

STEPLIBs, ISPF, and JES Spool Management: Solving Problems You Thought Were Impossible

John Szura, Lead Mainframe Developer
Brian Vohs, Mainframe Developer

Tone Software Corporation

Wednesday, March 12th, 2014
Session Number: 15365



New STEPLIB-Rx – Painless TSOPLUS Replacement

- Specifically Designed for TSOPLUS Users Facing “End of Life”
 - Replaces TSOPLUS STEPLIBX and TSOPLUS On Demand Application Facilities
 - Tone Working Directly with Computer Associates and Their Clients
 - Fully Supported by Tone Software
 - Certified on all z/OS Releases, Including z/OS 2.1

STEPLIB-Rx[™]
TSOPLUS Replacement Solution

New STEPLIB-Rx – Painless TSOPLUS Replacement

- NO Manual Conversions or Re-Implementations Needed
 - Provides Priority DDNAME Facility to Intelligently Translate STEPLIBX Allocations Imbedded in CLISTS and REXX Execs
 - Specify `PRIORITY_DDNAME=STEPLIBX` in the DYNASPCL Macro One Time
 - Previous STEPLIB allocation saved in a REXX/CLIST variable
 - Existing CLISTs and REXX Execs Run Without Changes or Manual Conversion Efforts

STEPLIB-Rx™
TSOPLUS Replacement Solution

New STEPLIB-Rx – Painless TSOPLUS Replacement

- STEPLIB-Rx Application Initiation Assist (AIA) Facility Replaces TSOPLUS On Demand Application Facility
 - Dynamically Allocates Data Sets Required to Execute an Application Upon Request
 - Users Enter One Simple AIA Command at ISPF Command Line
 - Desired Application is Executed Transparently to User – No Need for Users to Know Specific Method of Invocation of the Application

STEPLIB-Rx™
TSOPLUS Replacement Solution

ISPF Innovations – ***DYNA-STEP™***

- Full Featured Management of ISPF Allocations and STEPLIBs
 - Dynamically alters the TSO/ISPF configuration at any time to any new configuration, or to access any application or multiple applications
 - Provides direct access to multiple STEPLIBs, product versions, DB2 subsystems, all without leaving ISPF session
 - Provides ISPF Dialog interface to speed allocation management
 - Includes STEPLIB-Rx Functionality to Replace TSOPLUS “End of Life” and “End of Support”
 - Supports multiple copies of the same reentrant module across ISPF split screens - NO LONGER IMPOSSIBLE!

DYNA-STEP™ Comprehensive Library Management

- Dynamically allocate or alter any closed TSO DD statement
 - STEPLIB concatenations can be open.
- Allocate up to 128 data sets to any DDNAME, including STEPLIB.
- Dynamically create new DDNAMEs and / or insert/delete libraries at any position into an existing DDNAME concatenation.
- Use an existing allocation to have its data sets inserted into another DD allocation.
- "Push and Pop" allocations allowing multiple sets of concatenations to be temporarily saved and restored anytime during the session

DYNA-STEP – Latest Enhancements

- Full z/OS 2.1 Support
- Includes Full Alias Support Anywhere Data Set Names Can be Specified
- Allocates ISPF and TSO library types such as ISPLLIB, ISPPLIB, ISPMLIB, ISPTLIB, and ISPSLIB using LIBDEF facility
- Ensure allocations unique to an ISPF screen are saved and restored when swapping screens
- Request the temporary data sets allocated during the DYNA-STEP process be freed if an error occurs

DYNA-STEP Latest Enhancements

- Addition of DYNA-STEP server address spaces
- Ensure libraries are not duplicated in a concatenation to shorten member searches
- Request allocations to system generated DDNAMEs and have the name passed in a REXX or CLIST variable

DYNA-STEP Latest Enhancements

- Many New Keywords:
 - LIBDEF – support ISPF's LIBDEF, as if it were a standard allocation
 - ONLY1 – removes duplicate data sets from the list before allocation
 - OPTIONS – display the current default options in use
 - PERSIST – maintain a non-STEPLIB allocation on this screen, regardless of changes made to it on other screens
 - RENT – allow multiple copies of a reentrant load module to be loaded
 - SERVER – change the server that the user's session is using
 - USECAT – use the catalog to locate the data set, rather than relying on the previous allocation information

DYNA-STEP Latest Enhancements

- New Server Available
 - Makes use of PC interface, rather than SVC interface, to authorized code
 - Allows multiple levels of DYS300 to coexist in a single image:
 - e.g. One server with maintenance, one server without maintenance
 - Same level of support & security as with the SVC
- New ISPF Exit
 - Supports multiple servers in a single ISPF session
 - Supports switching between servers without getting out & back into ISPF

DYNA-STEP Latest Enhancements

- **PERSIST**
 - The same ease-of-use that DS has supported in STEPLIB since its inception has been extended for CLOSEd non-STEPLIB DDnames by maintaining the allocation state of a DD on a per screen basis. This will be true for non-STEPLIB DDs allocated with DS using the PERSIST keyword
- **RENT**
 - Support execution of multiple versions of a reentrant module on separate screens
 - Known to be useful for QMF, SAS

DYNA-STEP Latest Enhancements

- DYNALOC Searches for the Requested Member In:
 - LPA and Link List
 - SYSPROC/SYSUPROC
 - SYSEXEC/SYSUEXEC
 - ISPLLIB
 - ISPMLIB
 - ISPPLIB
 - ISPSLIB
 - ISPTLIB
- Documentation Reorganization
 - Response to customer requests for easier navigation

DYNA-STEP ISPF Dialog Interface: DYSISPF

- Full screen display of current allocations in a TSO session including STEPLIB
- A visual interface providing ability to modify allocations or perform ISPF functions on displayed data sets

Options		Help		Row 1 to 35 of 117		
DYNA-STEP 3.0.0 Data Set Allocations for Session				Server:D300QA		
COMMAND ==>				SCROLL ==> PAGE		
Cm	*S	DDname	Data Set	Volume	Unit	Dsp
---	---	ISPEXEC	ISP.SISPEXEC	GBRES1	SYSALLDA	SHR
---	---		SYS1.SBPXEXEC	GBRES1	SYSALLDA	SHR
---	---	ISPLLIB	SYS2.ISPLLIB	PROD01	SYSALLDA	SHR
---	---		GDDM.SADMMOD	GBRES1	SYSALLDA	SHR
---	---		SYS2.SYB.R210.LOADLIB	PROD01	SYSALLDA	SHR
---	---	ISPLST1	SYS12197.T165107.RA000.JSZ.R0101396			OLD
---	---	ISPLST2	SYS12197.T165107.RA000.JSZ.R0101397			OLD
---	---	ISPMLIB	P.DYS300.QA.MESSAGES	WARE15	SYSALLDA	SHR
---	---		P.DYS300.MAINT.MESSAGES	WARE15	SYSALLDA	SHR
---	---		P.DYS300.RELEASE.MESSAGES	WARE15	SYSALLDA	SHR
---	---		JSZ.TEST.ISPMLIB	DFLT11	SYSALLDA	SHR
---	---		P.COMMCODE.COMMAINT.COMMLIB	WARE10	SYSALLDA	SHR
---	---		P.COMMCODE.COMRELEA.COMMLIB	WARE05	SYSALLDA	SHR
---	---		SYS2.USER.ISPMLIB	PROD01	SYSALLDA	SHR
---	---		SYS2.PDS84.ASM	PROD01	SYSALLDA	SHR
---	---		SYS2.TONE.ISPMLIB	PROD01	SYSALLDA	SHR
---	---		ISP.SISPMENU	GBRES1	SYSALLDA	SHR
---	---		SYS1.DFQMLIB	GBRES1	SYSALLDA	SHR
---	---		SYS1.DGTMLIB	GBRES1	SYSALLDA	SHR
---	---		ICQ.ICQMLIB	GBRES1	SYSALLDA	SHR
---	---		SYS1.HRFMSG	GBRES1	SYSALLDA	SHR
---	---		SYS1.SBPXMENU	GBRES1	SYSALLDA	SHR
---	---		SYS1.SCBDMENU	GBRES1	SYSALLDA	SHR
---	---		SYS1.SBLSMSG0	GBRES1	SYSALLDA	SHR
---	---		TCPIP.SEZAMENU	GBRES1	SYSALLDA	SHR
---	---		GIM.SGIMMENU	GBRES1	SYSALLDA	SHR
---	---		ISF.SISFMLIB	GBRES1	SYSALLDA	SHR
---	---		SYS1.SERBMENU	GBRES1	SYSALLDA	SHR
---	---		SYS2.SYB.R210.ISPMLIB	PROD01	SYSALLDA	SHR
---	---	ISPLLIB	P.DYS300.QA.PANELS	WARE02	SYSALLDA	SHR
---	---		P.DYS300.MAINT.PANELS	WARE17	SYSALLDA	SHR
---	---		P.DYS300.RELEASE.PANELS	WARE17	SYSALLDA	SHR
---	---		JSZ.DYS300.ISPPLIB	DFLT13	SYSALLDA	SHR
---	---		JSZ.TEST.ISPPLIB	DFLT11	SYSALLDA	SHR
---	---		SYS2.USER.ISPPLIB	PROD01	SYSALLDA	SHR

DYNA-STEP ISPF Dialog Interface: DYSISPF

- Data sets within an allocation can be inserted, copied, moved or deleted
- Display fields
 - Server,Cm, *, S, DDname, Data Set, Volume, Unit, DSP

Options		Help		Row 1 to 35 of 117		
-----				Server:D300QA		
DYNA-STEP 3.0.0 Data Set Allocations for Session				SCROLL ==> PAGE		
COMMAND ==> █						
Cm	*S	DDname	Data Set	Volume	Unit	Dsp

---		ISPEXEC	ISP.SISPEXEC	GBRES1	SYSALLDA	SHR
---			SYS1.SBPXEXEC	GBRES1	SYSALLDA	SHR
---		ISPLLIB	SYS2.ISPLLIB	PROD01	SYSALLDA	SHR
---			GDDM.SADMMOD	GBRES1	SYSALLDA	SHR
---			SYS2.SYB.R210.LOADLIB	PROD01	SYSALLDA	SHR

DYNA-STEP ISPF Dialog Interface - DYSISPF

- If CONFIRM Option is Set (or defaulted) When Allocation is Modified (e.g. Insert):
 - Secondary display will be presented containing only the modified DD allocation

```

Options      Help
-----
DYNASTEP 3.0.0 Data Set Re-allocation for ST
COMMAND ==>
Cm *S DDname  Data Set
-----
- STEPLIB    P.DYS300.QA.LOAD
-            P.DYS300.MAINT.LOAD
-            P.DYS300.RELEASE.LOAD
-
***** Bottom of Data *****

Row 1 to 4 of 4
Review changes
SCROLL ==> PAGE
Volume Unit  Dsp
-----
WARE15 SYSALLDA SHR
WARE02 SYSALLDA SHR
WARE16 SYSALLDA SHR
    
```

DYNA-STEP ISPF Dialog Interface - DYSISPF

- Provides Ability for Verification or Further Modification Before Committing Changes

```

Options      Help
-----
      DYNA-STEP 3.0.0 Data Set Re-allocation for ST
COMMAND ==>
Cm *S DDname  Data Set                                Volume Unit      Dsp
-----
- STEPLIB    P.DYS300.QA.LOAD                        WARE15 SYSALLDA  SHR
-            P.DYS300.MAINT.LOAD                      WARE02 SYSALLDA  SHR
-            P.DYS300.RELEASE.LOAD                   WARE16 SYSALLDA  SHR
-            JSZ.TEST.LOAD
***** Bottom of Data *****
  
```

DYNA-STEP ISPF Dialog Interface - DYSISPF

- Once Changes are Committed:
- Either the next modified allocation will be displayed, OR...

Options		Help		Row 67 to 101 of 121		
DYNA-STEP 3.0.0 Data Set Allocations for Session				Server:D300QA		
COMMAND ==>				SCROLL ==> PAGE		
Cm	*S	DDname	Data Set	Volume	Unit	Dsp
---	---	---	---	---	---	---
---	---	---	SYS2.PDS84.ASM	PROD01	SYSALLDA	SHR
---	---	---	ISP.SISPTENU	GBRES1	SYSALLDA	SHR
---	---	---	SYS1.DGTTLIB	GBRES1	SYSALLDA	SHR
---	---	---	ICQ.ICQTABLS	GBRES1	SYSALLDA	SHR
---	---	---	SYS1.SBLSTBL0	GBRES1	SYSALLDA	SHR
---	---	---	SYS1.SBPXTENU	GBRES1	SYSALLDA	SHR
---	---	---	SYS1.SCBDTENU	GBRES1	SYSALLDA	SHR
---	---	---	GIM.SGIMTENU	GBRES1	SYSALLDA	SHR
---	---	---	ISF.SISFTLIB	GBRES1	SYSALLDA	SHR
---	---	---	SYS1.SERBT	GBRES1	SYSALLDA	SHR
---	---	---	SYS1.SERBTENU	GBRES1	SYSALLDA	SHR
---	---	---	SYS1.SMP.OTABLES	GBSMS1	SYSALLDA	SHR
---	---	ISP16512	JSZ.SPFL0G1.LIST	DFLT12	SYSALLDA	OLD
---	---	SDSFMENU	ISF.SISFPLIB	GBRES1	SYSALLDA	SHR
---	---	SMPTABL	SYS1.SMP.OTABLES	GBSMS1	SYSALLDA	SHR
---	*	STEPLIB	P.DYS300.QA.LOAD	WARE15	SYSALLDA	SHR
---	---	---	P.DYS300.MAINT.LOAD	WARE02	SYSALLDA	SHR
---	---	---	P.DYS300.RELEASE.LOAD	WARE16	SYSALLDA	SHR
---	---	SYSACTIV	TSC.PROJ.ACTIVE.CUST	SPRD01	SYSALLDA	SHR
---	---	SYSEXEC	ISP.SISPEXEC	GBRES1	SYSALLDA	SHR
---	---	---	SYS1.SBPXEXEC	GBRES1	SYSALLDA	SHR
---	---	---	SYS2.SYB.R210.EXEC	PROD01	SYSALLDA	SHR
---	---	SYSHELP	SYS1.HELP	GBRES1	SYSALLDA	SHR
---	---	---	ISP.SISPHELP	GBRES1	SYSALLDA	SHR
---	---	SYSIN	NULLFILE			OLD
---	---	SYSLBC	SYS1.BROADCAST	GBCAT1	SYSALLDA	SHR
---	---	SYSPRINT	NULLFILE			OLD
---	---	SYSPROC	JSZ.TEST.CLIST	DFLT11	SYSALLDA	SHR
---	---	---	SYS2.USER.CLIST	PROD01	SYSALLDA	SHR
---	---	---	SYS2.CLIST	PROD01	SYSALLDA	SHR
---	---	---	SYS2.TONE.CLIST	PROD01	SYSALLDA	SHR
---	---	---	SYS2.PDS84.ASM	PROD01	SYSALLDA	SHR
---	---	---	SCLM.EXEC	WARE05	SYSALLDA	SHR
---	---	---	ADCD.DUMMY	GBSMS1	SYSALLDA	SHR
---	---	---	ISP.SISPCLIB	GBRES1	SYSALLDA	SHR

DYNA-STEP ISPF Dialog Interface - DYSISPF

- Or the Main Display is Presented (if no further mods) with the Newly Modified Allocations

Options		Help		Row 71 to 105 of 117		
DYNA-STEP 3.0.0 Data Set Allocations for Session				Server:D300QA		
COMMAND ==>				SCROLL ==> PAGE		
Cm	*S	DDname	Data Set	Volume	Unit	Dsp
			SYS1.SBLSTBL0	GBRES1	SYSALLDA	SHR
			SYS1.SBPXTENU	GBRES1	SYSALLDA	SHR
			SYS1.SCBDTENU	GBRES1	SYSALLDA	SHR
			GIM.SGIMTENU	GBRES1	SYSALLDA	SHR
			ISF.SISFTLIB	GBRES1	SYSALLDA	SHR
			SYS1.SERBT	GBRES1	SYSALLDA	SHR
			SYS1.SERBTENU	GBRES1	SYSALLDA	SHR
			SYS1.SMP.OTABLES	GBSMS1	SYSALLDA	SHR
		ISP16512	JSZ.SPFLOG1.LIST	DFLT12	SYSALLDA	OLD
		SDSFMENU	ISF.SISFPLIB	GBRES1	SYSALLDA	SHR
		SMPTABL	SYS1.SMP.OTABLES	GBSMS1	SYSALLDA	SHR
	@	STEPLIB	P.DYS300.QA.LOAD	WARE15	SYSALLDA	SHR
	@		P.DYS300.MAINT.LOAD	WARE02	SYSALLDA	SHR
	@		P.DYS300.RELEASE.LOAD	WARE16	SYSALLDA	SHR
		SYSACTIV	TSC.PROJ.ACTIVE.CUST	SPRD01	SYSALLDA	SHR
		SYSEXEC	ISP.SISPEXEC	GBRES1	SYSALLDA	SHR
			SYS1.SBPXEXEC	GBRES1	SYSALLDA	SHR
			SYS2.SYB.R210.EXEC	PROD01	SYSALLDA	SHR
		SYSHELP	SYS1.HELP	GBRES1	SYSALLDA	SHR
			ISP.SISPHELP	GBRES1	SYSALLDA	SHR
		SYSIN	NULLFILE			OLD
		SYSLBC	SYS1.BROADCAST	GBCAT1	SYSALLDA	SHR
		SYSPRINT	NULLFILE			OLD
		SYSPROC	JSZ.TEST.CLIST	DFLT11	SYSALLDA	SHR
			SYS2.USER.CLIST	PROD01	SYSALLDA	SHR
			SYS2.CLIST	PROD01	SYSALLDA	SHR
			SYS2.TONE.CLIST	PROD01	SYSALLDA	SHR
			SYS2.PDS84.ASM	PROD01	SYSALLDA	SHR
			SCLM.EXEC	WARE05	SYSALLDA	SHR
			ADCD.DUMMY	GBSMS1	SYSALLDA	SHR
			ISP.SISPCLIB	GBRES1	SYSALLDA	SHR
			SYS1.DGTCLIB	GBRES1	SYSALLDA	SHR
			SYS1.HRFCLST	GBRES1	SYSALLDA	SHR
			ICQ.ICQCCLIB	GBRES1	SYSALLDA	SHR
			SYS1.SBLSCLIO	GBRES1	SYSALLDA	SHR

DYNA-STEP ISPF Dialog Interface - DYSISPF

- This Action May be Altered by Modifying the DYSISPF Options
- Options Allow Automatic “Commit Changes” when ENTER is Hit with No Further Changes
- When Allocations are Committed, Actual Re-allocation occurs by Executing the DYNASTEP Command Internally

```

Options      Help
-----
1. Turn ON commit re-allocations after no more changes
2. Turn OFF display of CONFIRM screen to verify DD changes
3. DYNASTEP Options

SYS1.SBLSTBL0      GBRES1 SYSALLDA SHR
SYS1.SBPXTENU      GBRES1 SYSALLDA SHR
SYS1.SCBDTENU      GBRES1 SYSALLDA SHR
GIM.SGIMTENU       GBRES1 SYSALLDA SHR
ISF.SISFTLIB       GBRES1 SYSALLDA SHR
SYS1.SERBT         GBRES1 SYSALLDA SHR
SYS1.SERBTENU      GBRES1 SYSALLDA SHR
SYS1.SMP.OTABLES   GBSMS1  SYSALLDA SHR
ISP16512 JS2.SPFLOG1.LIST DFLT12 SYSALLDA OLD
  
```

DYNA-STEP ISPF Dialog Interface - DYSISPF

- The DYNASTEP Command Options to Use When Performing Re-allocations Can be Modified via the Options Display

Options	Help
----- DYNA-STEP ISPF INTERFACE - Session Options -----	
Command ==>	
Place a Y in front of an option to activate or an N to de-activate it.	
These options will apply to changes made through the DYNA-STEP ISPF Interface	
Y/N	Option Description
N	Save current allocation before change
Y	Use catalog for re-allocation if originally allocated via catalog
N	Propagate DD re-allocations to other ISPF screens if not already allocated there
N	Remove duplicate data set names from a DD re-allocation
N	Load unique copy of re-entrant load modules for each ISPF screen
N	Prevent allocations made on other screens from affecting this one
N	Display informational messages from DYNASTEP command
Y	Display DYNASTEP version messages
	Keyword
	PUSH
	USECAT
	PROP
	ONLY1
	UNIQUECOPY
	PERSIST
	MESSAGE
	VERSION

DYNA-STEP ISPF Dialog Interface - DYSISPF

- Alternatively - Current Options Can be Listed At Bottom of Screen by Issuing the OPTION SHOW Primary Command

```

Options      Help
-----
Dyna-STEP 3.0.0 Data Set Allocations for Session
Server:D300QA
SCROLL ==> PAGE
Row 71 to 103 of 117
COMMAND ==>
Cm *S DDname Data Set Volume Unit Dsp
-----
SYS1.SBLSTBL0 GBRES1 SYSALLDA SHR
SYS1.SBPXTENU GBRES1 SYSALLDA SHR
SYS1.SCBOTENU GBRES1 SYSALLDA SHR
GIM.SGIMTENU GBRES1 SYSALLDA SHR
ISF.SISFTLIB GBRES1 SYSALLDA SHR
SYS1.SERBT GBRES1 SYSALLDA SHR
SYS1.SERBTENU GBRES1 SYSALLDA SHR
SYS1.SMP.OTABLES GBRES1 SYSALLDA SHR
ISP16512 JSZ.SPFLOG1.LIST DFLT12 SYSALLDA OLD
SDSFMENU ISF.SISFPLIB GBRES1 SYSALLDA SHR
SMPTABL SYS1.SMP.OTABLES GBRES1 SYSALLDA SHR
@ STEPLIB P.DYS300.QA.LOAD WARE15 SYSALLDA SHR
@ P.DYS300.MAINT.LOAD WARE02 SYSALLDA SHR
@ P.DYS300.RELEASE.LOAD WARE16 SYSALLDA SHR
SYSACTIV TSC.PROJ.ACTIVE.CUST SPR001 SYSALLDA SHR
SYSEXEC ISP.SISPEXEC GBRES1 SYSALLDA SHR
SYS1.SBPXEXEC GBRES1 SYSALLDA SHR
SYS2.SVB.R210.EXEC PROD01 SYSALLDA SHR
SYSHELP SYS1.HELP GBRES1 SYSALLDA SHR
ISP.SISPHelp GBRES1 SYSALLDA SHR
SYSIN NULLFILE OLD
SYSLBC SYS1.BROADCAST GBCAT1 SYSALLDA SHR
SYSPRINT NULLFILE OLD
SYSPROC JSZ.TEST.CLIST DFLT11 SYSALLDA SHR
SYS2.USER.CLIST PROD01 SYSALLDA SHR
SYS2.CLIST PROD01 SYSALLDA SHR
SYS2.TONE.CLIST PROD01 SYSALLDA SHR
SYS2.PDS84.ASM PROD01 SYSALLDA SHR
SCLM.EXEC WARE05 SYSALLDA SHR
ADCD.DUMMY GBRES1 SYSALLDA SHR
ISP.SISPCLIB GBRES1 SYSALLDA SHR
SYS1.DGTCLIB GBRES1 SYSALLDA SHR
SYS1.HRFLST GBRES1 SYSALLDA SHR

Options: NOAUTOCOMMIT CONFIRM NOMESSAGE REPLACE NOPROP VER NOONLY1
Options: NOUNIQUECOPY NOPERSIST USECAT
  
```

DYNA-STEP ISPF Dialog Interface - DYSISPF

- Line Commands
 - ISPF Services
 - Browse, Browse All, Edit, Edit All, View, View All, Info
 - Manipulation
 - Copy, Move, Insert, Delete, Insert Before
 - Show, Unstack
- Primary Commands
 - Find, Rfind, Reset, Show, Default, Option, Save, Commit

OMC-FLASH™

JES2 and JES3 Spool Viewing and Management

New Release 4.7.0 – Now Generally Available

John Szura, Lead Developer
Tone Software

Brian Vohs, Developer
Tone Software

OMC-FLASH™ JES2-JES3 Spool & Resource Management

- Comprehensive Job and Output Control:
 - View All Queues: input, execution, output
 - Select by destination, owner, system, writer and/or job class, or any defined field criteria
 - View and process Jobs, Tasks, and Spooled Output
 - Include batch jobs, started tasks, TSO users, APPC jobs, active tasks, held and non-held output
 - Browse, Cut & Paste, Sort, Find, Print, Copy to Disk Dataset, Hold, Requeue, Delete, More
 - Define and Save COPY/PRINT Profiles - Unique parameters for different types of output – recall profiles on demand

OMC-FLASH – JES2 and JES3 Job and Output Control

- Overtypable Fields to modify CLASS, Status, Form, DEST, WTR name, FCB, UCS, copy count, more
- Sort Jobs by CLASS, PRIORITY, WRITER NAME, Column Headings
- Control Print and Print Devices:
 - Requeue, forward space, back space
- Display 132 Character Columns, scroll Left/Right
- Command Aliasing Facility (CMDALIAS) provides custom aliases for primary and line commands

OMC-FLASH – Customizable Job and Output Displays

- CONFIG Facility Personalizes Display of Jobs and Output Info
 - Choose exact fields, titles, column sizes, and position desired
 - Freeze columns, and specify colors to best fit needs
- Set Highlighting colors and modes for specific lines and/or fields that match criteria – enables rapid location of desired info

04:59am Criteria Display Facilities Help

----- Row 1 to 16 of 84

OMC-FLASH Jobname Selection - V4RGH0

Active Layout: FLS2

Sel	Jobname	Number	Date	Time	Owner	Class	Main	Max	CC	Lines
---	JSZFLSAS	J019870	04/19/2012	16:46	JSZ	A	P390	A	013	35,997
---	JSZFLSAS	J019871	04/19/2012	16:48	JSZ	A	P390	A	013	48,985
---	JSZFLSAS	J020057	04/20/2012	17:26	JSZ	A	P390	A	013	547
---	JSZ\$	J020083	04/21/2012	0:17	JSZ	A	P390	0000		931
---	JSZ\$	J020283	04/23/2012	1:10	JSZ	A	P390	0000		173,744
---	MMUBUILD	J020420	04/23/2012	17:25	MMU1	A	P390	0000		15,356
---	JSZ\$	J020592	04/24/2012	12:25	JSZ	A	P390	0000		711,478
---	JSZ\$	J020611	04/24/2012	14:14	JSZ	A	P390	0000		1,195,102
---	JSZ\$	J020621	04/24/2012	15:28	JSZ	A	P390	0000		1,817
---	JSZ\$	J021613	05/01/2012	10:14	JSZ	A	P390	0000		76,794
---	JSZASMLT	J019490	04/17/2012	14:00	JSZ	D	P390	0004		3,823
---	JSZFLSAS	J019872	04/19/2012	16:50	JSZ	A	P390	0004		111,081
---	JSZ1	T019475	04/17/2012	12:40	JSZ1	A	P390	0000		609
---	CFA	T019476	04/17/2012	12:41	CFA	A	P390	0000		623
---	JSZ\$	J019493	04/17/2012	14:18	JSZ	A	P390	0000		1,714
---	JSZASMLT	J019495	04/17/2012	14:28	JSZ	D	P390	0000		3,874
---	JSZ	T019498	04/17/2012	14:50	JSZ	A	P390	0000		609

COMMAND ==> SCROLL ==> PAGE

OMC-FLASH – JES Environment Management

- Printer Status Display - Overtyping Fields to Control Devices and Jobs
- Active and Historical SYSLOG Display - Customizable Format with Option to Save Preferred SYSLOG Format
- Global and Local SYSLOG Display Options – Specify SYSLOG(s) to Display: Local(s), Current System, Both Global and Local
- Display Console Facility - Securely View and Utilize System Operator's Console Directly from User Workstation
- Command to Retrieve Previous Commands in DC and EMCS
- Dynamic CPU Utilization Display - Graphical View of CPU Utilization and Associated Jobs and Processes

OMC-FLASH – JES3 Resource Management

- JES Initiator Display – Overtypes Fields to View and Change Status
- Expanded OPERLOG Viewing Facility Across Multiple MVS Systems in a SYSPLEX Environment
- JES3 Control Block Viewing Facility for Both Job-related and Dataset-related JES3 Control Blocks
- JES3 WLM Scheduling Environment & Resource Display for Each Environment Defined in the SYSPLEX
- JES3 DJC NET Display - Modify DJC NETs, Display NET-ID, Cancel, Flush, Hold the NET and associated output

OMC-FLASH – JES3 Resource Management

- SYSPLEX Coupling Facility Support – Communicates via XCF with OMC-FLASH Servers on JES3 Global and Locals
- JES3 DSI Support – No Restart Needed for OMC-FLASH STCs on New Global and Local
- JES3 Writer and Hold Queue Commands - Requeue Data Sets and Jobs
- Support for JES3 PURGE DSP - Display Jobs Processed by the JES3 PURGE DSP

OMC-FLASH – JES Environment Management

- Issue MVS and JES Operator Commands from OMC-FLASH Command Line
- User Log Display – Display MVS/JES Commands and Results
- Health Checker Display Facility (HC) - View IBM Health Checker Output and Info, Check States and Values, Filter, Log Changes
- BATCH Processing Utility – COPY Data from Large Jobs and COPY Operator and System Log Records in Batch
- USS Status Display - Display USS Processes in JES2 and JES3, Use USS-related Line Commands

OMC-FLASH 4.7.0 – Extensive Enhancements

- 64-bit Storage
- Full REXX API - Powerful Tool to Automate Execution of OMC-FLASH Commands Against JES Jobs
- Can be Invoked Under OMC-FLASH, ISPF outside of OMC-FLASH, From TSO READY, or Through a Batch Job
- Automatically Performs Functions and Actions that Were Previously Only Available to Online Users

OMC-FLASH 4.7.0 – Extensive Enhancements

- REXX API Use Cases – No User Interaction Needed
 - Automatically Retrieve a List of Currently Active Jobs
 - List Jobs that Ended with Specific Return Codes
 - List Jobs that Were Submitted by Specific Users
- Expedites Job and Output Management Functions
- Results in Significant Manpower Savings for Repetitive or Common Tasks

OMC-FLASH™ Release 4.7.0 – Extensive Enhancements

- Browse by Pattern and Select Summary Matching Enhancements
- Specify Columns to be Searched, Designate Number of Lines Before and After the Match to Display
- Spool Volume Display Added
- Default Dialog Added to Select Saved Defaults for COPY/PRINT
- Confirmation Dialog Added for DJC Flush Line Command
- Additional SYSTEM Info

OMC-FLASH 4.7.0 - Extensive Enhancements

- Job Search Facility Enhanced - Searches All Displayed Jobs for a Value and Optionally Displays Jobs With Matches or Without Matches
- Password Grace Period (7 days)
- SYSLOG display will be updated on scroll up or down
- SYSLOG option displays active SYSLOG job as well as in-storage buffers
- UOPT to set user options by screen

OMC-FLASH 4.7.0 - DSP Display Enhancements

- Additional Fields Added to Data Set Index Display
 - APPC TID - Asynchronous Peer to Peer Communication (APPC) Transaction ID
 - BDTJ# - BDT Job Number
 - BlkT - Data set's records have been blank truncated - Yes or No
 - Burst - BURST value specified on DD or OUTPUT JCL statement - Yes/No
 - Byte Cnt - Number of bytes in the data set
 - CCtl - Carriage Control of data set - ASA, Mach, Mixd or CPDS (Composed Page Data Stream)

OMC-FLASH 4.7.0 – DSP Display Enhancements

- Additional Fields Added to Data Set Index Display – Con't
 - CHARS - Values specified in CHARS keyword of DD or OUTPUT JCL statement
 - CHAR1 - First value specified in CHARS keyword of DD or OUTPUT JCL statement
 - CHAR2 - Second value specified in CHARS keyword of DD or OUTPUT JCL statement
 - CHAR3 - Third value specified in CHARS keyword of DD or OUTPUT JCL statement
 - CHAR4 - Fourth value specified in CHARS keyword of DD or OUTPUT JCL statement

OMC-FLASH 4.7.0 – DSP Display Enhancements

- Additional Fields Added to Data Set Index Display – Con't
 - CpyMod - 4 character suffix of copy modification module in SYS1.IMAGELIB, table reference character (trc) specified on the MODIFY keyword of the DD or OUTPUT JCL statement for this data set
 - CurC - Current Copy Number currently being printed
 - Data Set Name - Generated name of JES data set
 - Date - Creation date of data set
 - DestDev - Destination device type
 - DestGroup - Requested destination group
 - DSID - Data Set ID

OMC-FLASH 4.7.0 - DSP Display Enhancements

- Additional Fields Added to Data Set Index Display – Con't
 - DS Type - Data Set Type - Print, Punch, Output statement or NJE/BTD data type:
 - (Job Header, Data Set Header, Job Stream, Data Set Stream, SYSOUT Data Set, Job Trailer)
 - Flash - 3800 flash form specified on the FLASH keyword of the DD or OUTPUT JCL statement
 - Format - Record format - Fixed, Variable, Undefined, Blocked
 - Formdef - Value specified in FORMDEF JCL parameter
 - Lines - Count of lines in the data set
 - LRECL - Logical Record Length

OMC-FLASH 4.7.0 - DSP Display Enhancements

- Additional Fields Added to Data Set Index Display – Con't
 - NetGroup - BDT/TCP Group ID
 - Netserve - TCP/IP Netserv name
 - NJE - Network Job Entry type - SNA or TCP/IP
 - NJE Type - Network Job Entry data type - Input or Output
 - NJE Stat - NJE Status: Transaction sent, Transaction queued
 - OpenStatus - OPEN status - Open/Closed
 - OUTBIN - Printer output bin identifier specified on the OUTBIN keyword of the OUTPUT JCL statement
 - OUTDISP - Normal / Abnormal disposition of SYSOUT - JES2 only
 - OUTPT# - OUTPUT Statement number

OMC-FLASH 4.7.0 - DSP Display Enhancements

- Additional Fields Added to Data Set Index Display – Con't
 - Pagedef - Value specified in PAGEDEF JCL parameter
 - Pages - Count of pages in the data set
 - PrMode - Process Mode value specified on the PRMODE keyword of the OUTPUT JCL statement- LINE, PAGE, other
 - PROC Step Name - Step name within JCL procedure
 - Pty - Output priority of the SYSOUT data set
 - RECFM - Record format in the form F, FB, FBA, FBM, V, VB, VBA, VBM, U
 - Records - Count of records in the data set
 - RmtWtr - Writer name on remote system

OMC-FLASH 4.7.0 - DSP Display Enhancements

- Additional Fields Added to Data Set Index Display – Con't
 - SAPIJ - SYSOUT API Application Job Number
 - SECLABL - Security Label
 - Spacing - Spacing specified on the CONTROL keyword of the OUTPUT JCL statement - Single/Double/Triple or Program
 - Spin - Spin data set indication - Yes or No
 - STCK Time - Store Clock value at time data set was created
 - Stp# - Step Number
 - Time - Creation time of data set
 - TSO - Data set created by TSO user
 - User ID - Owning / creating user ID

OMC-FLASH 4.7.0 – Extensive Enhancements

- Additional Fields Added to Data Set Index Display – Con't
 - XPagCmp - Complete transmission page count
 - XPagCur - Current transmission page count
 - XPty - BDT Transmission Priority
- Title Highlighting
- Full z/OS 2.1 Support

THANK YOU - Questions?

STEPLIB-RxTM
TSOPLUS Replacement Solution

DYNA-STEPTM

Dynamic STEPLIB and
ISPF Library Management

OMC-FLASHTM

JES2 and JES3 Spool
Viewing and Management

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