



This is the tutorial for the IMS™ feature of IBM's File Manager for z/OS®, one of the IBM zSeries® problem determination tools.

File Manager IMS version 10 tutorial Part 2: Option settings



- **Introduction**



- **File Manager IMS option settings**

- Option settings

- **Edit and browse access modes**

- Using BMP or DLI access
- Using a dynamic or static PSB

- **Browsing or editing an IMS database**

- Starting browse
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File Manager IMS has a set of options that you can customize with your own preferences. They affect things like the types of information displayed in browse and edit, and how IMS databases are accessed.

In this section you will see a description of many of the options, how you can modify them, and some suggested settings.

As you view this section, you might want to update your settings in File Manager IMS. Pause the tutorial as needed to check and customize your own options on your system.

File Manager IMS options



```
Process  Options  Help
-----
FM/IMS                                     Primary Option Menu
Command === 0
0 Settings      Set processing options      User ID . . : DNET845
1 Browse        Browse data                  System ID  : DEMOMVS
2 Edit          Edit data                    Appl ID   : FMN1
3 Utilities     Perform utility functions   Version . . : 10.1.0
4 Templates     Template/view/criteria set utilities Terminal . : 3278
X Exit          Terminate FM/IMS           Screen . . : 1
                                           Date . . . : 2009/12/30
                                           Time . . . : 14:12
```

To update options, select 0 (Settings) or put the cursor on the options tab and press Enter

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F9=Swap F10=Actions F12=Cancel F8=Fo **Enter**

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From the File Manager IMS primary option menu there are two ways to review or change your settings. One way is to position your cursor on the Options tab at the top of the screen and press enter. The second is to enter 0 on the command line. Here on the "Primary Option Menu" for File Manager IMS, "0" is typed on the command line, followed by the Enter key.

Select print settings



The screenshot shows the 'Settings Menu' in the IBM File Manager IMS. The menu is titled 'Settings Menu' and lists the following options:

Option Number	Option Name	Description
1	Print	Print settings
2	System	System settings
3	Batch	Job card specifications
4	Compiler	Language and compiler specifications
5	EDIT	Editor options
6	Subsystem	IMS subsystem settings
7	Temporary	Temporary Data Set Allocations
8	Output	Output Data Set Allocations
9	Trace	Trace options

A callout box with a yellow background and black border contains the text: "PFSHOW command toggles the function key display. PFSHOW OFF turns them off." An arrow points from this box to the '1' in the 'Command === 1' line of the menu.

At the bottom of the menu, there are function key assignments: F1=Help, F2=Split, F3=Exit, F4=CRetriev, F7=Backward, F8=Fo, F9=Swap, F10=Actions, F12=Cancel. A yellow box labeled 'Enter' is also present.

The footer of the screenshot includes the number '4', the text 'IBM File Manager for z/OS IMS Feature - Tutorial', and the copyright notice '© 2010 IBM Corporation'.

The File Manager IMS "Settings menu" is displayed. The options can be selected by entering the setting selection number on the command line. Notice that function keys can be displayed. It can be a good idea to turn on the function keys display, since function key options are sometimes specific to particular panels. To turn the keys on or off, use the PFSHOW command on the command line. This command is a toggle. If the key display is off, PFSHOW will turn them on. If the key display is on, PFSHOW will turn them off.

To review the Print settings "1" is typed on the command line, and Enter is pressed.

Print options



```
Process  Options  Help
-----
FM/IMS          Set Print Processing Options
Command ==>>> _____

Print Options:
Output destination      Record length      Enter "/" to select option
 3 1. SYSPRINT          2 1 80              Page skip
 2. Terminal                               Wide print
 3. Data set                               Translate non-printable chars
 4. REXX                                   Uppercase message text
                                           Data prefix
                                           Header page

Data set DISP
 1 1. OLD                1. updown
 2. MOD                 2. Across

Data set name . . . DNET845.FMN.LIST
Output class . . . A
Lines per page . . . 60
Record limits . . . (1,*) (n,m) n=begin column, m=end column

F1=Help      F2=Split      F3=Exit      F4=CRetriev  F6=Reset      F7=Ba
F8=Forward   F9=Swap       F10=Actions  F12=Cancel

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```

File Manager IMS has field level help. Put the cursor on a field, and press F1.



File Manager IMS has field level help on many panels. To get help about a specific field, put the cursor on a field, and press the F1 key. In this example, the cursor has been placed on the "Data set disposition" field, and F1 is pressed.

Field help display



```
Process  Options  Help
-----
FM/IMS          Set Print Processing Options
Command ==>>>

Print Options:
Output destination      Record length      Enter "/" to
3  1. SYSPRINT          2  1. 80            Page skip
   2. Terminal          2. 132             / Wide print
----- Set Disposition of Print Data Set -----

Range: OLD, MOD
Default: MOD, unless changed in your File Manager installation.

Specify one of the following:

OLD specifies that a print data set is cleared before each print
operation.
MOD specifies that records are appended to a print data set on
each print operation.

F1=Help   F2=Split   F3=Exit   F4=Resize   F5=Ex-help
F6=Keyshelp F7=PrvPage F8=NxtPage F9=Swap    F10=PrvPage
```

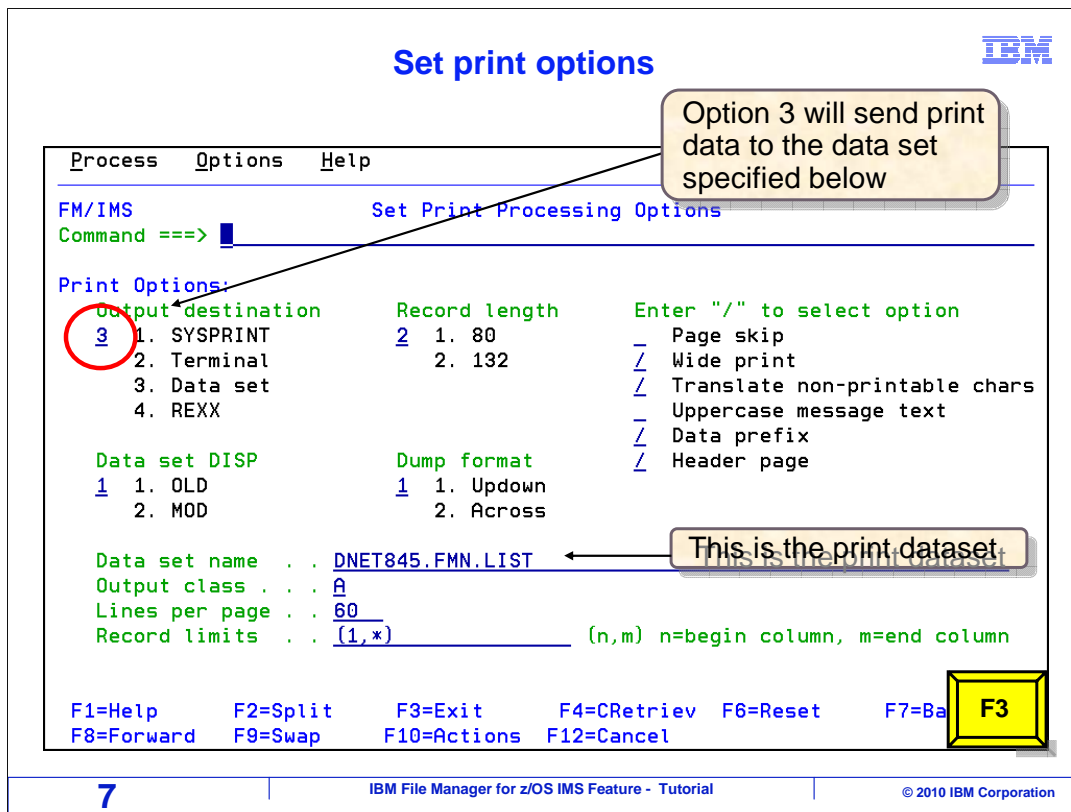
A pop-up panel provides help information

column

F3

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A pop-up panel is displayed, providing help information about the selected field. The F3 key (exit) is pressed to remove the pop-up panel.



Here is the "Set Print Processing Options" panel. As a best practice, it is strongly recommend that you change the "Output destination" setting to "3" (Data set) as shown in this example. The default setting may send the output of reports that you generate online to your terminal. If you have a large report, there would be page after page of output displayed right on your screen. And that is probably not what you want.

When this setting is "3", for "data set", when ever you perform an action in File Manager that produces a report, the report will be written to a file. You can choose the name of the file in the "Data set name" field. Most people use the default name. File Manager will allocate this file automatically if it does not already exist. There is a simple command in File Manager. PB (for "print browse") that you can use to browse the print data set at any time. But that will be covered in a later section.

Next, change the "Output class" setting to a held SYSOUT class that is valid on your system. After you have generated a report, you can easily send the contents of your print data set to SYSOUT. When you do that, it will go to the class that you specify here. If you are not sure what held SYSOUT classes are defined on your system, take a look at one of your job cards, and use the same SYSOUT class that is coded on your job card. If you do not have any JCL that you can refer to, ask a colleague.

Press F3 to return to the options menu.

Select system settings



<u>P</u> rocess	<u>O</u> ptions	<u>H</u> elp
FM/IMS		Settings Menu
Command ===	2	
1	Print	Print settings
2	System	System settings
3	Batch	Job card specifications
4	Compiler	Language and compiler specifications
5	EDIT	Editor options
6	Subsystem	IMS subsystem settings
7	Temporary	Temporary Data Set Allocations
8	Output	Output Data Set Allocations
9	Trace	Trace options

F1=Help F2=Split F3=Exit F4=CRetriev F7=Backward F8=Forward
F9=Swap F10=Actions F12=Cancel

Enter

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Next, select option 2, system settings.

System settings - take the defaults



```
Process  Options  Help
-----
FM/IMS                                     System Settings
Command ==>>> █

Options:
  Enter "/" to select option
  _ Fast PSB validation

  Editor choice for viewing/editing members and output data
  2 1. ISPF editor
    2. File Manager base editor

Parameters:
  Pad character . . . . . _____ (Character or hex value)

F1=Help      F2=Split      F3=Exit      F4=CRetriev  F7=Backward  F8=Fo
F9=Swap      F10=Actions  F12=Cancel

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```

The "System settings" panel allows you to customize a few system-wide File Manager settings. For example, when you edit a PDS member, you can choose whether you want to use the ISPF editor or the File Manager base editor. No changes are suggested on this panel. Press F3 to return.

Select batch settings



```
Process  Options  Help
-----
FM/IMS                                     Settings Menu
Command ==> 3
```

1	Print	Print settings
2	System	System settings
3	Batch	Job card specifications
4	Compiler	Language and compiler specifications
5	EDIT	Editor options
6	Subsystem	IMS subsystem settings
7	Temporary	Temporary Data Set Allocations
8	Output	Output Data Set Allocations
9	Trace	Trace options

F1=Help F2=Split F3=Exit F4=CRetriev F7=Backward F8=Fo
F9=Swap F10=Actions F12=Cancel

Enter

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Next, from the "Settings menu", select "job card specifications".

Enter batch job card information



Process	Options	Help
FM/IMS		Set Batch Job Card Information
Command	===>	
Batch Submission Job Statement Information:		
//DNET845X JOB (ACCTG),'IBM ADTOOLS WORKSHOP',REGION=4M,CLASS=B,		
//MSGCLASS=H,NOTIFY=&SYSUID,MSGLEVEL=(1,1)		
Enter a valid job card for your system (do not just copy this example). This is used to generate JCL for batch utilities. This information is optional.		
F1=Help	F2=Split	F3=Exit
F9=Swap	F10=Actions	F12=Cancel
F4=CRetriev	F7=Backward	F8=Forward
F3		

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The "Set Batch Job Card Information" panel is displayed. These options only come into play when you do something in File Manager that generates JCL. Certain utilities, like extract and load, run as batch jobs, and File Manager will generate the JCL for you automatically. It is a good idea to specify a job card, and if you do, it will be placed into generated JCL.

An easy way to get it is to cut and paste a job card from some JCL that you have. The job card has to be valid for the unique requirements of your system, so do not just copy the example displayed here.

F3 to return.

Select compiler specifications



Process Options Help

FM/IMS Settings Menu

Command ==> 4

1	Print	Print settings
2	System	System settings
3	Batch	Job card specifications
4	Compiler	Language and compiler specifications
5	EDIT	Editor options
6	Subsystem	IMS subsystem settings
7	Temporary	Temporary Data Set Allocations
8	Output	Output Data Set Allocations
9	Trace	Trace options

F1=Help F2=Split F3=Exit F4=CRetriev F7=Backward F8=Fo
F9=Swap F10=Actions F12=Cancel

Enter

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Next, select option "4", "Language and compiler specifications".

Cobol users can take the defaults



```
Process  Options  Help
-----
FM/IMS          Set Language and compiler specifications
Command ==>

1  LANG          Compiler language selection
2  COBOL         COBOL compiler specifications
3  HLASM        HLASM compiler specifications
4  PL/I         PL/I compiler specifications

F1=Help    F2=Split    F3=Exit    F4=CRetriev  F7=Backward  F8=Fo
F9=Swap    F10=Actions F12=Cancel

F3
```

This is the "Set Language and compiler specifications" panel. You can use COBOL or PL/I copybooks or assembler DSECTs as layouts for your IMS database segments. There are options in the panels under this menu that control whether you will use COBOL, PL/I, assembler, or a combination.

If all your copybooks are COBOL, take the defaults. If you use other types of copybooks, or need to updated compiler-specific options, then update these options as needed. For many people, no changes are needed. Press F3 to return.

Select edit options



<u>P</u> rocess	<u>O</u> ptions	<u>H</u> elp
FM/IMS		Settings Menu
Command ==>	5	
1	Print	Print settings
2	System	System settings
3	Batch	Job card specifications
4	Compiler	Language and compiler specifications
5	EDIT	Editor options
6	Subsystem	IMS subsystem settings
7	Temporary	Temporary Data Set Allocations
8	Output	Output Data Set Allocations
9	Trace	Trace options

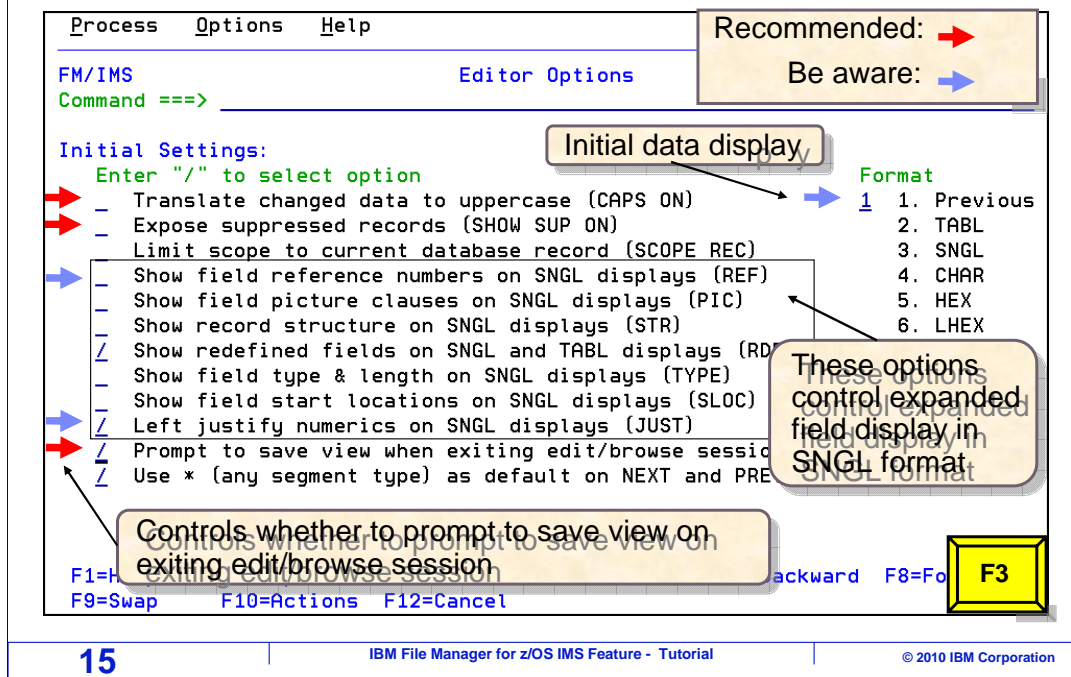
F1=Help F2=Split F3=Exit F4=CRetriev F7=Backward F8=Forward
F9=Swap F10=Actions F12=Cancel

Enter

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Option 5, "editor options" is selected.

These options control formats and data displays in edit and browse



The screenshot shows the 'Editor Options' panel in IBM File Manager. At the top, there are menu options: 'Process', 'Options', and 'Help'. Below that, it says 'FM/IMS' and 'Editor Options'. A 'Command ===>' field is present. A yellow box at the top right says 'Recommended: Be aware:'. The main area is titled 'Initial Settings: Enter "/" to select option'. It lists several options with checkboxes: 'Translate changed data to uppercase (CAPS ON)', 'Expose suppressed records (SHOW SUP ON)', 'Limit scope to current database record (SCOPE REC)', 'Show field reference numbers on SNGL displays (REF)', 'Show field picture clauses on SNGL displays (PIC)', 'Show record structure on SNGL displays (STR)', 'Show redefined fields on SNGL and TABL displays (RD)', 'Show field type & length on SNGL displays (TYPE)', 'Show field start locations on SNGL displays (SLOC)', 'Left justify numerics on SNGL displays (JUST)', 'Prompt to save view when exiting edit/browse session', and 'Use * (any segment type) as default on NEXT and PRE'. A 'Format' section on the right lists: '1. Previous', '2. TABL', '3. SNGL', '4. CHAR', '5. HEX', '6. LHEX'. A yellow box at the bottom right contains 'F3'. A yellow box at the bottom center contains '15'. The footer says 'IBM File Manager for z/OS IMS Feature - Tutorial' and '© 2010 IBM Corporation'.

This is the "Editor options" panel, and you can use it to customize how data is displayed in edit and browse.

To select an option, or turn it on, you type a slash next to it. To turn an option off, you type a space next to it, that is, remove the slash.

In most cases, you should turn off the "Translate changed data to uppercase" setting. If it is on, when you type alphabetic data in the editor, it is automatically converted to upper case. When it is turned off, there is not an automatic upper case conversion. Make sure it is set the way you want it. Either way, you can use the CAPS ON or CAPS OFF command in the editor to temporarily affect automatic case conversion.

The "Expose suppressed records" setting is typically set off. If this setting is on, it is the same as the "SHOW SUP ON" command in the editor, and when it is off, it is the same as the "SHOW SUP OFF" command. These commands and their effects will be described in a later section.

Notice the set of options starting with the one called "Show field reference numbers on SNGL displays". This set of options controls how data is displayed in edit or browse in single format. Single format is when only one segment is displayed at a time, and all of the fields in the segment can be seen. Most people leave the default settings at first, and after gaining experience with the editor or browser may choose to update these settings according to their personal preferences.

Change any of these settings as you prefer. Or you are not sure what they do, just remember that you can change settings for edit and browse on this panel.

F3 to return.

Select subsystem settings



```
Process  Options  Help
-----
FM/IMS                                     Settings Menu
Command ==> 6
-----
1 Print      Print settings
2 System    System settings
3 Batch     Job card specifications
4 Compiler  Language and compiler specifications
5 EDIT     Editor options
6 Subsystem IMS subsystem settings
7 Temporary Temporary Data Set Allocations
8 Output    Output Data Set Allocations
9 Trace     Trace options

F1=Help      F2=Split      F3=Exit      F4=CRetriev  F7=Backward  F8=Fo
F9=Swap      F10=Actions   F12=Cancel

Enter
```

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Next, option 6, "IMS subsystem settings" is selected. This is where you can see and modify settings for each of the IMS subsystems you need to access.

Select DLI mode parameters



```
Process  Options  Help
-----
FM/IMS                                     Subsystem Settings Menu
Command ===> 1
-----
DLI mode settings
1 Parameters Parameters passed to the IMS region controller
2 Data sets 1 DFSVSAMP, RESLIB and IMS macros data set names
3 Data sets 2 RECON and ACBLIB data set names
4 Options Autosave, checkpoint frequencies and PROCOPTs

BMP mode settings
5 Parameters Parameters passed to the IMS region controller
6 Options Autosave, checkpoint frequencies and PROCOPTs

DLI and BMP mode settings
7 Data sets 1 PSB and DBD data set names
8 Data sets 2 Template data set names

IMS Subsystem Name IMSB
-----
F1=Help      F2=Split    F3=Exit     F4=CRetriev  F7=Backward  F8=Forward
F9=Swap      F10=Actions F12=Cancel

Enter the name of the IMS region.
Use an * in this field to select the
IMS region from the subsystem
selection panel

Enter
```

The "Subsystem settings" menu is displayed. First, in the "IMS subsystem name" field, type the name of the IMS subsystem you want to work with. If you do not know the name of the IMS subsystems available on your system, type an asterisk into the field. With an asterisk, a list of subsystems is displayed and you can select one from the list.

Be aware that your system administrator may lock some or all of these options. Certain options may be required by IMS in certain subsystems, and locking options is a way to ensure that users have the correct settings. If you are unable to change a setting, then it is locked, and if you need to change it, you should contact your administrator or the person who installed File Manager.

In this example, a subsystem named "IMSB" is specified, but your subsystems may have different names. Notice the various options on this panel, one through eight. They will be presented in order. Options one through four control settings that are only used when you access an IMS database in DLI access mode. "1" is typed on the command line, and Enter is pressed.

DLI mode parameters – take the defaults



The screenshot displays the "DLI Mode Parameters" panel. At the top, it shows "Process Options Help" and "Recommended: →" and "Be aware: →". The main area is titled "FM/IMS DLI Mode Parameters" and "Subsystem IMSB". Under "Options:", there are three sections: "Dynamic backout" (with a red arrow pointing to the "/" option), "DBRC" (with a blue arrow pointing to the "2" option), and "IRLM" (with a blue arrow pointing to the "2" option). Each section lists three options: "1. Use [feature]", "2. Do not use [feature]", and "3. Subsystem default". Below these are "Parameters:" with fields for IRLMNM, GSGNAME, TMINAME, BUF, and LOCKMAX. At the bottom, there are function key definitions: F1=Help, F2=Split, F3=Exit, F4=CRetriev, F7=Backward, F8=Fo, F9=Swap, F10=Actions, F12=Cancel. A yellow box highlights the "F3" key. Three callout boxes provide additional instructions: "Select to back-out IMS changes after an abend or with Undo or Cancel commands" (pointing to the Dynamic backout option), "Use IRLM if sharing DLI data sets with others. This requires the IRLM Name." (pointing to the IRLM option), and "Use IRLM if sharing DLI data sets with others. This requires the IRLM Name." (pointing to the IRLM option).

The "DLI mode parameters" panel is displayed. These options are only in affect when using DLI access mode, and pertain only to the specific IMS subsystem that was entered on the previous panel, in this case, subsystem "IMSB".

On this panel you can control whether IMS dynamic backout will be used. When backout is turned on, you will have the ability to use an UNDO or CANCEL command in the editor to back out your changes.

You can also control whether the IMS DBRC or IRLM features will be turned on. Unless you know of a specific need to change these options, take the defaults. Press F3 to return.

Select DLI mode data sets 1



```
Process  Options  Help
-----
FM/IMS                                     Subsystem Settings Menu
Command ==> 2
-----
DLI mode settings
1 Parameters Parameters passed to the IMS region controller
2 Data sets 1 DFSVSAMP, RESLIB and IMS macros data set names
3 Data sets 2 RECON and ACBLIB data set names
4 Options Autosave, checkpoint frequencies and PROCOPTs

BMP mode settings
5 Parameters Parameters passed to the IMS region controller
6 Options Autosave, checkpoint frequencies and PROCOPTs

DLI and BMP mode settings
7 Data sets 1 PSB and DBD data set names
8 Data sets 2 Template data set names

IMS Subsystem Name IMSB

F1=Help      F2=Split    F3=Exit     F4=CRetriev F7=Backward F8=Fo
F9=Swap      F10=Actions F12=Cancel

Enter
```

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Next, on the "Subsystem settings" menu, "2" is typed on the command line (for Data sets 1), and Enter is pressed.

DLI mode data sets – take the defaults



```
Process  Options  Help
-----
FM/IMS                                     DLI Mode Data Sets 1
Command ==> █

Subsystem IMSB

DFSVSAMP:
  Data set name . . 'IMS.V10R1.PROCLIB'
  Member . . . . . DFSVSM00

RESLIB:
  Data set name #1 'IMS.IMSB.SDFSRESL'
  Data set name #2
  Data set name #3
  Data set name #4
  Data set name #5
  Data set name #6

IMS Macros:
  Data set name . . 'IMS.V10R1.SDFSMAC'

F1=Help      F2=Split      F3=Exit      F4=CRetriev  F7=Backward  F8=Fo
F9=Swap      F10=Actions   F12=Cancel

F3
```

These values are entered by the IMS system programmer when File Manager IMS is installed

The values can be different for each IMS subsystem

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On the "DLI mode data sets 1" panel, the first set of data sets used in DLI mode is displayed. You can specify a DFSVSAMP file, a concatenation of IMS RESLIB libraries, and the IMS Macro library. Unless you have a need to change any of these options, take the default. Remember that the values can be different for each IMS subsystem. F3 to return.

Select DLI mode data sets 2



```
Process  Options  Help
-----
FM/IMS                                     Subsystem Settings Menu
Command ==> 3
-----
DLI mode settings
1 Parameters Parameters passed to the IMS region controller
2 Data sets 1 DFSVSAMP, RESLIB and IMS macros data set names
3 Data sets 2 RECON and ACBLIB data set names
4 Options Autosave, checkpoint frequencies and PROCOPTs

BMP mode settings
5 Parameters Parameters passed to the IMS region controller
6 Options Autosave, checkpoint frequencies and PROCOPTs

DLI and BMP mode settings
7 Data sets 1 PSB and DBD data set names
8 Data sets 2 Template data set names

IMS Subsystem Name IMSB

F1=Help      F2=Split    F3=Exit      F4=CRetriev  F7=Backward  F8=Forward
F9=Swap      F10=Actions F12=Cancel

Enter
```

The "Subsystem settings" menu is displayed again. "3" is selected (for Data sets 2), and Enter is pressed.

DLI mode data sets – take the defaults



Process Options Help

FM/IMS DLI Mode Data Sets 2

Command ==>

Subsystem IMSB

RECON:

Primary data set _____

Secondary _____

Spare _____

ACBLIB:

Data set name . . 'IMS.V10R1.ACBLIB'

F1=Help F2=Split F3=Exit F4=CRetriev F7=Backward F8=Forward
F9=Swap F10=Actions F12=Cancel

F3

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Leave the RECON datasets blank, unless needed. Use F1 to see more information

ACBLIB is required only for Fast Path IMS databases

The "DLI mode data sets 2" panel is displayed. This is the second set of data sets used in DLI mode. You can specify primary, secondary, and spare IMS RECON data sets, and an ACB library. Again, take the defaults unless you know of a need to override. F3 to return.

Select DLI options



```
Process  Options  Help
-----
FM/IMS                                     Subsystem Settings Menu
Command ==> 4
-----
DLI mode settings
1 Parameters Parameters passed to the IMS region controller
2 Data sets 1 DFSVSAMP, RESLIB and IMS macros data set names
3 Data sets 2 RECON and ACBLIB data set names
4 Options Autosave, checkpoint frequencies and PROCOPTs

BMP mode settings
5 Parameters Parameters passed to the IMS region controller
6 Options Autosave, checkpoint frequencies and PROCOPTs

DLI and BMP mode settings
7 Data sets 1 PSB and DBD data set names
8 Data sets 2 Template data set names

IMS Subsystem Name IMSB

F1=Help      F2=Split    F3=Exit     F4=CRetriev F7=Backward F8=Fo
F9=Swap      F10=Actions F12=Cancel

Enter
```

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Next, menu option "4" is selected (for DLI options).

Verify DLI mode settings



Process Options Help

FM/IMS DLI Mode Options

Recommended: →
Be aware: →

Command ==>

Subsystem IMSB

Options:
Enter "/" to select option
/ Autosave

Checkpoint Frequencies:
Edit 1
Change All/Repeat All 100
Load 100
Batch Edit 100

PSB Processing Options:
Browse Extract Print Batch Browse
1 1. G 1 1. G 1 1. G 1 1. G
2. GO 2. GO 2. GO 2. GO

F1=Help F2=Split F3=Exit F4=CRetriev F7=Backward F8=Forward
F9=Swap F10=Actions F12=Cancel

Autosave On issues saves after updates. It can be used to minimize locking IMS segments. Recommended for IMS production environments.

A PROCOPT of 1 G reads with integrity. 2 GO reads without integrity.

F3

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The "DLI mode options" panel is displayed. It is important to understand the "Autosave" option, because it effects whether the editor saves your changes automatically, and whether the editor holds update locks. If "autosave" is turned off, if you make a change to data in an IMS database, the editor will not automatically commit the data. That is, it will not automatically write a checkpoint record to the IMS log.

Consider if you want to have the autosave option on. When it is on, it forces an automatic save of your changes, and it works in conjunction with the checkpoint frequencies. For example, you could have an edit checkpoint frequency of one, and autosave on. Then the editor would checkpoint every time you make an update to data. If you have an edit checkpoint frequency of 5, it will checkpoint every fifth time you make a change, and so on. Keep in mind that CANCEL or UNDO commands in the editor will only back out changes to the most recent checkpoint.

The PSB processing options control how File Manager reads data when using a dynamic PSB. Use processing option G to read with integrity, or G-O to read without integrity. You can modify the default processing options for the Browse, Extract, print, and batch browse functions. F3 to return.

Select BMP mode parameters



```
Process  Options  Help
-----
FM/IMS                                     Subsystem Settings Menu
Command ==> 5
-----
DLI mode settings
1 Parameters Parameters passed to the IMS region controller
2 Data sets 1 DFSVSAMP, RESLIB and IMS macros data set names
3 Data sets 2 RECON and ACBLIB data set names
4 Options Autosave, checkpoint frequencies and PROCOPTs

BMP mode settings
5 Parameters Parameters passed to the IMS region controller
6 Options Autosave, checkpoint frequencies and PROCOPTs

DLI and BMP mode settings
7 Data sets 1 PSB and DBD data set names
8 Data sets 2 Template data set names

IMS Subsystem Name IMSB

F1=Help      F2=Split      F3=Exit      F4=CRetriev  F7=Backward  F8=Forward
F9=Swap      F10=Actions   F12=Cancel

Enter
```

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The "subsystem settings" menu is displayed again. Notice that options five and six control settings that are used only when you are accessing an IMS database in BMP mode. Option "5" is selected.

BMP mode parameters – take the defaults



Process Options Help

FM/IMS BMP Mode Parameters

Command ==>

Subsystem IMSB

Options:

PARDLI

1 1. PARDLI=0
2. PARDLI=1

Fast Path Buffer Allocatio

NBA 10
OBA 6

Parameters:

LOCKMAX

Parallel DL/I option is used by functions running in BMP mode
1 - PARDLI=0. DL/I processing is performed in the BMP region.
2 - PARDLI=1. All DL/I processing for the BMP is performed in the IMS control region

These options will be set by the system programmer

F1=Help F2=Split F3=Exit F4=CRetriev F7=Backward F8=Fo
F9=Swap F10=Actions F12=Cancel

F3

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On the "BMP mode parameters" panel, you can control the PARDLI setting, which controls whether DL/I database processing is performed in the BMP region or in the IMS control regions. The settings on this panel are typically controlled by the installer. Override them only if you have a specific requirement. F3 to return.

Select BMP options



```
Process  Options  Help
-----
FM/IMS                                     Subsystem Settings Menu
Command ==> 6
-----
DLI mode settings
1 Parameters Parameters passed to the IMS region controller
2 Data sets 1 DFSVSAMP, RESLIB and IMS macros data set names
3 Data sets 2 RECON and ACBLIB data set names
4 Options Autosave, checkpoint frequencies and PROCOPTs

BMP mode settings
5 Parameters Parameters passed to the IMS region controller
6 Options Autosave, checkpoint frequencies and PROCOPTs

DLI and BMP mode settings
7 Data sets 1 PSB and DBD data set names
8 Data sets 2 Template data set names

IMS Subsystem Name IMSB

F1=Help      F2=Split    F3=Exit     F4=CRetriev F7=Backward F8=Forward
F9=Swap      F10=Actions F12=Cancel

Enter
```

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Back on the "subsystem settings" menu, option "6" is selected.

Set BMP mode options



The screenshot displays the 'BMP Mode Options' panel. At the top, it shows 'Process Options Help' and 'FM/IMS BMP Mode Options'. A 'Recommended:' box with a red arrow and a 'Be aware:' box with a blue arrow are present. The 'Options:' section includes 'Enter "/" to select option' and 'Autosave'. The 'Checkpoint Frequencies:' section lists 'Edit', 'Change All/Repeat All', 'Load', and 'Batch Edit', each with a value of 100. The 'PSB Processing Options:' section lists 'Browse', 'Extract', 'Print', and 'Batch Browse', each with two options: '1. G' and '2. GO'. A yellow box highlights the 'F3' key. Annotations explain that 'Autosave On' saves after updates and that '1 G' reads with integrity while '2 GO' reads without.

Recommended: →
Be aware: →

Options:
Enter "/" to select option
/ Autosave

Checkpoint Frequencies:
Edit 1
Change All/Repeat All 100
Load 100
Batch Edit 100

PSB Processing Options:
Browse Extract Print Batch Browse
1 1. G 1 1. G 1 1. G 1 1. G
2. GO 2. GO 2. GO 2. GO

F1=Help F2=Split F3=Exit F4=CRetriev F7=Backward F8=Fo
F9=Swap F10=Actions F12=Cancel

Autosave On issues saves after updates. Use it to minimize locking IMS segments. Recommended for IMS production environments.

A PROCOPT of 1 G reads with integrity. 2 GO reads without integrity.

F3

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The "BMP mode options" panel is displayed. Here you can control the autosave option and the checkpoint frequencies. These settings have the same effect as the same settings on the "DLI mode options" panel, except of course that these settings are in effect when accessing databases in BMP mode. F3 is pressed.

Select DLI and BMP mode settings



```
Process  Options  Help
-----
FM/IMS                                     Subsystem Settings Menu
Command ==> 7

DLI mode settings
1 Parameters Parameters passed to the IMS region controller
2 Data sets 1 DFSVSAMP, RESLIB and IMS macros data set names
3 Data sets 2 RECON and ACBLIB data set names
4 Options Autosave, checkpoint frequencies and PROCOPTs

BMP mode settings
5 Parameters Parameters passed to the IMS region controller
6 Options Autosave, checkpoint frequencies and PROCOPTs

DLI and BMP mode settings
7 Data sets 1 PSB and DBD data set names
8 Data sets 2 Template data set names

IMS Subsystem Name IMSB

F1=Help      F2=Split      F3=Exit      F4=CRetriev  F7=Backward  F8=Forward
F9=Swap      F10=Actions   F12=Cancel

Enter
```

Options 7 and 8 apply to both DLI and BMP modes

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The last set of menu selections are for settings that are in effect for both DLI and BMP access modes. Option "7" is selected, for PSB and DBD data set names.

Library names can be added to the concatenation for PSB or DBD data sets (panel 1 of 2)

Process Options Help

FM/IMS PSB and DBD Data Sets

Command ==>

Subsystem IMSB

PSB:

Data set name #1 'IMS.PSBLIB'

Data set name #2

Data set name #3

Data set name #4

Data set name #5

Data set name #6

DBD:

Data set name #1 'IMS.DBDLIB'

Data set name #2

Data set name #3

Data set name #4

Data set name #5

Data set name #6

F1=Help F2=Split F3=Exit F4=CRetriev F7=Backward F8=Forward
F9=Swap F10=Actions F12=Cancel

Enter the names of the load libraries that contain the Program Specification Blocks (PSBs)

Enter the load libraries that contain the database definitions (DBDs)

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On the "PSB and DBD data sets" panel, you can specify library concatenations for PSB libraries and DBD libraries.

Library names added to the concatenation for PSB and DBD data sets (panel 1 of 2)



Process	Options	Help
FM/IMS		PSB and DBD Data Sets
Command ==>>		
Subsystem IMSB		
PSB:		
Data set name #1	ADLAB.PSBLIB	
Data set name #2	'IMS.PSBLIB'	
Data set name #3		
Data set name #4		
Data set name #5		
Data set name #6		
DBD:		
Data set name #1	ADLAB.DBDLIB	
Data set name #2	'IMS.DBDLIB'	
Data set name #3		
Data set name #4		
Data set name #5		
Data set name #6		
F1=Help	F2=Split	F3=Exit
F9=Swap	F10=Actions	F12=Cancel

The ADLAB libraries that are used in the lab exercises have been added

F3

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If you have special libraries that you need to access, you can enter them here. In this example, libraries that are used in the workshop exercises are added. Press F3 to return.

Select DLI and BMP mode settings



```
Process  Options  Help
-----
FM/IMS                                     Subsystem Settings Menu
Command ==> 8
-----
DLI mode settings
1 Parameters Parameters passed to the IMS region controller
2 Data sets 1 DFSVSAMP, RESLIB and IMS macros data set names
3 Data sets 2 RECON and ACBLIB data set names
4 Options Autosave, checkpoint frequencies and PROCOPTs

BMP mode settings
5 Parameters Parameters passed to the IMS region controller
6 Options Autosave, checkpoint frequencies and PROCOPTs

DLI and BMP mode settings
7 Data sets 1 PSB and DBD data set names
8 Data sets 2 Template data set names

IMS Subsystem Name IMSB

F1=Help      F2=Split      F3=Exit      F4=CRetriev  F7=Backward  F8=Forward
F9=Swap      F10=Actions   F12=Cancel

Enter
```

Option "8", template data set names, is selected from the "subsystem settings" menu.

Enter additional template data sets (panel 1 of 2)



Process	Options	Help
FM/IMS		Template Data Sets
Command ==>		
Subsystem IMSB		
Template:		
Data set name #1	'FMN.TEMPLATE'	
Data set name #2		
Data set name #3		
Data set name #4		
Data set name #5		
Data set name #6		
F1=Help	F2=Split	F3=Exit
F9=Swap	F10=Actions	F12=Cancel
F4=CRetriev	F7=Backward	F8=Forward

Enter the names of the libraries that contain templates. A default list of template data sets will be set up by the system programmer

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On the "template data sets" panel, you can specify a concatenation of libraries where File Manager IMS templates will be stored. Templates can optionally be used in File Manager IMS to map layouts, such as COBOL or PL/I copybooks, to various segments in a database. Templates can also be used to customize how data is displayed in edit and browse.

Additional template data set has been added (panel 2 of 2)

Process	Options	Help				
FM/IMS	Template Data Sets					
Command ==>	█					
Subsystem IMSB						
Template:						
Data set name #1	ADLAB.TEMPLATE	<div data-bbox="808 436 1279 571">The ADLAB library that is used in the lab exercises has been added</div>				
Data set name #2	'FMN.TEMPLATE'					
Data set name #3						
Data set name #4						
Data set name #5						
Data set name #6						
F1=Help	F2=Split	F3=Exit	F4=CRetriev	F7=Backward	F8=Fo	<div data-bbox="1209 814 1312 898">F3</div>
F9=Swap	F10=Actions	F12=Cancel				

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If you already have template libraries, you can enter them now, or if you create a template library at some time in the future, you can add it later when you need it. In this example, a template library that is used in the workshop lab exercises is added to the list. F3 is pressed to return to the options menu.

Returned to the settings menu



```
Process  Options  Help
-----
FM/IMS                                     Settings Menu
Command ===>

1 Print      Print settings
2 System    System settings
3 Batch     Job card specifications
4 Compiler  Language and compiler specifications
5 EDIT      Editor options
6 Subsystem IMS subsystem settings
7 Temporary Temporary Data Set Allocations
8 Output    Output Data Set Allocations
9 Trace     Trace options

Exit from File Manager to save
changes you made to your options

F1=Help    F2=Split    F3=Exit    F4=CRetriev  F7=Backward  F8=Forward
F9=Swap    F10=Actions F12=Cancel
```

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At this point, you have seen the most important settings. Remember that you can change them at any time according to your preferences.

If you make any changes, it is a good idea to exit all the way out of File Manager. The settings are saved to your profile permanently when you exit File Manager.

That is the end of this section, reviewing and updating your File Manager IMS options settings.

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