

DBU11 Enhancements

DBUDBR Command Enhancement

```
Data Base Relations
File: ABPATHRS Library: LCLIBPDC Member: ABPATHRS

Type options, press Enter.
1=Select 2=File Description 3=Triggers 4=Constraints 5=Journals
Opt File Library Text
- ABPATHRS LCLIBPDC Attorney Hours
  Format: ABRATHRS Key: Arrival Sequence
  Records: 51933 Last Used: 05/30/2018
- ABLATHRS LCLIBPDC ATTY# CLIENT CASE# WRKYY WRKMM WRKDD DYN
  Format: ABRATHRS Key: ATTY# CLIENT CASE# WRKYY WRKMM WRKDD
  Records: 51933 Last Used:
  S/O: *OMIT BCHSTS EQ 'E'
  *OMIT HRAUBY EQ 'D'
- ABLATHRX LCLIBPDC TEXT#
  Format: ABRATHRS Key: TEXT#
  Records: 51933 Last Used:
- ABLATHR1 LCLIBPDC ATTY# CLIENT CASE# WRKYY WRKMM WRKDD (S)
  Format: ABRATHRS Key: ATTY# CLIENT CASE# WRKYY WRKMM WRKDD
  Records: 21272 Last Used:

More...

F7=Print List F12=Cancel F17=Top F18=Bottom
```

When using the DBUDBR command or the F14 Function Key within DBU, the user has three more options available. Option 3=Triggers will show Trigger information for the file selected. Option 4=Constraints will show Constraint information for the file selected. Option 5=Journals will show Journal information for the file selected.

DBUAUT Command Enhancement

```
UPDATE DBU USER AUTHORITY - DEFAULTS System: PRODATA3
Profile *PUBLIC
Allow use of DBU WEB Y Y/N
Upper/Lower Case Default U U=Upper L=Lower (Keying into fields)
Order by Key Fields first N Y/N
Use Validity Checking Y Y/N (Validity checking from File DDS)
Allow User to change KEYS Y Y/N
Allow use of DDM file Y Y/N (Target machine must have active DBU)
Data Area Processing U D/U/N (D)isplay (U)pdate (N)ot Allowed
User Space Processing U D/U/N
Prompt for DBUAPP creation N Y/N
Protect Date/Time Editing Y Y=skip slashes,etc. N=key in slashes,etc.
Process Null Values Y Y=write null values N=write blanks
Make View/Index Permanent N Y=allow making permanent N=do not allow
Numeric ZERO Suppression Y Y=Suppress leading ZEROs N>Show ZEROs
Kind of Match in Search 1 1=Same case, 2=Ignore case
Date Format/Add CUR CUR=Current Date NUL=Null Date 01/01/0001
Convert JDE date N Y=convert to *USA format N=do not convert
Edit JDE numeric field length N Y=allow change N=do not allow change
JDE installation (WORLD or ONEWORLD) _____
Default JDE data dictionary library _____

More...

F1=Help F3=Exit F12=Return
```

Controls the use of DBU WEB per user by specifying a 'Y' or 'N' on the user Profile within the DBUAUT command.

Additional options within the F4=Fields within DBU

```

DBU Field Selection
File . . . . : ABBATHRS Text . . . . Attorney Hours
Library . . : LCLIBPDC Member . . . : ABBATHRS
Position to Record Format . . . . . ABBATHRS Name, F4 for list
Position to Field Name . . . . . Name, *FIRST, *LAST, Generic*
Position to Text Containing . . . . .
Single Record Text/Field Name . . . . . FLD TXT/FLD/BTH/ALS
Mult Record Text/Field/Column Heading . . HDG TXT/FLD/HDG/ALS
Select/Remove field Auto Dup . . . . . RMV SEL/RMV

  Display New  New  Auto Upper Allow  Field
Seq# Select Only Line Page Dup Case Null Text
-----
  10 - - - - - - - - Atty#
  20 - - - - - - - - Client#
  30 - - - - - - - - Case#
  40 - - - - - - - - Mm Wrkd
  50 - - - - - - - - Dd Wrkd
  60 - - - - - - - - Yy Wrkd
  70 - - - - - - - - Type Work
  80 - - - - - - - - Bill Yorn
  90 - - - - - - - - Hrs Wrkd
 100 - - - - - - - - Rate Ovrdr

Field Name Type Length Dec Loc
-----
ATTY# S 4 0 1
CLIENT P 7 0 5
CASE# P 5 0 9
WRKMM S 2 0 12
WRKDD S 2 0 14
WRKYY S 2 0 16
WRKTYP P 3 0 18
BLABLE A 1 0 20
HRS P 5 2 21
RATOVR P 5 2 24

More...

F14=Sort by Fields F15=Field Security F16=Reset Sequence F17=Upper/Lower Case
F18=Col Head/Alias F19=Sort Key Fields F24=More Keys

```

Press F15=Field Security to mark alpha fields with Right Adjust Blank Fill or Zero Fill

```

DBU Field Selection
File . . . . : ABBATHRS Text . . . . Attorney Hours
Library . . : LCLIBPDC Member . . . : ABBATHRS
Position to Record Format . . . . . ABBATHRS Name, F4 for list
Position to Field Name . . . . . Name, *FIRST, *LAST, Generic*
Position to Text Containing . . . . .
Single Record Text/Field Name . . . . . FLD TXT/FLD/BTH/ALS
Mult Record Text/Field/Column Heading . . HDG TXT/FLD/HDG/ALS
Select/Remove field Auto Dup . . . . . RMV SEL/RMV

  Field Allow Allow Allow ---- Right Adjust ----
Seq# Name Display Add Update Blank Fill Zero Fill
-----
 110 BILAT0 X X X X -
 120 BILAMT X X X X -
 130 BILMM X X X X -
 140 BILDD X X X X -
 150 BILYY X X X X -
 160 HRSSTS X X X X - X
 170 TEXT# X X X X -
 180 MKUHRS X X X X -
 190 MKURAT X X X X -
 200 MKUAMT X X X X -

More...

F3=Exit F12=Cancel

```

DBUSQL Command Enhancement

```
DBU SQL (DBUSQL)

Type choices, press Enter.

From File Name: . . . . . ABPATHRS      Name, generic*, *PRV
Library Name: . . . . . LCLIBPDC      Name, generic*, *LIBL...

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

The DBUSQL command now allows for field names to be entered into the SELECT statement or default to '*' for all fields. The F4=Fields can be used to select the fields.

```
DBU SQL (DBUSQL)

Type choices, press Enter.

From File Name: . . . . . ABPATHRS      Name, generic*, *PRV
Library Name: . . . . . LCLIBPDC      Name, generic*, *LIBL...
Select . . . . . ATTY#, CLIENT, CASE#, BLABLE, HRS
Where . . . . . ATTY# = 117 and Client > 1100

F3=Exit  F4=Fields  F9=Retrieve
```

The F4=Fields can be used to select fields for the WHERE statement. The F9=Retrieve can be used to select previous DBUSQL statements that can then be executed as is or changes can be made and then executed.

When the user presses Enter, an SQL View will be created in QTEMP and presented to the user.

```

File      Format      Mode      Window      Search      Extra      Help
DATA BASE UTILITY (DBU)  DATA SUBSET
File . . . : DBUSQL1      Member . . : DBUSQL1      Record Length . . : 15
Library . . : QTEMP      Format . . . : DBUSQL1      File Access . . . : Arrival
Control . . . :           Mode . . . : Display      Record Number . . : 16838
Text . . . : DBU SQL VIEW of LCLIBPDC/ABPATHRS

Record#  Atty#  Client#  Case#  Bill  Hrs Wrkd
        1      2      3      4      5
        Yorn
16838  117    1104    1      N      .50
16840  117    1104    8      N      .25
16839  117    1117    1      N      .25
186    117    1105    1      N      4.70
187    117    1105    1      N      8.50
188    117    1104    1      Y      1.00
189    117    1105    1      N      7.00
190    117    1105    1      N      7.50
191    117    1105    1      N      7.50
185    117    1101    1      Y      9.00
214    117    1105    1      N      7.50
215    117    1105    1      N      8.00
238    117    1101    1      Y      8.50
253    117    1105    1      N      8.00

F1=Help      F2=ON/OFF F=keys  F3=Exit      F4=List fields
F5=Refresh   F6=Set key F10=Action F24=More keys
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```

When the user pressed F3 to Exit, they will have an option to make this view a permanent object. If the “Make View/Index Permanent” parameter in the DBU authority file is set to “Y” for that user.

```

File      Format      Mode      Window      Search      Extra      Help
DATA BASE UTILITY (DBU)  DATA SUBSET
File . . . : DBUSQL1      Member . . : DBUSQL1      Record Length . . : 15
Library . . : QTEMP      Format . . . : DBUSQL1      File Access . . . : Arrival
Control . . . :           Mode . . . : Display      Record Number . . : 16838
Text . . . : DBU SQL VIEW of LCLIBPDC/ABPATHRS

Co
  Make View/Index Permanent
  File . . . : ABVIEW1
  Library . . : LCLIBPDC

  F1=Help  F3=Exit  F12=Cancel

191  117    1105    1      N      7.50
185  117    1101    1      Y      9.00
214  117    1105    1      N      7.50
215  117    1105    1      N      8.00
238  117    1101    1      Y      8.50
253  117    1105    1      N      8.00

F1=Help      F2=ON/OFF F=keys  F3=Exit      F4=List fields
F5=Refresh   F6=Set key F10=Action F24=More keys
  
```

DBUEXPFLD Command

```
DBU Export Field Information (DBUEXPFLD)

Type choices, press Enter.

File Name: . . . . . ABPATHRS      Name, generic*
Library Name: . . . . . LCLIBOBJ     Name, generic*, *LIBL...
Export DDS or SQL . . . . . DDS       DDS, SQL
Source file . . . . . ABSOURCE       Name, generic*, *PRV
Library . . . . . LCLIBSRC          Name, generic*, *LIBL...
Source member . . . . . *FILE        Character value

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

Export field information from any file, the user can select to export either DDS specifications or SQL Specifications and place it into a source member in the specified source file and library.

DBUAPPAUT Change Application Authority

```
Change Application Authority (DBUAPPAUT)

Type choices, press Enter.

Application Name . . . . . CRINVOICE  Name
Library . . . . . CRMLIB           Name, *LIBL, *CURLIB
Owner Profile . . . . . QPGMR       Name
Public Authority . . . . . *EXCLUDE  *ALL, *CHANGE, *USE, *EXCLUDE

User Name . . . . . CRADMIN        Name
User Authority . . . . . *ALL      *ALL, *CHANGE, *USE, *EXCLUDE
+ for more values _

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

Change the Owner and Public authority on a DBU Application, additional users can also be specified with specific authority.

DBUCHGOWN Change the Owner of the DBU objects in the DBU library.

```
Change DBU Objects Owner (DBUCHGOWN)

Type choices, press Enter.

Object . . . . . *ALL      Name, *ALL
Library Name: . . . . . DBU11  Name
New owner . . . . . QPGMR     Name
Current owner authority . . . . . *REVOKE *REVOKE, *SAME

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

This command will change the Owner of all of the objects within the DBU11 library and either *REVOKE the Current owner's authority or keep it the *SAME.

DBUDDM Access Remote File with DDM.

```
Access Remote File with DDM (DBUDDM)

Type choices, press Enter.

Remote file:
File . . . . . *PRV      Name, *PRV
Library . . . . . *LIBL   Name, *LIBL, *CURLIB
Remote location:
*IP address . . . . .
Default Format: . . . . . *DBUAUT *DBUAUT, *SGL, *MLT
Default Mode: . . . . . *DBUAUT *DBUAUT, *ADD, *CHG, *DSP
Print Audit Log: . . . . . *DBUAUT *DBUAUT, *RQD, *ON
Allow Change of File Name: . . . *YES *YES, *NO
Revoke Add Authority: . . . . *NO *YES, *NO
Revoke Change Authority: . . . . *NO *YES, *NO
Revoke Delete Authority: . . . . *NO *YES, *NO
Number of Columns: . . . . . 0 0, 1, 2, 3
PeopleSoft installation: . . . . *PRV *NONE, *DBUAUT, WORLD...

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

Allows access to files on a remote system through DDM. User must be authorized through DBUAUT and must have the same user profile on the remote system.

DBUMNU Access all DBU Commands.

```
DBU Menu

Select one of the following:

 1. Data Base Utility      (DBU)      14. Exit Programs      (DBUEXTPGM)
 2. Data Base Relations   (DBUDBR)   15. Change APP Authority (DBUAPPAUT)
 3. Field Information      (DBUFLD)   16. Change Object Owner (DBUCHGOWN)
 4. Member List           (DBUMBR)   17. CMD Security Setup  (DBUCMDSEC)
 5. Format List           (DBUFMT)   18. Export Field Info   (DBUEXPFLD)
 6. DBU Applications      (DBUAPP)   19. Remote File Access  (DBUDDM)
 7. Open Query            (DBUQRY)
 8. Display Journal       (DBUJRN)
 9. Update Data Area      (DBUDTA)
10. Update User Space     (DBUSPC)
11. Display Data Queue    (DBUQUE)
12. Remote Database       (DBURDB)
13. SQL                   (DBUSQL)

Selection or command
===> █

F3=Exit  F4=Prompt  F9=Retrieve  F12=Cancel
F13=Information Assistant  F16=System main menu
```

DBU in SEU Configuration.

IBM's SEU (Source Entry Utility) can be configured to allow direct access to several DBU functions as well as some other useful functions.

From within SEU press F13=Change session defaults and the Change Session Defaults screen will be displayed. Press the Page Down key to display the 2nd page. Key "DBU0136" in the "User exit program" prompt and key "DBU11" in the "Library" prompt as shown below and press ENTER.

```
Change Session Defaults

Type choices, press Enter.

Resequence member default . . . . . P          Y=Yes, N=No
                                         P=Previous

Default to uppercase input
for this source type . . . . . N          Y=Yes, N=No

User exit program . . . . . DBU0136      *REGFAC, *NONE, Name
Library . . . . . DBU11                  Name

F3=Exit  F5=Refresh  F12=Cancel
F14=Find/Change options  F15=Browse/Copy options
```

Press F3=Exit to return to SEU.

Requirements

The DBU11 library must be in the jobs library list.

Using

On the SEU find a line with a File Name referenced and screen key an “@?” without the quotes over the LineNo area and position the cursor to the first letter of the File Name and press ENTER.

```
Columns . . . : 6 100                               Edit                               CRMNEWDEV/CMSRC
SEU==>                                               A_CM1004
FMT ** ... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...+... 8 ...+... 9 ...+... 0
***** Beginning of data *****
0001.00 /COPY CMSRC,HEADER                               070112
0002.00 *****                                         050729
0003.00 * Program: CM1004                               070104
0005.00 * Description: INVOICE ADD/UPDATE              070110
0013.00 *****                                         050729
0014.00 FCML004D  CF  E          WORKSTN  INFDS(SCRNDS)  070104
0015.00 F                               SFILE(INVSFL01;SC@RRN01)  070110
0016.00 F                               SFILE(INVSFL02;SC@RRN02)  070110
0017.00 F                               SFILE(WNDSFL04;SC@RRN04)  080514
0017.01 FCMLINVM01 IF  E          K DISK  RENAME(CMRINVM;INVM01)  170202
@? 17.01 FCMLINVM06 UF  A  E          K DISK  160708
0020.00 FCMLINVD01 UF  A  E          K DISK  070110
0021.00 FCMLINVD03 IF  E          K DISK  RENAME(CMRINVD;INVD03)  070509
0022.00 FCMLINVA01 UF  A  E          K DISK  070509
```


The ProData SEU Tools menu is displayed with a list of valid DBU in SEU Line Commands as follows.

```
----- ProData SEU Tools -----
Options: 1=Select or X=Select

Opt Product Command Description
- DBU @DBU Execute DBU for selected File
- DBU @DBUDBR DBU Database Relations for selected File
- DBU @DBUFLD DBU Fields for selected File
- DBU @DBUSQL Execute DBUSQL on selected File
- ProData @LC Convert line to lowercase
- ProData @LCC Convert line block to lowercase
- ProData @JC Convert line to uppercase
- ProData @JCC Convert line block to uppercase

F12=Previous
```

Key a 1=Select into the Opt field of the Command @DBU as shown below.

```
----- ProData SEU Tools -----
Options: 1=Select or X=Select

Opt Product Command Description
1 DBU @DBU Execute DBU for selected File
- DBU @DBUDBR DBU Database Relations for selected File
- DBU @DBUFLD DBU Fields for selected File
- DBU @DBUSQL Execute DBUSQL on selected File
- ProData @LC Convert line to lowercase
- ProData @LCC Convert line block to lowercase
- ProData @JC Convert line to uppercase
- ProData @JCC Convert line block to uppercase
```

Press ENTER and the DBU screen will be displayed for the File Name CMLINVM06 as shown below.

```

File      Format  Mode      Window   Search   Extra     Help
          DATA BASE UTILITY (DBU)
File . . . : CMLINVM06      Member . . : CMLINVM06      Record Length . : 263
Library . . : CRMNEWDEV    Format . . : CMRINVM      File Access . . : Keyed
Page# . . . : 1 of 1      Mode . . . : Display      Record Number . : 1
Control . . : _____   Text . . . : Invoice Master File - ID, type
  
```

Another example when @DBU is keyed on a Calculation specification line.

```

Columns . . . : 6 100      Edit      CRMNEWDEV/CMSRC
SEU==>      A_CM1004
FMT C CLON01Factor1+++++0pcode&ExtFactor2+++++Result+++++Len++D+HiLoEq....Comments+++++
0392.01 C   E_@Cust      Chain(n) DBLCST21      160708
0394.00 C           If      %Found(DBLCST21)  070111
0395.00 C           Eval      ScName = xName    070110
0396.00 C           EndIf      070110
0397.00      070110
0398.00 C           Clear      CmrMsc      070111
@DBU 01 C   @KeyMsc01  Chain      nLMsc01      160708
0400.00      070111
0401.00 C           EVAL      *IN35 = *ON      070110
0402.00 C           EVAL      *IN36 = *OFF     070110
0403.00 C           WRITE     INVCTL01    070110
0404.00 C           EVAL      *IN35 = *OFF     070110
0405.00      070110
0406.00 C           EVAL      SC@RRN01 = 0    070110
0407.00 C           EVAL      @MaxRrn = 0    070116
0408.00 C           Clear      A@DltCnt    070112
0409.00 C           Clear      A@Delete    070112
0410.00      070110
0411.00 C           Eval      @SCCUSP0 = @UGRUL  070111
0412.00 C           Eval      @SCINVDT = @UGRUL  070111

F3=Exit  F4=Prompt  F5=Refresh  F9=Retrieve  F10=Cursor  F11=Toggle
F16=Repeat find  F17=Repeat change  F24=More keys
  
```

Valid ProData SEU Tools Commands

Command	Description
@DBU	Execute DBU for selected file at cursor
@DBUDBR	Execute DBU Database Relations for selected file at cursor
@DBUFLD	Execute DBU Fields for selected file at cursor
@DBUSQL	Execute DBUSQL for selected file at cursor
@LC	Convert line to lowercase
@LCC	Convert line block to lowercase
@UC	Convert line to uppercase
@UCC	Convert line block to uppercase