



# SESSION 12095: ISPF INNOVATIONS

**SOLUTIONS TO PROBLEMS YOU THOUGHT WERE  
IMPOSSIBLE AND NEW WAYS TO PUSH THE ISPF ENVELOPE**



Tone Software Corporation Presents:

## **SESSION 12095: ISPF INNOVATIONS**

**Solutions to Problems You Thought Were Impossible  
and New Ways to Push the ISPF Envelope**

Thursday, August 9<sup>th</sup> 11:00AM Elite 3

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Tone Software

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# ISPF Innovations – ***DYNA-STEP™***

- Manage 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
  - Replaces TSOPLUS “End of Life” and “End of Support”
  - Supports multiple copies of the same named reentrant module across ISPF split screens - **NO LONGER IMPOSSIBLE!**

## DYNA-STEP – Release 3.0

- 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 3.0 – Latest Enhancements

- Completely Redesigned & Rewritten for the 21st Century
- 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 3.0 – 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 variable

## DYNA-STEP 3.0 – 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 3.0 – 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 3.0 – Latest Enhancements

- PERSIST
  - Maintain same ease-of-use for CLOSEd non-STEPLIB DDnames that DS has supported in STEPLIB since its inception
  
- RENT
  - Support execution of multiple versions of the same named reentrant module on separate screens
  - Known to be useful for QMF, SAS

## DYNA-STEP 3.0 – Latest Enhancements

- DYNALOC Searches for the Requested Member In:
  - 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
-----
      DYNA-STEP 3.0.0 Data Set Allocations for Session
COMMAND ==>
Cm *S DDname Data Set                               Row 1 to 35 of 117
                                                    Server:D300QA
                                                    SCROLL ==> PAGE
                                                    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
          TCP/IP.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
ISPPLIB  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
-----
          DYNA-STEP 3.0.0 Data Set Allocations   for Session
COMMAND ==>
Cm *S DDname  Data Set                               Volume Unit      Dsp
-----
  ISPEXEC    ISP.SISPEXEC                            GBRES1 SYSALLDA  SHR
  SYS1.SBPXEXEC
  ISPLLIB    SYS2.ISPLLIB                              PROD01 SYSALLDA  SHR
  GDDM.SADMMOD
  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
-----
          DYNA-STEP 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 the Main Display is Presented (if no further mods) with the Newly Modified Allocations

```
Options Help
-----
DYNA-STEP 3.0.0 Data Set Allocations for Session
Row 67 to 101 of 121
Server: D300QA
COMMAND ==>
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 JS2.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 JS2.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
```

# DYNA-STEP ISPF Dialog Interface - DYSISPF

- The new allocation that will be used as a STEPLIB will be indicated by an @ in the S field.

```

Options      Help
-----
      DYNA-STEP 3.0.0 Data Set Allocations   for Session
COMMAND ==>
Cm *S DDname  Data Set                               Volume Unit  Dsp
-----
      SYS1.SBPXEXEC                                GBRES1 SYSALLDA SHR
      SYS1.SCBDCLST                                GBRES1 SYSALLDA SHR
      GIM.SGIMCLSO                                  GBRES1 SYSALLDA SHR
      SYS1.SERBCLS                                  GBRES1 SYSALLDA SHR
      CBC.SCCNUTL                                   GBRES1 SYSALLDA SHR
      SYS2.USER.CLIST                               PROD01 SYSALLDA SHR
      ADCD.DUMMY                                    GBSMS1 SYSALLDA SHR
      SYS2.SYB.R210.CLIST                           PROD01 SYSALLDA SHR
      SYS2.SYB.R210.EXEC                             PROD01 SYSALLDA SHR
      SYSUADS                                       SYS1.UADS                                           GBRES1 SYSALLDA SHR
      SYSUDUMP JSZ.JSZ.J0605787.D0000009.?          OLD
      *@ SYS0014 P.DYS300.QA.LOAD                     WARE15 SYSALLDA SHR
      @      P.DYS300.MAINT.LOAD                     WARE02 SYSALLDA SHR
      @      P.DYS300.RELEASE.LOAD                   WARE16 SYSALLDA SHR
      @      JSZ.TEST.LOAD                           DFLT10 SYSALLDA SHR
      TSCSEQ   TSC.MKTG.SEQ                           SPRD01 SYSALLDA SHR
***** Bottom of Data *****
  
```



## 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
  
```

of 117  
00QA  
> PAGE  
Dsp  
--- ---

## 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
-----
DYNASTEP 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 DYNASTEP ISPF Interface

Y/N Option Description                                     Keyword
-----
N Save current allocation before change                   PUSH
Y Use catalog for re-allocation if originally allocated   USECAT
  via catalog
N Propagate DD re-allocations to other ISPF screens if not
  already allocated there                                PROP
N Remove duplicate data set names from a DD re-allocation
  Load unique copy of re-entrant load modules for each ISPF screen
  Prevent allocations made on other screens from affecting
  this one                                              ONLY1
  Display informational messages from DYNASTEP command   UNIQUECOPY
  Display DYNASTEP version messages                     PERSIST
  Display DYNASTEP version messages                     MESSAGE
  Display DYNASTEP version messages                     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
-----
COMMAND ==> DYNA-STEP 3.0.0 Data Set Allocations for Session
Cm *S DDname Data Set
-----
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 GBMS1 SYSALLDA SHR
ISP16512 JSZ.SPFLOG1.LIST DFLT12 SYSALLDA OLD
SDSFMENU ISF.SISFPLIB GBRES1 SYSALLDA SHR
SMPTABL SYS1.SMP.OTABLES GBMS1 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 SPR01 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 GBMS1 SYSALLDA SHR
ISP.SISPCLIB GBRES1 SYSALLDA SHR
SYS1.DGTCLIB GBRES1 SYSALLDA SHR
SYS1.HRFCLST 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***<sup>TM</sup>

## **JES2 and JES3 Spool Viewing and Management**

John Szura, Lead Developer  
Tone Software

Brian Vohs, Developer  
Tone Software

# OMC-FLASH™ JES2-JES3 Spool & Resource Management

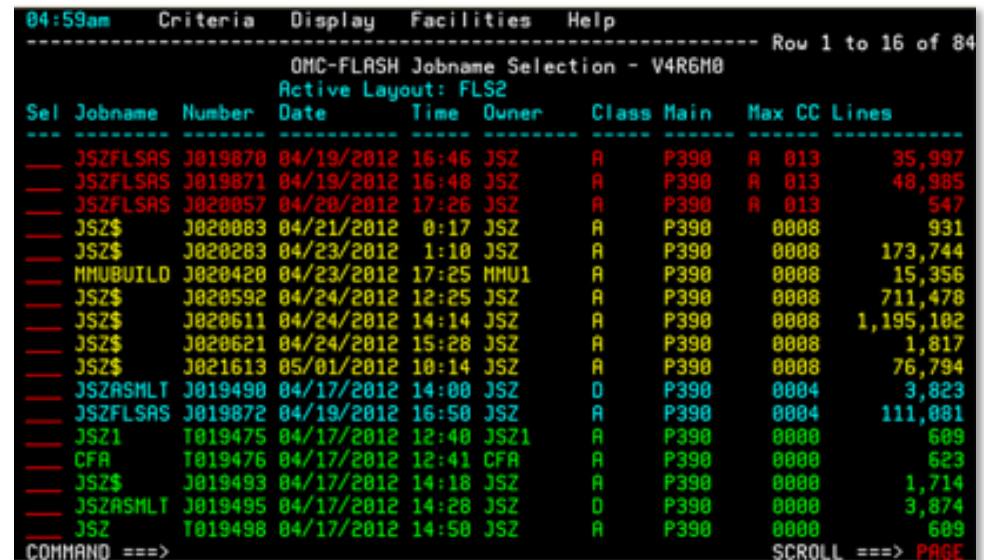
- Comprehensive Job and Output Control:
  - View All Queues: input, execution, output
  - Select by destination, owner, system, writer and/or job class, or any defined field criteria
  - View and process Jobs, Tasks, and Spooled Output
  - Include batch jobs, started tasks, TSO users, APPC jobs, active tasks, held and non-held output
  - Browse, Cut & Paste, Sort, Find, Print, Copy to Disk Dataset, Hold, Requeue, Delete, More
  - Define and Save COPY/PTINT 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 - V4R6M0

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	0008		931
---	JSZ\$	J020283	04/23/2012	1:10	JSZ	A	P390	0008		173,744
---	MMUBUILD	J020420	04/23/2012	17:25	MMU1	A	P390	0008		15,356
---	JSZ\$	J020592	04/24/2012	12:25	JSZ	A	P390	0008		711,478
---	JSZ\$	J020611	04/24/2012	14:14	JSZ	A	P390	0008		1,195,102
---	JSZ\$	J020621	04/24/2012	15:28	JSZ	A	P390	0008		1,817
---	JSZ\$	J021613	05/01/2012	10:14	JSZ	A	P390	0008		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 - Field Level Highlighting

```
04:07pm Criteria Display Facilities Help
```

Row 1 to 17 of 181

OMC-FLASH Jobname Selection - V4R6M0

COMMAND ==> █ SCROLL ==> PAGE

Sel	Jobname	Number	Date	Time	Owner	Class	Main	Active Pr	Layout: DEMOHI	Posn	Hld	Status	Max CC	Lines	Pages	Programmer	MsgC	Fail	CC	Fail	Proc	
---	JSZ	T605786			JSZ	A	G1BJ3G	15	121	N/A	Act	Main		N/A	N/A							
---	JSZ	T605785	08/08	10:20	JSZ	A	G1BJ3G	15	120	3	Wait	WTR	0000	644	0							Z
---	BVD	T605784	08/07	12:18	BVD	A	G1BJ3G	15	119	3	Printing	0000	5,250	0								Z
---	JSZ	T605783	08/04	10:43	JSZ	A	G1BJ3G	15	118	3	Wait	WTR	A 622	640	0							Z
---	F460MMU	S605782	08/03	13:31	F460MMU	A	G1BJ3G	15	117	N/A	Act	Main		N/A	N/A							Z
---	MMU1	T605781	08/03	9:09	MMU1	A	G1BJ3G	15	116	3	Printing	0000	6,497	0								Z
---	MMU	T605780	08/03	9:00	MMU	A	G1BJ3G	15	115	3	Printing	0000	887	0								Z
---	QATSP50	S605779	08/02	15:39	QATSP50	A	G1BJ3G	15	114	3	Wait	WTR	0000	253	0							Z
---	QATSP50	S605778	08/02	15:34	QATSP50	A	G1BJ3G	15	113	3	Wait	WTR	0000	239	0							Z
---	OMCAPLMJ	J605777	08/02	15:34	BAK	A	G1BJ3L	2	3213	7	Wait	WTR	0000	11,587	0	OMC						T
---	OMCRCVMJ	J605776	08/02	15:34	BAK	A	G1BJ3L	2	3212	4	Wait	WTR	0000	147	0	OMC						T
---	OMCREJCD	J605775	08/02	15:33	BAK	A	G1BJ3L	2	3211	4	Wait	WTR	0000	208	0	OMC						T
---	QATSP50	S605774	08/02	15:27	QATSP50	A	G1BJ3G	15	112	3	Wait	WTR	0000	235	0							Z
---	OMCAPLMO	J605773	08/02	15:27	BAK	A	G1BJ3L	2	3210	7	Wait	WTR	0000	676	0	OMC						Z
---	OMCRCVMO	J605772	08/02	15:26	BAK	A	G1BJ3L	2	3209	4	Wait	WTR	0000	151	0	OMC						T
---	OMCREJCD	J605771	08/02	15:26	BAK	A	G1BJ3L	2	3208	4	Wait	WTR	0000	208	0	OMC						T
---	QATSP50	S605770	08/02	15:22	QATSP50	A	G1BJ3G	15	111	3	Wait	WTR	0000	229	0							Z
---	OMCAPLMO	J605769	08/02	15:21	BAK	A	G1BJ3L	2	3207	7	Wait	WTR	0000	686	0	OMC						T
---	OMCRCVMO	J605768	08/02	15:21	BAK	A	G1BJ3L	2	3206	4	Wait	WTR	0000	151	0	OMC						T
---	OMCREJCD	J605767	08/02	15:21	BAK	A	G1BJ3L	2	3205	4	Wait	WTR	0000	208	0	OMC						T
---	PTFLIST	J605766	08/02	15:07	BAK	A	G1BJ3L	2	3204	7	Wait	WTR	0000	3,520	0	OMC200						T
---	QATSP50	S605765	08/02	15:06	QATSP50	A	G1BJ3G	15	110	3	Wait	WTR	0000	253	0							Z
---	OMCAPLMJ	J605764	08/02	15:05	BAK	A	G1BJ3L	2	3203	7	Wait	WTR	0000	11,587	0	OMC						Z
---	OMCRCVMJ	J605763	08/02	15:05	BAK	A	G1BJ3L	2	3202	4	Wait	WTR	0000	147	0	OMC						T
---	OMCREJCD	J605762	08/02	15:04	BAK	A	G1BJ3L	2	3201	4	Wait	WTR	0000	208	0	OMC						T
---	OMCAPLMJ	J605761	08/02	15:04	BAK	A	G1BJ3L	2	3200	7	Wait	WTR	0000	11,587	0	OMC						T
---	OMCRCVMJ	J605760	08/02	15:04	BAK	A	G1BJ3L	2	3199	4	Wait	WTR	0000	147	0	OMC						T
---	OMCREJCD	J605759	08/02	15:03	BAK	A	G1BJ3L	2	3198	4	Wait	WTR	0000	208	0	OMC						T
---	QATSP50	S605758	08/02	15:02	QATSP50	A	G1BJ3G	15	109	3	Wait	WTR	0000	229	0							Z
---	OMCAPPLO	J605757	08/02	15:02	BAK	A	G1BJ3L	2	3197	7	Wait	WTR	0000	649	0	OMC						T
---	OMCRCVOP	J605756	08/02	15:01	BAK	A	G1BJ3L	2	3196	4	Wait	WTR	0000	151	0	OMC						T
---	OMCREJCD	J605755	08/02	15:01	BAK	A	G1BJ3L	2	3195	4	Wait	WTR	0000	208	0	OMC						T
---	BAK	J605754	08/02	14:57	QATSP50	A	G1BJ3L	2	3194	4	Wait	WTR	0000	155	0	CFA						T
---	QATSP50	S605753	08/02	14:56	QATSP50	A	G1BJ3G	15	108	3	Wait	WTR	0000	227	0							Z
---	BAK	T605752	08/02	14:55	BAK	A	G1BJ3G	15	107	3	Wait	WTR	A 622	1,311	0							Z
---	TSPHIS1	J605751	08/02	14:40	QATSP50	A	G1BJ3L	2	3193	1	Wait	WTR	0000	65	0	TSPRINT						V
---	QATSP50	S605750	08/02	14:39	QATSP50	A	G1BJ3G	15	106	3	Wait	WTR	0000	227	0							Z
---	OMCAPPLJ	J605749	08/02	14:38	HIS	A	G1BJ3L	2	3192	7	Wait	WTR	0000	1,275	0	OMC						T
---	OMCRCVJ	J605748	08/02	14:38	HIS	A	G1BJ3L	2	3191	4	Wait	WTR	0000	151	0	OMC						T
---	OMCREJCD	J605747	08/02	14:38	HIS	A	G1BJ3L	2	3190	4	Wait	WTR	0000	208	0	OMC						T
---	HIS	T605746	08/02	14:33	HIS	A	G1BJ3G	15	105	3	Wait	WTR	0000	780	0							Z



## OMC-FLASH – JES Environment Management

- Printer Status Display - Overtime 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
- RET 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 – Overtyping 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
- 31 bit Mode Addressing for OMC-FLASH Modules – Increased Performance and Efficiency
- 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™** 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
  - DestDevt - 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
  
- 64-bit Storage
  
- REXX API

Questions?  
THANK YOU!

***DYNA-STEP™***

Dynamic STEPLIB and  
ISPF Library Management

***OMC-FLASH™***

JES2 and JES3 Spool  
Viewing and Management

**FOR MORE INFORMATION VISIT:**

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# Session 12095: ISPF Innovations

