP   *ISPF Images
//
```

Streamlined invocation of SDSF via the LXLAUNCH Command

```
/* Rexx
Name : @SDSF
Doc  : IBM SDSF ISPF Dialog */
Address TSO
"LXLAUNCH
  "PGM(ISFISP) PARM("ztrail")",
  "NEWAPPL(ISF)",
  "HLQ(ISF)",
  "EXEC(SISFEXEC)",
  "MLIB(SISFMLIB)",
  "PLIB(SISFPLIB)",
  "SLIB(SISFSLIB)",
  "TLIB(SISFTLIB)",
 ""
Return
```

Prerequisites

TASKLIB+ and **Launch Express** install and deploy seamlessly without an IPL and run with all releases of z/OS whose IBM support status is current.

TASKLIB+ and Launch Express

Don't run ISPF without them!

Contact the ISPF dialog experts at

800 776-0771 or www.relarc.com

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