



IBM File Manager for z/OS DB2 Feature

Program number 5655-V52

Tutorial

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This is the tutorial for the DB2[®] feature of IBM's File Manager for z/OS[®], one of the IBM zSeries[®] problem determination tools.



■ Introduction

■ View or edit commands

- Starting the editor or viewer
- Find, change, and locate data
- Insert, repeat, and delete rows
- The display formats and zoom

■ Database navigation

- Save and get
- Print rows
- Handling errors when saving
- REDIT to related tables

■ File Manager DB2 options

- Review option settings

Take these tutorials to learn how File Manager DB2 will help you work with DB2 data on z/OS systems.

Take a look at how the course is structured. It is broken down into sections. If you have not already used File Manager DB2, you should take each section in order. But if you have already been using it and want to learn more about a particular topic, you can go directly to that section.

This is the introduction, and it will describe the most frequently used functions in File Manager, and how you can get to the manuals from the IBM website.

The next section, “View or edit commands”, you will learn how to start the editor or viewer, and some of the most commonly used commands. You will also learn about the different display formats and using the zoom command.

The “Database navigation” section will demonstrate how to save and get data (similar to the ISPF cut and paste function). It will show printing rows from a database to a print dataset. It will also cover how to handle errors incurred while saving data in an edit session, and using the 'redit' option to access related tables.

The next section, “File Manager DB2 options” describes the options that you can customize.

- **Using templates**
 - Change display order and select rows by column name
 - Select rows in SQL format
 - Customize data display

- **Advanced template usage**
 - Save a template
 - Always edit and re-edit the template

- **SQL usage**
 - SQL execution and prototyping

View the “Using Templates” section to understand how to use templates. This section will demonstrate how to use templates to select specific rows, how to use SQL format to select specific rows, and how to customize the data display.

In the next section “Advanced template usage” you will learn how to save a template after you have created it. It will discuss always edit and re-edit the template, which can be used to quickly change search parameters, and display the search results.

Take the “SQL usage” section to learn how you can use File Manager to run your own SQL statements to invoke the browser or editor, and how to use the built-in prototyping utility that will assist you in writing new SQL statements.

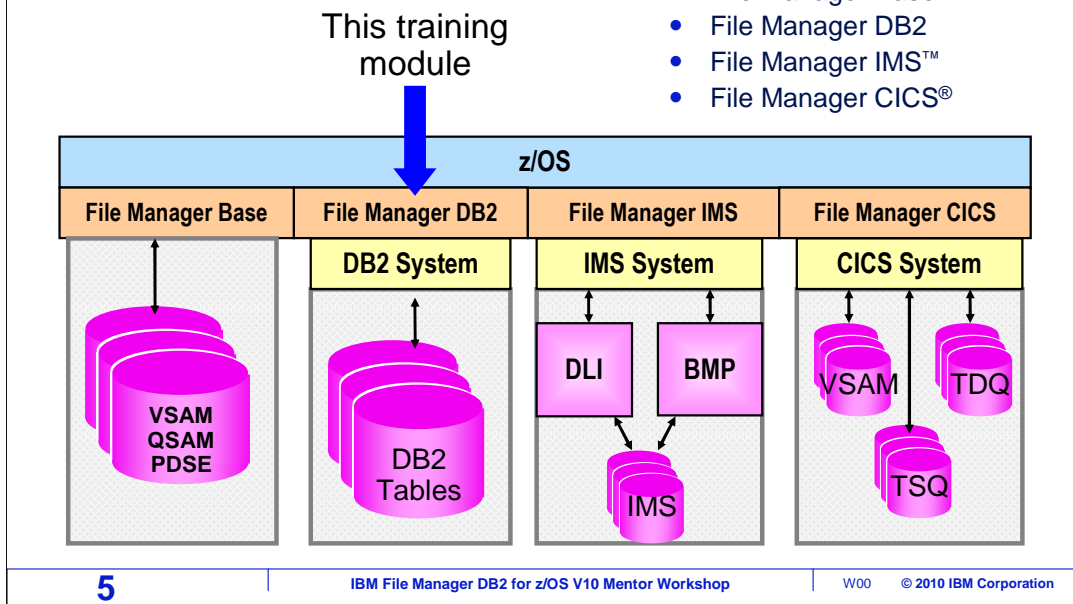
- **File Manager DB2 utilities**
 - Print
 - Object list
 - Copy
 - Export and import

In the “File Manager DB2 utilities” section, you will learn how to print, use the object list utility panels, the copy function, and how to use the export and import functions.

What is File Manager?



- One product, four features
 - File Manager Base
 - File Manager DB2
 - File Manager IMS™
 - File Manager CICS®



File Manager has four features, each of which can be configured separately. It is just one product, and all four parts come with it. This tutorial describes File Manager DB2, which helps you work with DB2 tables and databases.

File Manager base gives you functions for working with z/OS data sets, such as VSAM and sequential files, PDSEs, and tapes. Another feature called File Manager IMS gives you functions to work with data in IMS databases. And File Manager CICS lets you work with files and queues in CICS.

What functions does File Manager DB2 have?



- A set of tools for working with data in DB2 databases
 - **Easy to learn!**
 - Use familiar ISPF editor / browser commands
- Edit, view, and browse data in tables
 - Edit or view a DB2 Table or View
 - select rows and columns displayed
- Print data from tables
 - multiple report formats to choose from
 - select rows and columns printed
- Copy data
 - select rows to copy
 - “map” columns from an input table to an output table
 - reformat and generate data while copying

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Here are the functions that are used the most in File Manager DB2. Edit and view lets you interactively view and modify data in tables. Many of the commands are similar to the commands in the ISPF editor, which is used on most z/OS systems. If you know the ISPF editor, you will find the File Manager editor to be familiar. Even if you have not used the ISPF editor, File Manager DB2 edit and view are easy to learn and use.

The print utility lets you print data from tables. You can choose from different report formats, and you can select rows and columns to be printed. The File Manager DB2 create and drop utilities are easy-to-use, panel-driven utilities that walk you through creating and dropping DB2 objects, such as tables and indexes. You can quickly create a new table by modeling an existing one, or you can start from scratch.

The copy utility is used to copy data from one table to another. In addition to simple copies, this powerful utility provides features that lets you extract selected rows, copy between tables with different column definitions, and even make changes to data during a copy. The print and copy utilities can be used interactively, or run as batch jobs.

What functions does File Manager DB2 have?



- Create and test new SQL statements
 - Two methods: basic and advanced
- Create and drop objects
- Work with a list of DB2 objects
 - Use line commands to start edit or view, or run utilities
- Export and import data
 - Export to a file
 - Import from a file
- Generate JCL for DB2 utilities:
 - COPY, LOAD, REBUILD, RECOVER, REORG, and RUNSTATS
- Grant and revoke privileges

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There are two utilities you can use to create new SQL statements. Basic prototyping is a fast and easy way to build a SQL statement from scratch. You work with a list of columns in your tables, and it builds a SQL statement for you. Once you have the SQL, you can test and save it.

Advanced prototyping steps you through the construction of complex SQL statements. It is a helpful way to develop SQL statements with constructs and syntax that you may not be familiar with.

The Object List utility lets you retrieve a list of objects based on their names. Then you can work with the objects in the list. Use line commands to start the editor or viewer, run utilities, and get information about the DB2 objects in the list.

You can use File Manager to grant and revoke access privileges to tables and databases. Use the export utility to copy data from DB2 tables to a file. The import utility moves data in the opposite direction, and is used to load a table from a file. Export can be used to easily copy data to a portable file that you can import into another table. The other table can be in a different DB2 subsystem, or even on a different z/OS system. You can also export to a file in the DB2 unload format, or in a format that you define yourself. Or you can export to a delimited file, which is sometimes done so your DB2 data can be downloaded.

Access the File Manager manuals from the IBM website



<http://www.ibm.com/software/awdtools/filemanager/>

United States [change]

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Software > Software Development >

File Manager for z/OS

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Overview

IBM® File Manager for z/OS® is a toolset for working with z/OS®, DB2®, IMS™, and CICS® data.

Display, edit, update, create, copy, compare, print and erase your data files with this member of the IBM Problem Determination Tools suite.

- Includes the familiar browse, edit, copy and print utilities found in ISPF—enhanced to meet the needs of your application developers
- Manipulates data using COBOL and PL/I record layouts interactively or in batch
- Runs functions from your CICS environment
- Provides access to CICS resources with a familiar, user-friendly ISPF look-alike interface
- Provides customization of which fields to display, copy or print
- Integration with [Rational Developer for System z](#) enables developers to access files and databases without changing user interface
- [New features in V10.1 can be found here](#)

Learn more

- Features & benefits
- System requirements
- Product library
- Announcement letter
- Data sheet
- Technical architecture

Use and maintain

- Product support
- Information center
- Training and certification

We're here to help

Easy ways to get the answers you need.

- Request a quote
- E-mail IBM

Or call us at:
877-426-3774
Priority code:
104CBW63

Highlights

- Brochure: IBM Problem Determination Tools Reference Guide (295KB)
- Webcast: PD Tools for SOA Environments
- Get Adobe® Reader®

Analyst report

You can get more information about File Manager, and all of the IBM PD tools, on the web. Direct your browser to this URL: www.ibm.com/software/awdtools/deployment.

To get to the File Manager page, select File Manager from the “Select a product” pull-down.

Access the File Manager manuals from the IBM website



<http://www.ibm.com/software/awdtools/filemanager/>

The screenshot shows the IBM File Manager website. A right-click context menu is open over the link "User's Guide and Reference for DB2 Data". The menu options include: Open, Open in New Window, Save Target As..., Print Target, Cut, Copy, Copy Shortcut, Paste, Add to Favorites..., Convert link target to Adobe PDF, Convert link target to existing PDF, and Properties. A callout box points to the menu with the text "Right-click to download User's Guide and Reference for DB2 Data".

File Manager for z/OS

- Version 9 Release 1
- Version 8 Release 1
- Version 7 Release 1
- Version 6 Release 1
- Redbooks

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File Manager Version 10 Release 1 Publications - English						
Title	View	Download PDF	Order number	View Book	Download Book	Last update
Program Directory (PDF, 150 KB)			GI10-8817-00	-	-	11/2009
Customization Guide (PDF, 1.7 MB)			SC19-2856-00	View	Download (BOO, 0.7 MB)	11/2009
User's Guide and Reference (PDF, 4.6 MB)			SC19-2857-00	View	Download (BOO, 1.9 MB)	11/2009

You can view or download manuals from the website. From the File Manager page, there is a link to the File Manager library. Just click the word library on the left side of the screen to get there. From the library page, you can view a manual by clicking a link either in the PDF or Book Manager column, or you can download a manual by right clicking the link in the PDF column.

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- Chapter 7. Copying data
- Chapter 8. Working with lists of DB2 objects
- Chapter 9. Printing
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File Manager for z/OS



User's Guide and Reference for DB2 Data

Version 10 Release 1

File Manager manuals:

- User's Guide and Reference (base feature)
- User's Guide and Reference for DB2 Data
- User's Guide and Reference for IMS Data
- User's Guide and Reference for CICS
- Program Directory
- Customization Guide

There are several File Manager manuals. There are separate User's Guides for the base feature, and for the DB2, IMS, and CICS features. If you are responsible for installing File Manager, then you will also want the Customization Guide.

File Manager DB2 primary option menu



```
Process  Options  Utilities  Help
-----
FM/DB2          Primary Option Menu
Command ==>

0 Settings      Set processing options      User ID . . : TSS13
1 View          View DB2 object             System ID . : STLABF6
2 Edit          Edit DB2 object             Appl ID . . : FMN2
3 Utilities     Perform utility functions   Version . . : 10.1.0
4 SQL           Prototype, execute and analyze SQL Terminal . : 3278A
5 DB2I         Start DB2 Interactive       Screen . . : 1
6 Command      Enter and execute a DB2 Command Date . . . : 2010/03/24
X Exit         Terminate FM/DB2           Time . . . : 01:02

Select a DB2 subsystem. Type
in the SSID, or blank out to see
a list of available subsystems.

DB2 SSID . . .           
SQL ID . . . TSS13

F1=Help      F2=Split      F3=Exit      F4=Expand      F7=Backward  F8=Forward
F9=Swap      F10=Left     F11=Right   F12=Cancel

Enter
```

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This is the File Manager DB2 primary option panel. To get here, the person who installed File Manager on your system will have set up a menu option. If you are not sure how to get to File Manager DB2 on your system, you might want to contact your systems programmer or help desk for this information.

When you use File Manager for the first time, the first thing you need to do is select a DB2 subsystem. On the main menu, you can type in the subsystem ID that you want to access in the DB2 SSID field. Or you can blank out the subsystem ID field, as shown here, and press Enter.

Select the DB2 subsystem from the list



```
Process Help
-----
FM/DB2          DB2 Subsystem Selection          Row 1 of 16
Command ==> _____          Scroll PAGE

Sel SSID Status  Description          Prefix
-----
  DB1E ACTIVE    ** not defined in installation module  -DB1E
-  DB1F ACTIVE    DB2 VERSION 9 LPAR F6                  -DB1F
  D72F ACTIVE    ** not defined in installation module  -D72F
-  D81H ACTIVE    DB2 VERSION 8 LPAR F6                  -D81H
  D82G ACTIVE    ** not defined in installation module  -D82G
  S D91F ACTIVE    DB2 VERSION 9 LPAR F6                  -D91F
  DB0E GROUP     ** not defined in installation module
  DB0F GROUP     ** not defined in installation module
  D70F GROUP     ** not defined in installation module
  D80G GROUP     ** not defined in installation module
  D80H GROUP     ** not defined in installation module
  D90F GROUP     ** not defined in installation module
  D80G INACTIVE  ** not defined in installation module
  D70F INACTIVE  ** not defined in installation module
  D71F INACTIVE  ** not defined in installation module  -D71F
F1=Help   F2=Split   F3=Exit   F5=Refresh  F6=Show   F7=Up
F8=Down   F9=Swap    F12=Cancel

Enter
```

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That displays a list of subsystems, and you can select from the list with an S line command. Of course, select a subsystem that's active.

Primary option menu is redisplayed with SSID value Select option 1 View



Process	Options	Utilities	Help
FM/DB2 (D91F)	Primary Option Menu		
Command ==>	<u>1</u>		
0	Settings	Set processing options	
1	View	View DB2 object	
2	Edit	Edit DB2 object	
3	Utilities	Perform utility functions	
4	SQL	Prototype, execute and analyze SQL	
5	DB2I	Start DB2 Interactive	
6	Command	Enter and execute a DB2 Command	
X	Exit	Terminate FM/DB2	

Primary Commands

1 View

2 Edit

B Browse

Tip: You can change the SSID by:

- _Returning to this menu, or
- _Typing **SSID xxxx** on the command line

User ID . . : TSS13
 System ID : STLABF6
 Appl ID . . : FMN2
 Version . . : 10.1.0
 Terminal . . : 3278A
 Screen . . : 1
 Date . . . : 2010/03/24
 Time . . . : 01:04

DB2 SSID : D91F
 SQL ID . . : TSS13 +

F1=Help F2=Split F3=Exit F4=Expand F7=Backward F8=Forward Enter

F9=Swap F10=Left F11=Right F12=Cancel

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At any time, you can return to the main menu to switch to a different subsystem. Or you can switch to a different subsystem with an SSID command from most panels. On the command line, type in SSID space ABCD, where ABCD is the subsystem name.

That is the end of this section, an introduction to File Manager DB2.

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