

# DBU11 Enhancements

---



## Contents

DBUDBR Command Enhancement .....	3
DBUAUT Command Enhancement.....	3
Additional options within the F4=Fields within DBU.....	4
DBUSQL Command Enhancement.....	5
DBUEXPFLD Command .....	7
DBUAPPAUT Change Application Authority.....	7
DBUCHGOWN Change the Owner of the DBU objects in the DBU library. +.....	8
DBUDDM Access Remote File with DDM.....	8
DBUMNU Access all DBU Commands.....	9
DBU in SEU .....	9
Configuration .....	9
Requirements.....	10
Using .....	10
ProData SEU Tools.....	10
SEU Examples.....	12
Valid ProData SEU Tools Commands .....	12
Updates to DBUQUE command. ....	13

## DBUDBR Command Enhancement

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. F19=Exclude VIEWS/Include VIEWS

```

Data Base Relations
File: ABRATHRS   Library: DBUTEST   Member: ABRATHRS

Type options, press Enter.
1=Select  2=File Description  3=Triggers  4=Constraints  5=Journals
Opt: File      Library      Text
- ABRATHRS    DBUTEST    Attorney Hours
  Format: ABRATHRS
  Key: Arrival Sequence
  Records:      65760   Last Used: 11/05/2018
- ABLATHRA    DBUTEST    ABLATHRS
  Format: ABRATHRS
  Key: ATTY#
  Records:      65810   Last Used: 10/01/2018
- ABLATHRALX  DBUTEST    Field selection
  Format: ABRATHRX
  Key: #NONE
  Records:      65760   Last Used: 10/16/2015
- ABLATHRR    DBUTEST    ABLATHRS
  Format: ABRATHRS
  Key: ATY#
  Records:      65784   Last Used: 06/13/2017
- ABLATHRS    DBUTEST    ATTY# CLIENT CASE# URKYY URKMM URKDD  DVI
  Format: ABRATHRS
  Key: ATTY# CLIENT CASE# URKYY URKMM URKDD

More...

F1=Print List  F12=Cancel  F17=Top  F18=Bottom  F19=Exclude VIEWS

```

Figure 1-1

## DBUAUT Command Enhancement

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

```

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 ZER0s N=Show ZER0s
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

```

Figure 1-2

## Additional options within the F4=Fields within DBU

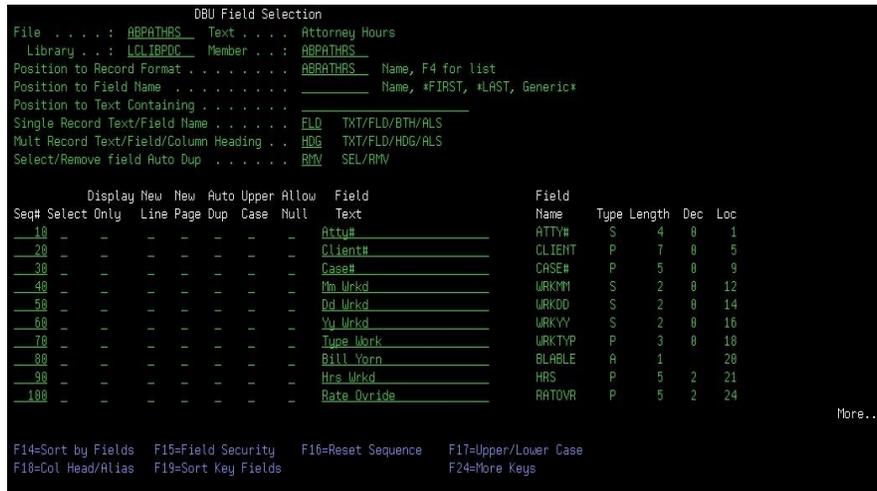


Figure 1-3

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

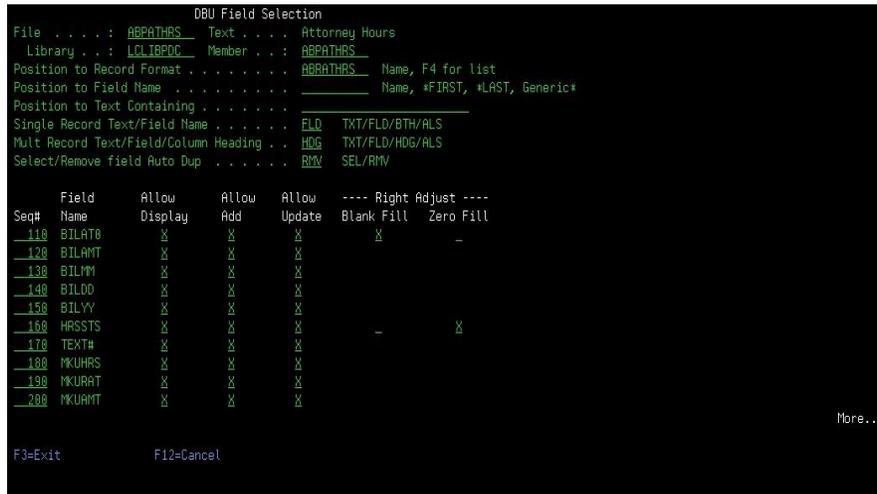


Figure 1-4

## 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
Bottom

```

Figure 1-5

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 . . . . . AITY#, CLIENT, CASE#, BLABLE, HRS
Where . . . . . AITY# = 117 and Client > 1100

F3=Exit  F4=Fields  F9=Retrieve

```

Figure 1-6

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
          :      :          :        :        :        :
Mode . . . : Display      Record Number . : 16838
Text . . . : DBU SQL VIEW of LCLTBPC/ABPATHRS

Control . . .
1 2 3 4 5
Record#  Atty#  Client#  Case#  Bill  Hrs  Wrkd
          :      :          :      :      :
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
More...

F1=Help      F2=ON/OFF F-keys  F3=Exit      F4=List fields
F5=Refresh   F6=Set key  F10=Action   F24=More keys
DBU 11.0 COPYRIGHT(C) 2017 PRODATA COMPUTER SERVICES, INC. 06/01/2018
  
```

Figure 1-7

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
          :      :          :        :        :        :
Mode . . . : Display      Record Number . : 16838
Text . . . : DBU SQL VIEW of LCLTBPC/ABPATHRS

Co
Make View/Index Permanent

File . . . : ABVIEW1
Library . . : LCLTBPC

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
More...

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

Figure 1-8

## 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
  
```

Figure 1-9

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
  
```

Figure 1-10

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
  
```

Figure 1-11

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
  
```

Figure 1-12

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 and a current DBU license 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  (DBUCMSEC)
  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

```

Figure 1-13

## 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 2<sup>nd</sup> 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

Bottom

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

```

Figure 1-14

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 Line No area and position the cursor to the first letter of the File Name and press ENTER.

```

Columns . . . : 6 100                      Edit                      CRNEWDEV/CHERC
SEU=>
PRT ** ... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...+... 8 ...+... 9 ...+... 0
***** Beginning of data *****
0001.00 /COPY CHERC HEADER                                070112
0002.00 *****                                          050729
0003.00 * Program: CH1004                                070104
0005.00 * Description: INVOICE ADD/UPDATE                070110
0013.00 *****                                          050729
0014.00 FOM10040 OF E      WORKSTN INFDS(SORND5)         070104
0015.00 F                   SFILE(INVSPL01:SQ(RRN01))    070110
0016.00 F                   SFILE(INVSPL02:SQ(RRN02))    070110
0017.00 F                   SFILE(WMSPL04:SQ(RRN04))    080514
0017.01 FOMINM01 IF E      K DISK  RENAME(CHRINM:INM01)  170202
@17.01 FOMINM06 UF A E      K DISK  160708
0020.00 FOMINW01 UF A E      K DISK  070110
0021.00 FOMINW03 IF E      K DISK  RENAME(CHRIND:INW03)  070509
0022.00 FOMINW01 UF A E      K DISK  070509

```

Figure 1-15

## ProData SEU Tools

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 @LC      Convert line block to lowercase
- ProData @JC      Convert line to uppercase
- ProData @JCC     Convert line block to uppercase

F12=Previous

```

Figure 1-16

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 @BUDBR DBU Database Relations for selected File
- DBU @BUFLD DBU Fields for selected File
- DBU @BUSQL Execute DBUSQL on selected File
- ProData @LC Convert line to lowercase
- ProData @LCC Convert line block to lowercase
- ProData @UC Convert line to uppercase
- ProData @UCC Convert line block to uppercase
  
```

Figure 1-17

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 . . : CPMINDEV      Format . . . : CHRINVM       File Access . . . : Keyed
Page# . . . : 1 of 1        Mode . . . : Display        Record Number . . : 1
Control . . : |_____     Text . . . : Invoice Master File - ID, type
  
```

Figure 1-18

## SEU Examples

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

```

Columns . . . : 6 100                               Edit                               CRN\DEV\CHSRC
SEU=>                                                A_CM1004
FMT C  QLON01Factor1+++++Opcode6ExtFactor2+++++Result+++++Len++D+HiLoEq...Comments+++++
0392.01 C  E_@Cust      Chain(n)  DBLCSTZ1                               160708
0394.00 C  If          %Found(DBLCSTZ1)                               070111
0395.00 C  Eval       ScName = xName                               070110
0396.00 C  EndIf                                           070110
0397.00 C                                           070110
0398.00 C  Clear      Cnr/Msc                               070111
@DBU 01 C  @KeyMsc01  Chain      @KeyMsc01                               160708
0400.00 C                                           070111
0401.00 C  EVAL      *ING5 = *ON                               070110
0402.00 C  EVAL      *ING5 = *OFF                              070110
0403.00 C  WRITE     INVCTL01                               070110
0404.00 C  EVAL      *ING5 = *OFF                              070110
0405.00 C                                           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 C                                           070110
0411.00 C  Eval      @SCCUJSP0 = @UGRUL                               070111
0412.00 C  Eval      @SCINWDT = @UGRUL                               070111

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

```

Figure 1-19

## 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

## Updates to DBUQUE command.

The user now has the ability to ADD/CHG/DLT entries in a Data Queue.

The message portion of a Data Queue entry, can be Changed or the entire entry can be Deleted and a new entry can be Added when in ADD mode. The CHG/DLT can only be preformed on a KEYED Data Queue, the ADD function can be preformed on KEYED or Non-KEYED Data Queues. If a Data Queue entry is processed before the CHG/DLT is preformed, the user will be notified that the entry is no longer available.

```

File          Format      Mode      Window      Search      Extra      Help
File . . . . : ALSTSTQ2  Member . . : ALSTSTQ2  Record Length . . : 577
Library . . . : QTEMP    Format . . . : FORMAT    File Access . . . : Keyed
Page# . . . . : 1 of 1   Mode . . . . : Change   Record Number . . : 1
Control . . . :          Text . . . . :

Date 2018-09-06-16.38.02.628397
Key 1
Job 0PADEV0006HARTLEY 411531
User HARTLEY
Message This is the message of a Data Queue entry.

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

Bottom

```

Figure 1-20