



z/OS Basic Skills: Introduction to ISPF

Unit 3: Using the ISPF utilities Module 3: Using the ISPF move/copy utility

```
di, 3444  
mov ax, Score  
call PrintNumber  
  
di, 219  
call DrawShape  
  
ah, 1  
call GetKey
```



```
xor di, di  
mov cx, 2000  
mov ax, 700h  
rep stosw  
  
call DrawBorders  
  
mov di, 184  
mov si, offset sNext  
call PrintText  
mov di, 272  
mov si, offset sHiScore  
call PrintText
```

```
mov al, 0- mov ah, 7  
Clear screen and set color 7  
  
mov di, 3430  
mov si, offset sStop  
call PrintText  
mov di, 450  
mov si, offset sSpeed  
call PrintText
```

```
mov di, 292  
mov ax, HiScore  
call PrintNumber  
  
mov Score, 0  
  
call ChooseGame  
  
call Rand  
mov NextShape, ax  
call NewShape  
call DrawNextShape
```



Using the ISPF move/copy utility – Introduction

The ISPF utilities provide a variety of functions for library, data set, and catalog maintenance. In this module, *Using the ISPF move/copy utility*, we'll explore a set of utilities that allow you to copy or move a sequential or partitioned data set (PDS), or move one or more members from one PDS to another.

Copying a data set or member reproduces it in another location, which gives you two versions of the same information. However, moving a data set or member deletes the original copy so you have only one copy of the information in a new location.

Time to complete: 15 - 20 minutes

```

Menu  Utilities  Compilers  Options  Status  Help

                                ISPF Primary Option Menu

Option ==> 3_

0 Settings      Terminal and user parameters      User ID   : SMCHUGH
1 View          Display source data or listings    Time.    : 15:04
2 Edit          Create or change source data      Terminal : 3278
3 Utilities      Perform utility functions         Screen   : 1
4 Foreground    Interactive language processing  Language : ENGLISH
5 Batch          Submit job for language processing  Appl ID  : PDF
6 Command        Enter TSO or Workstation commands  TSO logon: IKJACCT
7 Dialog Test    Perform dialog testing           TSO prefix: SMCHUGH
9 IBM Products  IBM program development products  System ID: SC76
10 SCLM          SW Configuration Library Manager  MVS acct.: ACCNT#
11 Workplace     ISPF Object/Action Workplace      Release  : ISPF 5.7

Enter X to Terminate using log/list defaults

F1=Help  F2=Split  F3=Exit  F7=Backward  F8=Forward  F9=Swap
F10=Actions  F12=Cancel

MR a                                           04/015
  
```

Using the ISPF move/copy utility – Objectives

Upon completion of this module, you should be able to:

- Access and use the ISPF move/copy utility
- Select move/copy utility options
- Use the main functions of the move/copy utility

Using the ISPF move/copy utility – Accessing the Utility Selection Panel

When you select option 3 on the Primary Options Menu, the Utility Selection Panel appears. This panel typically gives you access to many different utility options. In this series of modules on ISPF utilities, we explore some of the most commonly used utilities:

- The library utility
- The data set utilities
- The move/copy utility
- The dslist utility
- The compare and search utilities.

```
Menu Help
Utility Selection Panel
Option ==>
1 Library      Compress or print data set.  Print index listing.  Print,
                rename, delete, browse, edit or view members
2 Data Set     Allocate, rename, delete, catalog, uncatalog, or display
                information of an entire data set
3 Move/Copy    Move, or copy members or data sets
4 Dslist       Print or display (to process) list of data set names.
                Print or display VTOC information
5 Reset        Reset statistics for members of ISPF library
6 Hardcopy     Initiate hardcopy output
7 Transfer     Download ISPF Client/Server or Transfer data set
8 Outlist      Display, delete, or print held job output
9 Commands     Create/change an application command table
11 Format       Format definition for formatted data Edit/Browse
12 SuperC      Compare data sets (Standard Dialog)
13 SuperCE     Compare data sets Extended (Extended Dialog)
14 Search-For  Search data sets for strings of data (Standard Dialog)
15 Search-ForE Search data sets for strings of data Extended (Extended Dialog)
F1=Help      F2=Split    F3=Exit    F7=Backward F8=Forward F9=Swap
F10=Actions  F12=Cancel
```

Using the ISPF move/copy utility – Starting the ISPF move/copy utility

To access the move/copy utility, select option 3 on the Utility Selection Panel and press the Enter (right Ctrl) key*.

Alternatively, you can jump directly to the Data Set Utility panel from the Primary Options Menu by enter 3.3 on the Primary Options Menu and pressing the Enter (right Ctrl) key*.

* The default Enter key for a Personal Communications (PCOMM) terminal emulator session is the right Ctrl key. If you are using a different terminal emulator, or your PCOMM keyboard has been customized, you may have a different Enter key.

```

Menu Help
Utility Selection Panel
Option ==> 3
More: +
1 Library      Compress or print data set. Print index listing. Print,
                rename, delete, browse, edit or view members
2 Data Set     Allocate, rename, delete, catalog, uncatalog, or display
                information of an entire data set
3 Move/Copy    Move, or copy members or data sets
4 Dslist       Print or display (to process) list of data set names.
                Print or display VTOC information
5 Reset        Reset statistics for members of ISPF library
6 Hardcopy     Initiate hardcopy output
7 Transfer     Download ISPF Client/Server or Transfer data set
8 Outlist      Display, delete, or print held job output
9 Commands     Create/change an application command table
11 Format       Format definition for formatted data Edit/Browse
12 SuperC      Compare data sets (Standard Dialog)
13 SuperCE     Compare data sets Extended (Extended Dialog)
14 Search-For  Search data sets for strings of data (Standard Dialog)
15 Search-ForE Search data sets for strings of data Extended (Extended Dialog)
F1=Help      F2=Split    F3=Exit      F7=Backward F8=Forward F9=Swap
F10=Actions  F12=Cancel
MR a 04/015
  
```

Using the ISPF move/copy utility – Exploring the ISPF Move/Copy Utility panel

The Move/Copy Utility panel has several sections. Like most ISPF panels, this one has an action bar at the top.

The options you can select on this panel can operate on either an entire data set or a member.

The library and other data set section is similar to the section on the View Entry panel or the Edit Entry panel. This section is where you specify the name of the data set from which you want to copy or move information.

The password section allows you to enter a password to access password protected data sets.

The screenshot shows the ISPF Move/Copy Utility panel. The top menu bar includes 'Menu', 'RefList', 'Utilities', and 'Help'. The panel title is 'Move/Copy Utility'. The 'Option section' is highlighted, showing options 'C' (Copy data set or member(s)) and 'M' (Move data set or member(s)), with sub-options 'CP' (Copy and print) and 'MP' (Move and print). The 'Library and other data set section' is highlighted, showing fields for 'From ISPF Library' (Project: SMCHUGH, Group: TEST, Type: COBOL, Member:) and 'From Other Partitioned or Sequential Data Set' (Data Set Name, Volume Serial). The 'Password section' is highlighted, showing 'Data Set Password' and a note '(If password protected)'. The bottom of the panel shows a status bar with 'MA', 'a', 'A', and '04/014'.

Using the ISPF move/copy utility – Move/copy utility options

You can use the following options on an entire data set or member:

- C – copy a data set or members
- M – move a data set or members
- CP – copy and print
- MP – move and print

```

Menu  RefList  Utilities  Help

Move/Copy Utility

Option ==>

C  Copy data set or member(s)      CP Copy and print
M  Move data set or member(s)     MP Move and print

Specify "From" Data Set below, then press Enter key

From ISPF Library:
Project . . . SMCHUGH      (--- Options C and CP only ---)
Group . . . TEST
Type . . . COBOL
Member . . .              (Blank or pattern for member list,
                          "x" for all members)

From Other Partitioned or Sequential Data Set:
Data Set Name . . .
Volume Serial . . .      (If not cataloged)

Data Set Password . . .   (If password protected)
F1=Help    F2=Split    F3=Exit    F7=Backward  F8=Forward  F9=Swap
F10=Actions F12=Cancel

MAR  a                                     A                                04/014
  
```

Using the ISPF move/copy utility – Copying or moving a data set

Use the C or M options to either copy or move a data set, respectively. If you also want a printout of the contents of the data set, use CP or MP. ISPF copies the data set contents into the list data set that it submits for batch printing when you end the ISPF session.

If you are searching for a specific member to copy, you can enter up to four library names. ISPF concatenates the search for each of the libraries until it finds the specified member. Concatenated search works only for copy options.

To copy a sequential data set, enter the name of the sequential data set in the Other Data Set Name field. Select your copy or move option, then press Enter.

```

Menu  RefList  Utilities  Help

                                Move/Copy Utility

Option ==> C

C  Copy data set or member(s)      CP Copy and print
M  Move data set or member(s)     MP Move and print

Specify "From" Data Set below, then press Enter key

From ISPF Library:
Project . . . SMCHUGH              (--- Options C and CP only ---)
Group   . . . TEST                TEST1 . . . TEST2 . . . TEST3
Type    . . . COBOL
Member  . . . IGYADIXIT            (Blank or pattern for member list,
                                   "* for all members)

From Other Partitioned or Sequential Data Set:
Data Set Name . . .
Volume Serial . . . (If not cat

Data Set Password . . . (If password protected)
F1=Help  F2=Split  F3=Exit  F7=Backward  F8=Forward  F9=Swap
F10=Actions  F12=Cancel

04/01/15
  
```

For the copy options you can specify up to 4 library names for a concatenated search

Using the ISPF move/copy utility – Specifying the target data set

On the panel that follows, enter either the project, group, and type in the To ISPF Library fields or the fully qualified data set name in the To Other Partitioned or Sequential Data Set field. If you left the member field blank or specified an asterisk (the symbol *) in the member name field on the previous panel, the member name field does not appear on this panel.

If you specified a member on the previous panel, the member field appears here. Leave the member field blank to keep the copied member name the same.

If you want the copied member to have a new member name, type the new name in this field.

```

Menu  RefList  Utilities  Help

COPY      From SMCHUGH.TEST.COBL (IGYADXIT)
Command ==> _____

To ISPF Library:                                Options:
Project . . . SMCHUGH                          Enter "/" to select option
Group . . . TEST3                               / Replace like-named members
Type . . . COBOL                               / Process member aliases
Member . . . IGYADX3 (Blank unless member is to be renamed)

To Other Partitioned or Sequential Data Set:
Data Set Name . . . _____
Volume Serial . . . _____ (If not cataloged)

Data Set Password . . . _____ (If password protected)

To Data Set Options:
Sequential Disposition      Pack Option      SCLM Setting
2 1. Mod                    3 1. Yes          3 1. SCLM
  2. Old                    2. No           2. Non-SCLM
                          3. Default        3. As is

F1=Help  F2=Split  F3=Exit  F7=Backward  F8=Forward  F9=Swap
F10=Actions  F12=Cancel

WR  a 10/025
  
```

Using the ISPF move/copy utility – Specifying copy options

The options on the target data set panel include:

Replace like-named members replaces members in the To data set with a like-named member in the From data set. This means that duplicate members will be deleted from the To data set before they are copied or moved. If you do not select this option, duplicate members *will not* be copied or moved.

Process member aliases allows the primary member and all alias members to be copied together.

```

Menu  RefList  Utilities  Help

COPY      From SMCHUGH.TEST.COBOL (IGYADXIT)
Command ***>

To ISPF Library:      Options:
Project . . . SMCHUGH      Enter "/" to select option
Group . . . TEST3         / Replace like-named members
Type . . . COBOL          / Process member aliases
Member . . . IGYADX3      (Blank unless member is to be renamed)

To Other Partitioned or Sequential Data Set:
Data Set Name . . .
Volume Serial . . . (If not cataloged)

Data Set Password . . . (If password protected)

To Data Set Options:
Sequential Disposition      Pack Option      SCLM Setting
2 1. Mod                    3 1. Yes          3 1. SCLM
 2. Old                     2. No            2. Non-SCLM
                          3. Default        3. As is

F1=Help    F2=Split    F3=Exit    F7=Backward  F8=Forward  F9=Swap
F10=Actions F12=Cancel

MA  a
10/025

```

Using the ISPF move/copy utility – Specifying the target data set options

Specify the To Data Set Options at the bottom of the panel

Under Sequential Disposition, select Mod to add the copied or moved data to the end of an existing data set. Select Old to erase the previous contents of the To data set.

Under Pack Option, select Yes to store the output data set in packed (compressed) format, No to store in unpacked format, or Default to accept the same format as the From data set.

The SCLM Setting specifies what type of edit was last performed on the file. You can set this to SCLM, non-SCLM, or to leave the current setting.

```

Menu  RefList  Utilities  Help

COPY      From SMCHUGH.TEST.COBOL (IGYADXT)
Command ***>

To ISPF Library:                                Options:
Project   . . . SMCHUGH                        Enter "/" to select option
Group    . . . TEST3                          / Replace like-named members
Type     . . . COBOL                          / Process member aliases
Member   . . . IGYADX3 (Blank unless member is to be renamed)

To Other Partitioned or Sequential Data Set:
Data Set Name . . .
Volume Serial . . . (If not cataloged)

Data Set Password . . . (If password protected)

To Data Set Options:
Sequential Disposition      Pack Option      SCLM Setting
2 1. Mod                    3 1. Yes          3 1. SCLM
  2. Old                    2. No           2. Non-SCLM
                          3. Default        3. As is

F1=Help    F2=Split    F3=Exit    F7=Backward  F8=Forward  F9=Swap
F10=Actions F12=Cancel

MA  a 10/025

```

Using the ISPF move/copy utility – Moving a single member from one PDS to another - simulation

To move a single member from one PDS to another, enter the complete information (including member name) in the From ISPF Library section of the Move/Copy Utility panel. Then type M on the option line and press the Enter key.

To try a simulation of moving a member from one data set to another, click the Launch button.

```

Menu  RefList  Utilities  Help

                                Move/Copy Utility
Option ==> M

C  Copy data set or member(s)      CP Copy and print
M  Move data set or member(s)      MP Move and print

Specify "From" Data Set below, then press Enter key

From ISPF Library:
Project . . . SMCHUGH      (--- Options C and CP only      ---)
Group . . . TEST1
Type . . . COBOL
Member . . . IGYADX2      (Blank or pattern for member list,
                          "x" for all members)

From Other Partitioned or Sequential Data Set:
Data Set Name . . .
Volume Serial . . .      (If not cataloged)

Data Set Password . . .      (If password protected)
F1=Help      F2=Split      F3=Exit      F7=Backward  F8=Forward  F9=Swap
F10=Actions  F12=Cancel

MR  a                                     A                                     15/026

```

Using the ISPF move/copy utility – Using the copy/move all option - simulation

To copy or move all members from one PDS to another, enter an asterisk (the symbol *) in the member field of the From ISPF Library.

Carefully consider the Replace like-named members option on the To data set panel. If you want to allow replacement of like-named members in the target data set, use a slash (the symbol /) to select this option. If you want to prevent replacement of like-named members in the target data set, do not select this option.

To try a simulation, click on the Launch button.

The screenshot displays the ISPF COPY utility interface. At the top, a menu bar includes 'Menu', 'RefList', 'Utilities', and 'Help'. The main panel is titled 'COPY' and shows the source as 'From SMCHUGH.TEST.COBOL(*)'. Below this, it prompts to 'Specify "To" Data Set Below'. The 'To ISPF Library' section shows 'Project . . . SMCHUGH', 'Group . . . TEST1', and 'Type . . . COBOL'. The 'Options' section includes 'Enter "/" to select option', 'Replace like-named members' (selected with a slash), and 'Process member aliases' (selected with a slash). The 'To Other Partitioned or Sequential Data Set' section has fields for 'Data Set Name', 'Volume Serial', and 'Data Set Password'. The 'To Data Set Options' section includes 'Sequential Disposition' (1. Mod, 2. Old), 'Pack Option' (1. Yes, 2. No), and 'SCLM Setting' (1. SCLM, 2. Non-SCLM). At the bottom, function keys are listed: F1=Help, F2=Split, F3=Exit, F7=Backward, F8=Forward, F9=Swap, F10=Actions, and F12=Cancel. The status bar at the bottom shows 'MF a' and '10/023'.

Using the ISPF move/copy utility – Selecting multiple members to copy or move

To select multiple members to copy or move from one PDS to another, fill in the Project, Group, and Type, but leave the Member field blank on the From data set panel. Then press the Enter key. In the To ISPF Library, enter the name of the To data set and press the Enter key. Because you left the member name field blank in the From data set, ISPF displays a member selection list. Type an S next to each member you wish to copy or move.

Menu Functions Utilities Help						
MOVE	SMCHUGH.TEST.COBOL		TO SMCHUGH.TEST3.COBOL		Row 00001 of 00059	
Command ==>			Scroll ==> PAGE			
Name	Prompt	Size	Created	Changed	ID	
S IGYADXIT		179	2006/07/13	2006/09/15 17:34:21	SMCHUGH	
S IGYBCMP		153	2006/07/13	2006/07/13 20:33:25	SMCHUGH	
S IGYBCMPC		70	2006/07/13	2006/07/13 20:34:01	SMCHUGH	
S IGYBCMP1		57	2006/07/13	2006/07/13 20:34:30	SMCHUGH	
. IGYBCMP2		56	2006/07/13	2006/07/13 20:35:23	SMCHUGH	
. IGYBLNK		161	2006/07/13	2006/07/13 20:36:14	SMCHUGH	
. IGYBLNKC		85	2006/07/13	2006/07/13 20:37:20	SMCHUGH	
. IGYBLNK1		60	2006/07/13	2006/07/13 20:37:44	SMCHUGH	
. IGYBLNK2		71	2006/07/13	2006/07/13 20:51:24	SMCHUGH	
. IGYCDOPT		21	2006/07/13	2006/07/13 21:07:09	SMCHUGH	
. IGYFCMP		44	2006/07/13	2006/07/13 21:07:39	SMCHUGH	
. IGYFINF		80	2006/07/13	2006/07/13 21:07:55	SMCHUGH	
. IGYFLNK2		59	2006/07/13	2006/07/13 21:08:59	SMCHUGH	
. IGYFTPAD		65	2006/07/13	2006/07/13 21:09:40	SMCHUGH	
. IGYISMKD		76	2006/07/13	2006/07/13 21:10:02	SMCHUGH	
. IGYIVP		454	2006/07/13	2006/07/13 15:48:34	SMCHUGH	
. IGYIVP2		7	2006/07/13	2006/07/13 21:11:01	SMCHUGH	
F1=Help F2=Split F3=Exit F5=Rfind F7=Up F8=Down F9=Swap						
F10=Left F11=Right F12=Cancel						
MR	a					09/013

Using the ISPF move/copy utility – Summary

In this module, Using the ISPF move/copy utility, you have learned:

- How to access the move/copy utility
- How to copy and move data sets and data set members from one PDS to another