



FREWARE

COMPDBF Command

Function: The COMPDBF command is used to compare the file descriptions of corresponding files in different libraries in order to find out differences like

- different record length
- different fields
- different field sequence
- different key fields

The differences are optionally displayed, printed or written to an outfile.

This command is e.g. useful to find out the file changes in libraries with different software release levels.

This tool uses the Database Cross-Reference-System-Catalogs QADBREF and QADBIFLD, which are located in library QSYS.

Command Prompt:

```
Compare DB-File Descriptions (COMPDBF)

Type choices, press Enter.

Filenames . . . . . FILE          *ALL_____
                                   + for more values
Libraries . . . . . LIB           *ALLUSR____
                                   + for more values
Output . . . . . OUTPUT          *_____
File to receive output . . . . . OUTFILE
  Library . . . . .              *LIBL_____
Output member options::          OUTMBR
  Member to receive output . . . *FIRST_____
  Replace or add records . . . . *REPLACE_____
                                   More...

F3=Exit   F4=Prompt   F5=Refresh   F12=Cancel   F13=How to use this display
F24=More keys
```


Help Panel Text:

(Displayed by using function key F1)

Compare DB-File Descriptions - Help

The COMPDBF command is used to compare the file descriptions of one, certain or all corresponding database files in certain or all libraries. The differences are optionally displayed, printed or written to an outfile.

Differences are e.g. different record length, different field names, different field sequence, different key fields.

This tool uses the Database Cross-Reference-System-Catalogs QADBREF and QADBFLD, which are located in library QSYS.

FILE (Filenames)

Specifies the name of the file whose description are to be analysed and compared.

***ALL**

All files are to be analysed and compared.

filename

Specify the name of a file which is to be analysed and compared. You may specify up to 20 different file names, which may not be mixed with generic file names.

generic* filename

Type a partial filename qualified by an asterisk (*) to select a specific subset of files.

LIB (Libraries)

Specifies names of the libraries which are to be accounted for the analysis.

This is a required parameter.

***ALLUSR**

All user libraries are accounted for the analysis.

***USRLIBL**

All libraries of the current job's library list are accounted for the analysis.

Name

Library name(s). You may specify up to 20 library names, which may not be mixed with generic library names.

generic* library name

Type a partial library name qualified by an asterisk (*) to select a specific subset of libraries.

OUTPUT (Output)

Specifies where the output from the command is sent.

The possible values are:

The output is displayed on the terminal.

***PRINT**

The output is printed with the job's spooled output.

***OUTFILE**

The output is directed to the database file specified on the File to receive output prompt (OUTFILE parameter).

OUTFILE (File to receive output)

Specifies the name and library of the database file to which the output of the command is directed. If the file does not exist, this command creates a database file in the specified library.

File name COMPDBFP is a reserved name for this job and may not be specified as outfile name.

The possible library values are:

***LIBL**

All libraries in the job's library list are searched until the first match is found.

***CURLIB**

The current library for the job is used to locate the file. If no library is specified as the current library for the job, QGPL is used.

library-name

Specify the library where the file is located.

OUTMBR (Output member options)

Specifies the name of the database file member that receives the output of the command.

The possible name values are:

***FIRST**

The first member in the file receives the output. If it does not exist, the system creates a member with the name of the file specified in the File to receive output prompt (OUTFILE parameter).

member-name

Specify the name of the file member that receives the output. If it does not exist, the system creates it.

The possible values for how information is stored are:

***REPLACE**

The system clears the existing member and adds the new records.

***ADD**

The system adds the new records to the end of the existing records.

Prerequisites for installation:

COMPDBF requires a RISC-based IBM iSeries running under OS/400 version **V5R3M0** or higher.

Installation instructions:

1. Download the Zip file COMPDBF.ZIP. When unzipped, there should be 2 files on your PC:
 - This document (PDF file)
 - COMP.SAV. This save file contains the source file COMPDBF with all required source members for creating this command.

2. Create the save file COMP on your iSeries in a library of your choice

e.g. **CRTSAVF FILE(QGPL/COMP)**

3. Upload the save file from your PC to the iSeries by using FTP:

Open an MS-DOS window on your PC.

Type **ftp** to start a File Transfer Protocol session.

Type **lcd c:\temp** (or whatever local directory contains the COMP.SAV).

Type **open xxx.xxx.xxx.xxx** (where the **x**'s are the TCP/IP address of the iSeries).

Enter your user id and password.

Type **bin** to set the transfer mode to binary image.

Type **cd qgpl** (or any other library where you have created the save file COMP in step 2 above) to change to the iSeries library.

Type **put comp.sav** to upload the save file.

Type **quit** to exit the FTP session.

(You may also use any other FTP method for transferring the save file in COMP.SAV to your iSeries.)

4. Restore the source file COMPDBF on your iSeries:

**RSTOBJ OBJ(COMPDBF) SAVLIB(FREEWARE) DEV(*SAVF)
SAVF(save file lib/COMP) RSTLIB(source file lib)**

save file lib = The library, where the save file COMP is located.

source file lib= The library, where the source file should be restored to.

5. Create the install program:

**CRTBNDCLE PGM(obj lib/CRT_COMPDB)
SRCFILE(source file lib/COMPDBF)**

6. Execute the install program:

CALL PGM(obj lib/CRT_COMPDB) PARM('object lib' 'source file lib')

Parameters:

'obj lib' = Library, where the objects are to be created.
'source file lib' = Library, where the source file COMPDBF is located (restored in step 4 above).

These libraries may be identical.

The program has ended when the message "Command COMPDBF has been installed successfully" appears.

7. Good luck and have fun.

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