Table of Contents

Sharing an ISPF.PROFILE Across Images, w/single LOGON.

Option 1, Separating Profiles by Environment

- For Example, 3 unique profiles for the TECH, DEVL, & PROD environments.
- For most users, they would be accessing TECH, DEVL, & PROD for completely different reasons. So having separate ISPF.PROFILE DSNs for each purpose may make sense.
- In a High Availability environment, users will not notice any ISPF Changes. This is the minimum level of ISPF Profile Sharing users will tolerate.
- A corrupt ISPF Profile will effect all Images within the same environment. Other environments will not be effected. User can more easily verify this for themselves and correct on their own (HRECOVER to a previous copy of their user_id.environment.ISPF.PROFILE DSN).
- Allows for different ISPF "Color Schemes" to alert the user to the environment they are in, so they can behave "appropriately"
- Creating different ISPF "Color Schemes" at the ISPF Level is time consuming, tedious, and easily lost. Using TN3270 Session profiles is easier to manage centrally and can be "enforced" at a shop level.
- Can give a false sense of security. Users & management believe there are "separate" environments and the one will not impact the other. This is much less the case then most believe within a single SysPlex.

Option 2, SysPlex wide shared Profile

- Only configuration change is to have all TSO LOGON PROCs allocate the same ISPF.PROFILE DSN for ISPPROF DD.
- All Images point at the same ISPF.PROFILE dataset.
- All Images will see the same PFKEYS, last saved ISPF Application Options, & ISPF Defaults.
- In a High Availability environment, users will not notice any ISPF Changes.
- A corrupt ISPF Profile will effect all Images the same. Harder to verify (for both effected user and support) and usually must be corrected by second party (user can not be LOGON when HRECOVER is being done).

Option 3, "Casual" ISPF Users

- Use a MVS Temporary File for ISPPROF and through it out at LOGOFF.
- Can be UNIT=VIO, so improved performance and no dataset management issues.
- Works well for ISPF Batch as well.
- These users will **always** use the default profiles for applications they access (nothing is ever really saved). This means the users are always using *managed* profile members.
- Need to be able to identify these users easily during logon.
- Very low chance of "A corrupt ISPF Profile" issues, as this usually happens when the address space terminates; in this case they will pick up a fresh profile automatically (not the "corrupt" one created during termination). No need for recovering the ISPF Profile, just logoff & back on.

Option 4, Combination of Options 1 through 3

- Usually works best to pick 1 or 2, plus use 3 where appropriate and easily identifiable.
- Options 2 and 3 would be the most heavily used.
    - Option 2, for ISPF Users that would benefit from individualized Profile Settings
    - Option 3, for causal ISPF Users that would benefit from non-changing Profile Settings.

Sharing an ISPF.PROFILE Across Images, w/multiple LOGONs.

- All Images point at the same ISPF.PROFILE dataset
- All Images will see the same PFKEYS, last saved ISPF Application Options, & ISPF Defaults
- Corrupt ISPF Profile will effect all Images the same
- You need to have an ISPF Configuration (e.g. ISPCFIGU ISPF Configuration Module), built with the following ISPF Configuration Parameters:

```
/*--------------------------------------------------------------------*/
/*           ISPF Profile Sharing (Multiple Logons, at same time)     */
/*--------------------------------------------------------------------*/
```

```
ISPF_TEMPORARY_DATA_SET_QUALIFIER          = ISP&SEQ
PROFILE_SHARING                            = YES
USE_ADDITIONAL_QUAL_FOR_PDF_DATA_SETS      = YES
```

The ISPCFIGU Module should be in the Initial ISPLLIB Concatenation (pre-ISPSTART), the LPA, or the LINKLIST. STEPLIB or TSOLIB should not be used for performance reasons.

- You need to Start ISPF with the SHRPROF setting, e.g.:

```
ISPSTART PANEL(ISR@PRIM) NEWAPPL(ISR) SHRPROF
```

Other "Shared" Resources when under ISPF Profile Sharing

- The personal TSO.BRODCAST Dataset should be the same across a SYSPLEX. TSO & GRS will ensure integrity. This way the user will see any TSO SEND, including JCL NOTIFY, messages in a timely manor regardless of the Image they are logged onto. If these are image specific, the user must be logged into the image the message was sent from to see it.
- Datasets pointed at by ISPFILE. If this needs to be allocated, vs. just using dynamic ZTEMPF, this needs to be:
  - An Image Specific sequential file (e.g. include SYSNAME as a qualifier in the DSN)
  - Can point to ISPF.PROFILE PDS, and will be taken care of by ISPF PROFILE Sharing SHRPROF option, but use of ISPFILE coding will need to include a member name.
- ISPF Temporary Files, e.g. user_id.SPFTEMP#.CNTL. To support the use of these in an ISPF Profile Sharing environment, you need to update the ISPF_TEMPORARY_DATA_SET_QUALIFIER ISPF parameter to ISP&SEQ (see above ISPF Configuration changes)
- IPCS VSAM Dump Directory must be an Image Specific VSAM file (e.g. include SYSNAME as a qualifier in the DSN). This is usually the shop version of the IBM Sample in 'SYS1.SBLSCLI0(BLSCDDIR)'.
- Normally under SDSF, the ULOG will only display information from the first Image that returns command output. This is because the console created is equal to the userid, so the first image to register it will be the one that can receive the output. This can be addressed by:

> **NOTE:** This needs to be done every time you enter an SDSF, as this information is stored in a shared ISPF Profile. So, option #3, is the only one that guarantees reliability.

- RMF Startup CLIST 'SYS1.SERBCLS(ERBRMF3X)' will need the following update (usually done via USERMOD):

```
SET TABLSUF = &STR(ISPTABLE)
```

to:

```
SET TABLSUF = &STR(ISPTABLE).SYS&STR(&SYSSMFID)
```

- HCD startup 'SYS1.SCBDCLST(CBDCHCD)' needs to be called with an Image Specific NoPrefix value, e.g.:

```
TSO EXEC 'SYS1.SCBDCLST(CBDCHCD)' 'NOPREF(user_id.&SYSNAME)'
```

or:

```
"ISPEXEC SELECT CMD(%CBDCHCD NOPREF(&ZUSER..&SYSNAME)) SCRNAME(HCD)
```

zOS USERMODs to Support Option 3.

USERMOD	Description
#ISPF01	RMF CList ERBRMF3X updates to Support ISPF Profile Sharing.
#ISPF02	SDSF Panel ISFPCU41 updates to Support Image Specific Consoles under ISPF Profile Sharing.
#ISPF03	HCD Startup CList CDBCHCD updates to support ISPF Profile Sharing
#ISPF04	SCDC's ISPF for zOS v2.2 ISPCFIGU Member. Places customized module in ISP.SISPLPA.

Copyright ©2016 SC Data Centers