

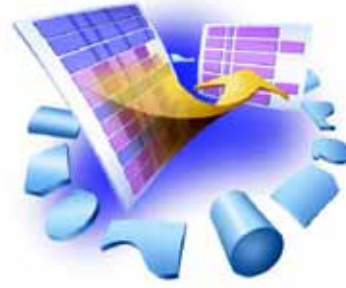


IBM Software Group

IBM File Manager for z/OS IMS Feature

Program Number 5655-S14

Tutorial



ON DEMAND BUSINESS

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02

Welcome to the tutorial for the IMS feature of IBM's File Manager for z/OS, one of the IBM zSeries problem determination tools.

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IMS	
IMS/ESA	
Language Environment	
MVS	
MVS/ESA	

Welcome to the tutorial for the IMS feature of IBM's File Manager for z/OS, one of the IBM zSeries problem determination tools.

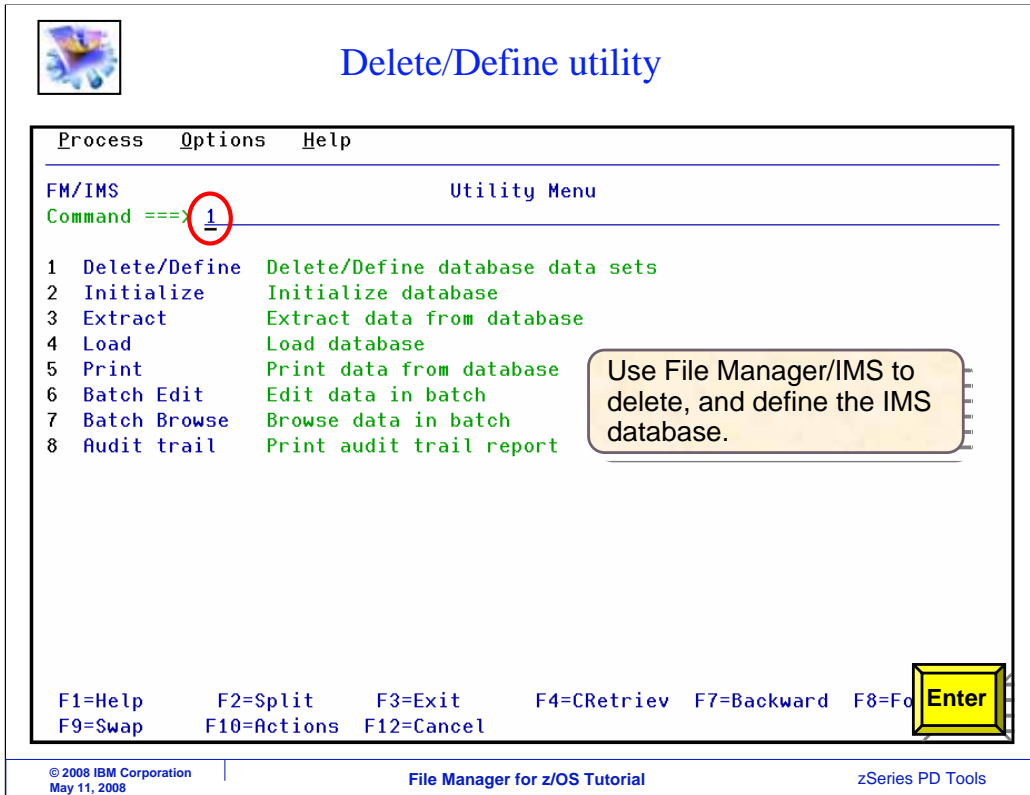


File Manager IMS training: sections

- Using the extract utility
 - Extract using a key values file
 - Working with criteria sets
 - Extract using a criteria set
- Using the load utility
 - Delete/define utility
 - Load utility

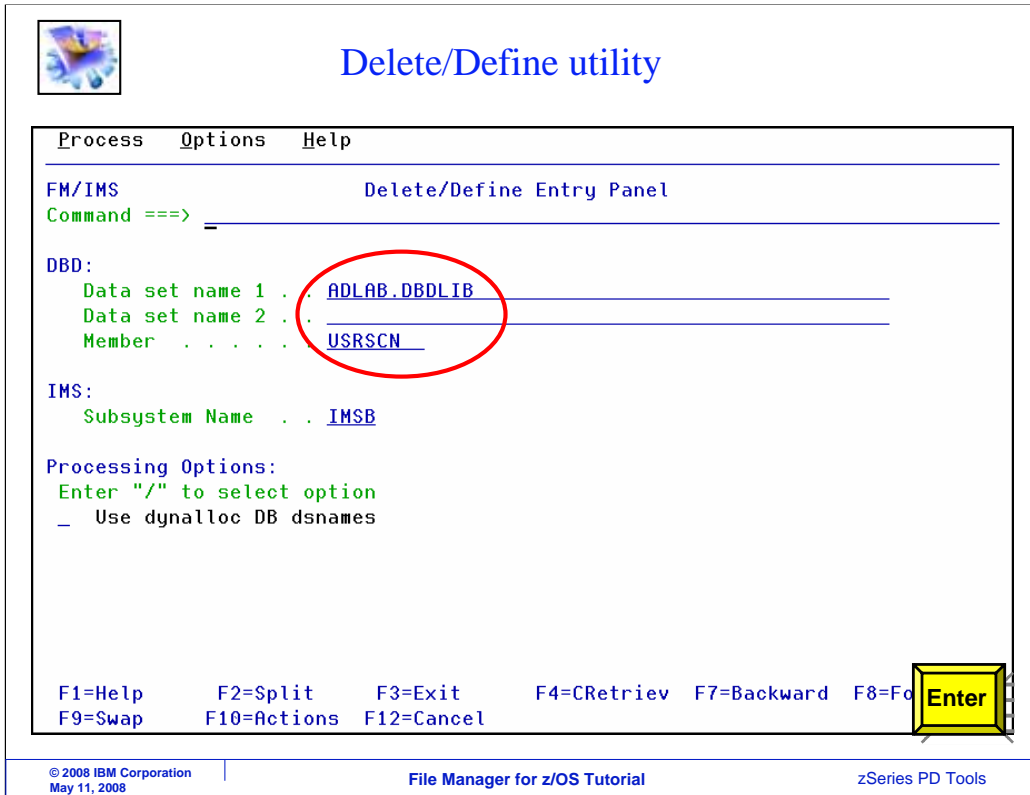


In this section, you will learn how to use the Load utility to load segments into an IMS database from a file created by the extract utility. And first, the delete and define utility will be described.

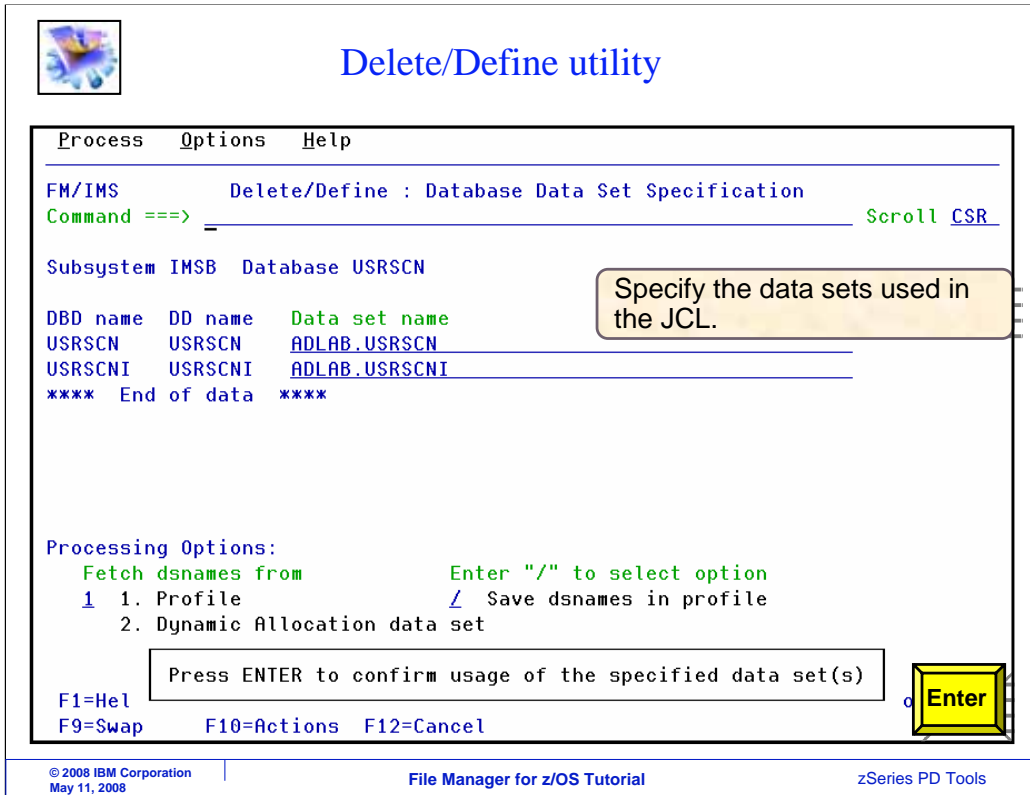


The screenshot shows the 'Delete/Define utility' interface. At the top, there is a title bar with 'Process Options Help'. Below it, the main window is titled 'FM/IMS Utility Menu'. The 'Command ==>' field has the number '1' entered and circled in red. The menu lists eight options: 1 Delete/Define, 2 Initialize, 3 Extract, 4 Load, 5 Print, 6 Batch Edit, 7 Batch Browse, and 8 Audit trail. A yellow callout box on the right contains the text: 'Use File Manager/IMS to delete, and define the IMS database.' At the bottom of the window, there are function key assignments: F1=Help, F2=Split, F3=Exit, F4=CRetriev, F7=Backward, F8=Fo, F9=Swap, F10=Actions, and F12=Cancel. A yellow 'Enter' button is highlighted in the bottom right corner.

Sometimes, you might have a requirement to clear all of the data from a database before using the Load utility. On the utility menu, notice the delete and define utility as well as the Initialize utility. After you run delete and define, you can run initialize to prepare the database files before running the load utility. For delete and define, option one is selected. Enter.



Specify the DBD that describes the data base in the DBD data set name and member fields. Enter.



The screenshot shows the 'Delete/Define utility' interface. At the top, there is a title bar with 'Process Options Help'. Below it, the main window displays 'FM/IMS Delete/Define : Database Data Set Specification'. A 'Command ==>' field is followed by a blank line and a 'Scroll CSR' link. The 'Subsystem' is 'IMSB' and the 'Database' is 'USRSCN'. A table lists 'DBD name', 'DD name', and 'Data set name' with entries for 'USRSCN' and 'USRSCNI'. A callout box points to the 'Data set name' column with the text 'Specify the data sets used in the JCL.'. Below the table, 'Processing Options' are listed, including 'Fetch dsnames from' and 'Enter "/" to select option'. A list shows '1. Profile' and '2. Dynamic Allocation data set'. A callout box points to the list with the text 'Press ENTER to confirm usage of the specified data set(s)'. At the bottom, there are function key definitions: 'F1=Hel', 'F9=Swap', 'F10=Actions', and 'F12=Cancel'. A yellow 'Enter' button is highlighted on the right side.

On this panel, provide database data set names and press Enter.



Delete/Define utility

```
File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT          DNET424.SPFTEMP1.CNTL          Columns 00001 00072
Command ==> sub          Scroll ==> CSR
***** ***** Top of Data *****
000001 //DNET424F JOB (JIM), 'IMS UTILITY',
000002 //          REGION=0K, NOTIFY=DNET424,
000003 //          MSGCLASS=A,
000004 //          CLASS=A          Submit the job.
000005 //*
000006 //* -----
000007 //*
000008 //*          Delete/Define Database Data Sets
000009 //* -----
000010 //*
000011 //*
000012 //IDCAMS  EXEC PGM=IDCAMS
000013 //SYSPRINT DD  SYSOUT=*
000014 //SYSIN    DD  *
000015 DELETE 'DNET424.ADLAB.USRSCN'
000016 DELETE 'DNET424.ADLAB.USRSCNI'
000017 DEFINE CLUSTER( NAME('DNET424.ADLAB.USRSCN') -
F1=Help      F2=Split    F3=Exit      F4=IPT View  F5=Rfind    F6=Rc
F7=Up        F8=Down     F9=Swap     F10=Left   F11=Right  F12=Re
Enter
```

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JCL is automatically generated to perform the delete and defines. Use the SUBMIT command to submit the JCL to run in batch. Verify that the job has completed before running the initialize and load utilities.



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 - Load utility



Next, the you will see how to use the load utility.



Load utility

```
Process  Options  Help
-----
FM/IMS                                     Utility Menu
Command ==> 4
-----
1 Delete/Define  Delete/Define database data sets
2 Initialize     Initialize database
3 Extract        Extract data from database
4 Load          Load database
5 Print          Print data from database
6 Batch Edit     Edit data in batch
7 Batch Browse   Browse data in batch
8 Audit trail    Print audit trail report

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

Enter
```

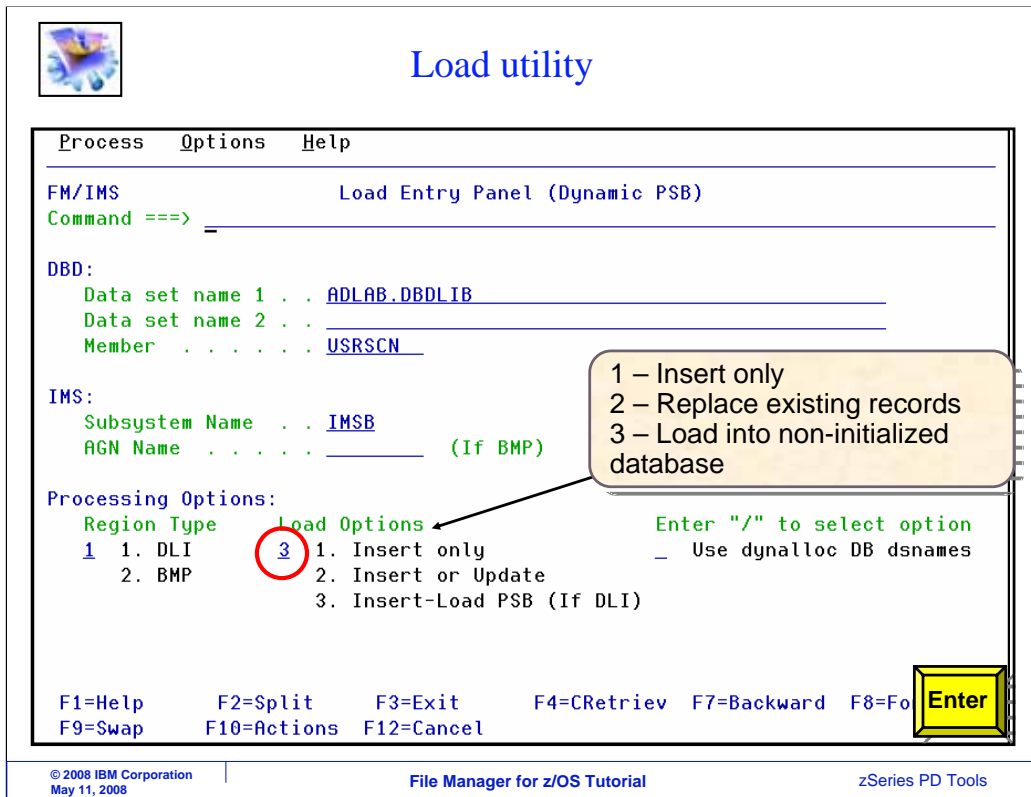
The IMS database was deleted and defined.
Use option 4 under File Manager IMS utilities to navigate to the load utility.

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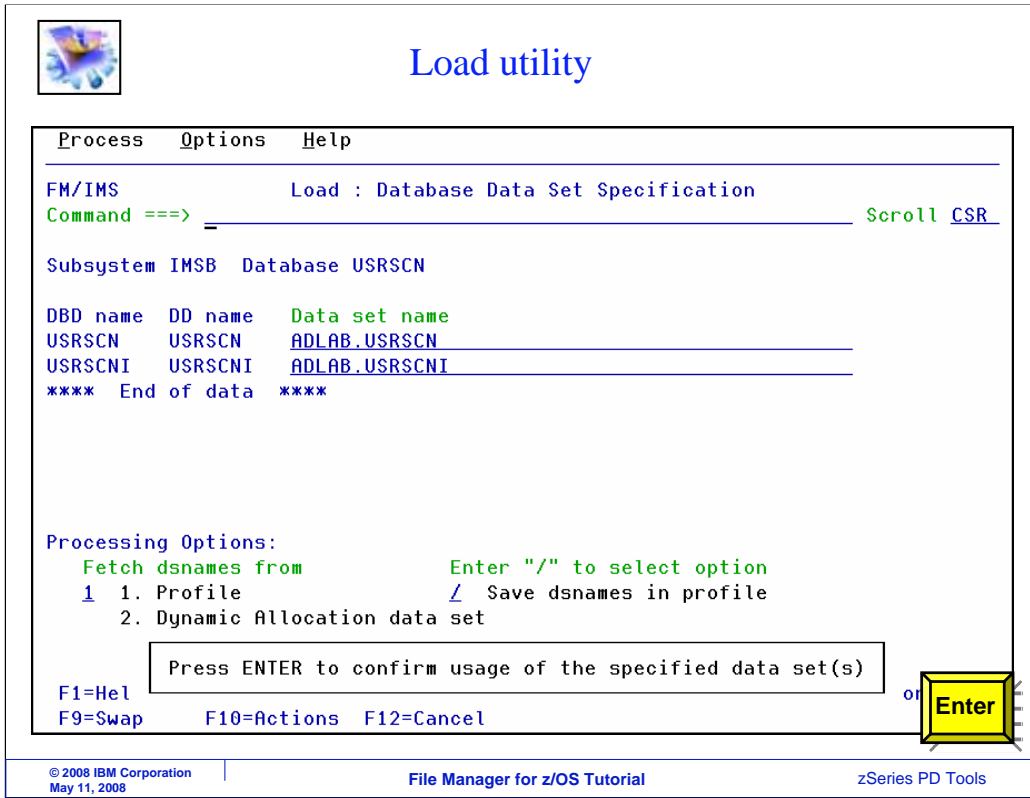
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The load utility is option four from the utility menu.



On the load entry panel, specify the DBD in the DBD data set name and member fields. Also choose whether to run the utility in DLI or BMP mode. Notice the load options. It is important to set this correctly, based on your requirements. Option 1 (insert only) means that if there are segments with duplicate keys already in the database, they will not be replaced. Option 2 (insert or replace) is the opposite, and means that segments with duplicate keys will be replaced. Option 3 (insert load PSB) can only be used if the output database is empty and you are running in DLI mode. But this option improves performance. In this example, option 3 is specified. Enter.



The screenshot shows a terminal window titled "Load utility". At the top left is a small icon of a globe. The main content area has a menu bar with "Process", "Options", and "Help". Below the menu bar, it displays "FM/IMS" and "Load : Database Data Set Specification". A "Command ==>" prompt is followed by a blank line, and "Scroll CSR" is visible to the right. The "Subsystem" is listed as "IMSB Database USRSCN". A table lists database data sets:

DBD name	DD name	Data set name
USRSCN	USRSCN	ADLAB.USRSCN
USRSCNI	USRSCNI	ADLAB.USRSCNI

The table is followed by "**** End of data ****". Below this, "Processing Options:" are listed:

- Fetch dsnames from: Enter "/" to select option
- 1. Profile / Save dsnames in profile
- 2. Dynamic Allocation data set

A text box contains the instruction: "Press ENTER to confirm usage of the specified data set(s)". At the bottom left, function key assignments are shown: "F1=Hel", "F9=Swap", "F10=Actions", and "F12=Cancel". A yellow "Enter" button is highlighted on the right side of the panel.

At the bottom of the terminal window, there is a footer with three items: "© 2008 IBM Corporation May 11, 2008", "File Manager for z/OS Tutorial", and "zSeries PD Tools".

In DLI mode, this panel is displayed. Provide the database data set names and press Enter.

Load utility

```

File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT      SYS06333.T060759.RA000.TSS14.R0100070      Columns 00001 00072
Command ==> sub                                     Scroll ==> CSR
***** ***** Top of Data *****
000001 //TSS14D1 JOB REGION=4M,TIME=(1),MSGCLASS=Z,NOTIFY=&SYSUID,
000002 //          MSGLEVEL=(1,1),CLASS=A
000003 /**
000004 /** -----
000005 /**
000006 /**          Delete/Define
000007 /** -----
000008 /**
000009 /**
000010 //PSDELETE EXEC PGM=IEF
000011 //DJ1E DD DSN=TSS14.ADL
000012 //          DISP=(OLD
000013 //DJ3E DD DSN=TSS14.ADL
000014 //          DISP=(OLD
000015 /**
000016 //PSALLOC EXEC PGM=IEFBR14
000017 //DJ1E DD DSN=TSS14.ADLAB.DBNEW.DJ1E,
F1=Help   F2=Split   F3=Exit   F5=Rfind   F6=Rchange  F7=Up
F8=Down   F9=Swap    F10=Left  F11=Right  F12=Cancel
Enter

```

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JCL is created to run the load utility. Validate the job card. Use the SUBMIT command to submit the job to batch.



Load utility

Database Load Statistics Report

DBD Name	Level	Segment	-----Segments-----		
			Read	Loaded	Rejected
USRSCN	1	CUSTADDR	9	9	0
	2	TOTUSE	9	9	0
	3	PRMUSE	74	74	0
	3	OFFUSE	33	33	0
	4	OFFDTL	41	41	0
	2	BALDUE	6	6	0
	3	BALHIST	11	11	0
subtotal	USRSCN		183	183	0
Grand total			183	183	0

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After the load utility runs, you can read the report to see statistics about the numbers of each type of segment that was loaded.

That is the end of this section, using the File Manager IMS load utility.



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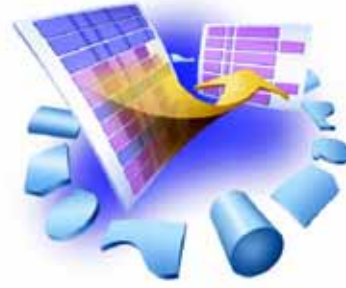


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