

How to use DB2 Platinum Migrator to migrate a Database/Tablespace/Table to anotherProcess:

Migration process is a combination of

- A) CREATING a migration strategy
- B) ANALYZING the created strategy
- C) Creating the DB2 objects using the created strategy

1) Option 2, from Platinum main menu(below) will take to RC/Migrator

Figure-1

```

-----
RPM   R03.03 ----- Unicenter DB2 Products Main Menu ----- 09-10-03   13:43:05
OPTION ==> 2                                           SCROLL ==> PAGE

DB2 SSID ==> DBDD LOCATION ==> LOCAL                      DB2 VERSION : V7R1M0
ACM      ==> OFF  ACMID      ==> WELZ492  SQLID ==> LPRADU1

<-> Backup and Recovery                                <-> Utilities
  _ LA Log Analyzer                                    _ U DB2 Object Manager

<-> Database Administration                            <-> Value Pack
  _ 1 RC/Query                                         _ B Batch Processor
  _ 2 RC/Migrator                                     _ C DB2 Command Processor
  _ 3 RC/Update                                       _ I Interactive SQL
  _ 4 RC/Secure                                       _ M Alt. Catalog Mapping
                                                    _ TT Thread Term/Dynam DSNZPARM
                                                    _ Y Utility Manager
                                                    _ 6 RI Manager

<-> General Facilities                                _ X Exit CA/DB2 Products
  _ A Product Authorizations
  _ DF Dataset Facility
  _ EP Edit Parmlib Members
  _ GP Global Prof. Variables
  _ IV Install Verifications
  _ SS Space Calculator
  _ T Product Tutorials
  _ W Log Maintenance

<-> Performance Management
  _ D Database Analyzer
  _ DT Detector
  _ P Plan Analyzer
-----

```

2) Choose Option 1 for **Strategy Services** on below menu to do a

a) **Migrator Strategy** or

b) **Alter Strategy**

Figure-2

```

-----
RMM R07.01 ----- RC/Migrator Main Menu ----- 09-10-03 17:38
OPTION  ==>

----- WELZ492
DB2 SSID ==> DBDD          DB2 Version ==> V7R1M0          ACM ==> OFF

0 - Profile
1 - Strategy Services
2 - Batch Processor
3 - Execution Display
4 - Quick Migration
5 - Syntax Checker

T - Tutorial
X - Exit RC/Migrator
-----

```

will take you to below screen.

Figure-3

```

-----
RMS1 R06.01 ----- RC/M Strategy Services ----- 09-11-02 10:59
COMMAND ==>                               SCROLL ==> CSR
DB2 SSID ==> DBDD
STRATEGY ==> *          CREATOR ==> WELZ492  TYPE ==> *          SRC SSID ==> *
----- WELZ492
          T S SRC +---- LAST UPDATE ----+
O STRATEGY DESCRIPTION          CREATOR P O SSID  USER  DATE  TIME
C _____
- LPRMIG01 LPAR TEST RELEASE SCRIPT WELZ492 M N DBDD WELZ492 09-10-02 17:20
- LPRMIG02 LPR TEST SCRIPT          WELZ492 M N DBDD WELZ492 09-10-02 17:27
-----

```

3) In the above screen, following options are allowed in the line command field O

- a) C/U - To create a strategy/update a strategy
- b) A - To Analyze a strategy
- c) S - To submit the strategy to create objects
- d) D - To delete a strategy

On line command T P , following options are allowed

- a) M - To create Migrator Strategy
- b) A - To create Alter Strategy

On line command S O , following options are allowed

- a) Y - share this strategy with other users
- b) N - don't want to share this strategy

Creation of Strategy:

4) After entering the values on fields as below

```
-----
RMS1 R07.01 ----- RC/M Strategy Services ----- 09-10-03 17:41
COMMAND ==>
                                SCROLL ==> CSR

DB2 SSID ==> DBDD
STRATEGY ==> *          CREATOR ==> WELZ492  TYPE ==> *          SRC SSID ==> *
----- WELZ492
```

```
-----
O STRATEGY DESCRIPTION          CREATOR  T S SRC  +---- LAST UPDATE  ----+
C LPRMIG03 LPR SCRIPT TEST MIGRATION_ WELZ492  M N DBDD <== STRATEGY CREATION
_ LPRMIG01 LPR SCRIPT TEST MIGRATOR  WELZ492  M Y DBDD WELZ492  09-12-02 12:01
_   CSS8.V7F.RCNTL(LPRMIG01)                WELZ492  09-12-02 12:33
_   CSS8.V7F.RCNTL(LPRMIG01)                WELZ492  09-12-02 14:03
_ LPRMIG02 LPR SCRIPT TEST MIGRATION WELZ492  M N DBDD WELZ492  09-10-03 14:10
-----
```

5) Pressing Enter will take you to the below screen

[Figure-4](#)

```
-----
RMS3 R07.01 ----- RC/M Create Migration Strategy ----- 09-10-03 13:50
COMMAND ==>

Strategy ==> LPRMIG02      Description ==> LPR SCRIPT TEST MIGRATION
Creator   ==> WELZ492      Share Option ==> N (U,Y,N,X,L)   SRC SSID ==> DBDD
-----
```

PRIMARY OBJECT TYPE SPECIFICATION. (Select one type with 'A' , 'S', or 'E')

```
_ Storage Group
_ Database
S Tablespace
_ Table
_ Index
_ View
_ Synonym/Alias
_ Trigger
_ Routine
```

PRIMARY OBJECT SELECTION SPECIFICATION.

```
Name ==> LPRTS001          Creator ==> *          Where ==> N
-----
```

6) Select the appropriate object name by entering S and also enter other value like Name, Creator as above and press Enter to go to the below screen

Figure-5

```

-----
RMPIETS1 R07.01 ----- RC/M Implode/Explode Services ----- 09-10-03 14:03
COMMAND ==>
                                SCROLL ==> CSR

STRATEGY ==> LPRMIG02           DESCRIPTION ==> LPR SCRIPT TEST MIGRATION
CREATOR   ==> WELZ492           SHARE OPTION ==> N (U,Y,N,X,L)
SRC SSID  ==> DBDD              NEW OBJECTS  ==> N (U,Y,N)
----- WELZ492 >

```

```

+-- IMplode OPTIONS --+ +- PRIMARY OBJECT +-+----- EXplode OPTIONS -----+
S  STOGROUP  DATABASE  TBLSPACE  CREATOR  TABLE INDEX VIEW SYN/AL TRIG
S   -         -         LPRTS001  DBMADM   S      S      S      S      S
-----

```

7) Pressing Enter will display object list of each category like on below screen. Select all objects to be migrated

Figure-6

```

-----
RMEDTB R07.01 ----- RC/M Dependent Table Selection ----- 09-10-03 14:04
COMMAND ==>
                                SCROLL ==> CSR

PARENT TABLESPACE ==> LPRTS001           CREATOR ==> DBMADM
NAME                ==> *                 CREATOR ==> *
----- WELZ492 >

```

Below is a list of tables whose parent tablespaces have been selected.

'S' - Select 'T' - Template 'U' - Unselect 'E' - Edit 'C' - Clear Edits

	TABLE NAME	CREATOR	TBLSPACE	DATABASE	SECURITY	ALL ROWS
S	CHECKING_TABLE	LPRADU1	LPRTS001	LPRUDB01	-	-
s	CPUCOMP	LPRADU1	LPRTS001	LPRUDB01	-	-
s	DBDE_DUMMY	LPRADU1	LPRTS001	LPRUDB01	-	-
__	DEPT	LPRADU1	LPRTS001	LPRUDB01	-	-
__	DEPT_DUMMY1	LPRADU1	LPRTS001	LPRUDB01	-	-
__	DSNTIAD_TABLE1	LPRADU1	LPRTS001	LPRUDB01	-	-
__	EMP_SAMPLE_DYNAMIC	LPRADU1	LPRTS001	LPRUDB01	-	-
__	EMP11	LPRADU1	LPRTS001	LPRUDB01	-	-
__	F2PLAN_TABLE	WELZ669	LPRTS001	LPRUDB01	-	-
__	GAMES	WELZ669	LPRTS001	LPRUDB01	-	-
__	MEDCAT_DV1_DATA	LPRADU1	LPRTS001	LPRUDB01	-	-
.						
.						
.						

8) Select needed tables as shown above and PF3 to go to next category and select those similarly

9) After selecting all tables control will come back to

Figure-8

```
-----
RMPIETS1 R07.01 ----- RC/M Implode/Explode Services ----- 09-10-03 14:08
COMMAND ==> SCROLL ==> CSR
```

```
STRATEGY ==> LPRMIG02      DESCRIPTION ==> LPR SCRIPT TEST MIGRATION
CREATOR ==> WELZ492      SHARE OPTION ==> N (U,Y,N,X,L)
SRC SSID ==> DBDD      NEW OBJECTS ==> N (U,Y,N)
```

```
----- WELZ492 >
```

```
+-+ IMplode OPTIONS +-+ PRIMARY OBJECT +-+ +----- EXPLODE OPTIONS -----+
S  STOGROUP  DATABASE  TBLSPACE  CREATOR  TABLE INDEX VIEW SYN/AL TRIG
   A         A         LPRTS001  DBMADM   S      S      S      S      S
```

10) Save after choosing all objects and PF3, which will list the created strategy as below

Figure-9

```
-----
O STRATEGY DESCRIPTION          CREATOR  P O SSID  USER      DATE      TIME
- - - - -
_ LPRMIG01 LPR SCRIPT TEST MIGRATOR WELZ492  M Y DBDD  WELZ492   09-12-02 12:01
_ CSS8.V7F.RCNTL(LPRMIG01)          WELZ492   09-12-02 12:33
_ CSS8.V7F.RCNTL(LPRMIG01)          WELZ492   09-12-02 14:03
_ LPRMIG02 LPR SCRIPT TEST MIGRATION WELZ492  M N DBDD  WELZ492   09-10-03 14:10
-----
```

11) Analyze the Strategy:

A on line command on the above screen like below and press enter will take you to Fig-10.

```
-----
O STRATEGY DESCRIPTION          CREATOR  P O SSID  USER      DATE      TIME
- - - - -
_ LPRMIG01 LPR SCRIPT TEST MIGRATOR WELZ492  M Y DBDD  WELZ492   09-12-02 12:01
_ CSS8.V7F.RCNTL(LPRMIG01)          WELZ492   09-12-02 12:33
_ CSS8.V7F.RCNTL(LPRMIG01)          WELZ492   09-12-02 14:03
A LPRMIG02 LPR SCRIPT TEST MIGRATION WELZ492  M N DBDD  WELZ492   09-10-03 14:10
-----
```

Figure-10

```
-----
RMA1 R07.01 ----- RC/M Migration Strategy Analysis ----- 09-10-03 14:13
COMMAND ==>
```

```
STRATEGY ==> LPRMIG02      DESCRIPTION ==> LPR SCRIPT TEST MIGRATION
CREATOR ==> WELZ492      SHAREOPTION ==> N
----- WELZ492
```

```
EXECUTION SPECIFICATIONS          ACCESS SPECIFICATIONS
EXECUTION MODE ==> 0 ( O - Online, B - Batch )  ACM ANALYSIS ==> N
OVERRIDE ==> N          PDS ANALYSIS ==> N
RECOVERY ==> N
```

```
OPTION SPECIFICATIONS          DB2 SSID SPECIFICATIONS
UPDATE OPTIONS ==> Y          SOURCE SSID ==> DBDD
GLOBAL CHANGES ==> Y        TARGET SSID ==> DBT
SET NAME ==>
SET CREATOR ==>
```

```
OUTPUT DATASET SPECIFICATIONS
EDIT DATASET ==> N
DATASET NAME ==> 'CSS8.V7F.DV.CNTL(LPRMIG02) '
VOLUME SERIAL ==> ( If not cataloged )
-----
```

12) Change the required options like Target DBDD and member name of the Analyze output as below and press enter;

13) If you entered Y on the above screen you will get further screens to changes the options like below

Figure-11

```

-----
RMA11 R07.01 ----- RC/M Strategy Analysis Options ----- 09-10-03 14:30
COMMAND ==>

Enter SAVE to save settings in ISPF profile, END to return to previous screen,
or enter a "?" next to any option to get field level help.

----Control Options----- -----Utility Options----- -----Output Options----
AUX IMplode           ==> N          STATS (Y,N,S,A)      ==> N          ANALYSIS HEADER ==> Y
RI(LOCAL/GLOBAL)     ==> N          CHECK DATA         ==> N          IMPACT ANALYSIS ==> Y
SECURITY              ==> N          IMAGE COPY (Y,P,N)  ==> N          RPT IN DDLFILE  ==> N
DROP OBJECTS         ==> N          (B)IND/(R)EBIND    ==> B
DEFAULT SQLID        ==> N          RECOVER INDEX      ==> N          Dataset Delete Options
LOB OBJECTS          ==> N                                     UNLOAD           ==> N
RTN IMplode          ==> (T,V,A,blank)                                     TEMPORARY        ==> N
RTN INTERACTION      ==> N (Y,N,A,O,E,M,S)

--Data Unload Options----- -----Model Options-----
ALL ROWS             ==> Y          MODEL ID            ==> @DEFAULT  -----IDCAMS Options-----
NUMBER ROWS          ==>          MODEL CREATOR       ==> DBMZ001  VSAM DEFINES     ==> N
DATA STATISTICS      ==> N          UPDATE MODEL        ==> N          VSAM DELETES    ==> N

-----Exclusive Options-----
NO .AUTHS            ==> N
BND/DAT/STAT/SQL/GRNT/RI ==> N ( B nd, D at, R -Stat, S QL, G rnt, R I or N )
COMMIT ASAP          ==> N ( If SQL only specified )
-----

```

- Enter Y for the needed actions like;
- A) SECURITY = Y to include GRANTS
 - B) UNLOAD = Y to unload source and load target
 - C) IMAGE COPY = Y to image copy source
 - c) Bind or Rebind
 - d)

14) Save and PF3 to reach GLOBAL CHANGES panel to do changes on target objects

Figure-12

```

-----
SET NAME ==> TEMP          SHARE OPTION ==> N
CREATOR  ==> WELZ492      DESCRIPTION  ==> TEMPORARY GLOBAL CHANGES

CODE      CHANGE DESCRIPTION      FROM          TO
TS        TABLESPACE
TSNM      _ NAME                    LPRTS001     LPRTSRCM
TSDB      _ DBNAME                      _____
TSCR      _ CREATOR                      _____
TSCB      _ CREATED BY                    _____
TSCL      _ CLOSE RULE                    _____
TSSS      _ SEGSIZE                      _____
TSLR      _ LOCKRULE                    _____
TSBP      _ BUFFERPOOL                    _____
TSDP      _ DATASET PASSWORD                _____
TSGT      _ GRANTOR (NC)                  _____
TSGE      _ GRANTEE (NC)                  _____
-----

```

Type **R** to replicate a line with more than one global change of same attribute.

15) PF3 should take to this screen if you had chosen batch otherwise you will see main screen

[Figure-12](#)

```
-----
PTBMOD R07.01 ----- Batch JCL Specification ----- 09-10-03 14:40:11
COMMAND ==>

EXECUTION SPECIFICATIONS:
  DESTINATION      ==>          ( J - JES, D - Dataset, P - Preview JCL )

OUTPUT JCL DATA SET SPECIFICATIONS:
  DATA SET NAME   ==> 'CSS8.V7F.dv.cntl'
  MEMBER NAME      ==> ANALYZE ( Blank or pattern for member selection list )
  VOLUME SERIAL    ==>          ( If not cataloged )
  REPLACE MEMBER   ==> N       ( Y - Yes, N - No )

MODEL JCL SPECIFICATIONS:
  MODEL LIBRARY    ==> 'DBA.DB2.PLATINUM.MODEL'
  MODEL MEMBER     ==> MJRCMANL ( Blank or pattern for member selection list )
  VOLUME SERIAL    ==>          ( If not cataloged )
  EDIT MODEL JCL   ==> N       ( Y - Yes, N - No )
  UPDATE VALUES   ==> N       ( Y - Yes, N - No )

JOB CARD SPECIFICATION:
==> //WELZ492A JOB '001200-3-90492-000399','DV TEST',CLASS=B,
==> // MSGCLASS=R,TIME=90,NOTIFY=&SYSUID
==> /*JOBPARM ROOM=3D1,PROCLIB=PROC31
==> //JOBLIB INCLUDE MEMBER=JOBLIBT
-----
```

16) if you press enter and if you had chosed online, you will see the below screent

```
*****
* Your RC/Migrator Strategy Analysis is being performed *
* at this time. The CA-DB2 Batch Processor commands *
* along with the necessary DDL and DCL are being written *
* to the following dataset for you. *
* * * * *
* 'CSS8.V7F.DV.CNTL(LPRMIG02)' *
*****
```

or if you had chosed batch you will see the below JCL generated in the dataset mentioned on [Figure 12](#) .Submit this for ANALYSIS output

[Figure-13](#)

```
-----
//WELZ492A JOB (001200-1-90492-000399),'DV1-TESTING',
//* CLASS=B,MSGCLASS=R,NOTIFY=&SYSUID
//*
//ANALYZE EXEC PGM=PTLDRIVM,REGION=4M,PARM='EP=RML@MAIN'
//STEPLIB DD DISP=SHR,DSN=DBA.DB2.PLATINUM.LOADLIB
// DD DISP=SHR,DSN=DBDD.DBA.DB2.DSNLIB
// DD DISP=SHR,DSN=DBA.DB2.PLATINUM.LOADLIB
//PTILIB DD DISP=SHR,DSN=DBA.DB2.PLATINUM.LOADLIB
// DD DISP=SHR,DSN=DBDD.DBA.DB2.DSNLIB
// DD DISP=SHR,DSN=DBA.DB2.PLATINUM.LOADLIB
//PTIPARM DD DISP=SHR,DSN=DBA.DB2.PLATINUM.PARMLIB
//PTIXMSG DD DISP=SHR,DSN=DBA.DB2.PLATINUM.XMESSAGE
//MSGFILE DD SYSOUT=*
//REPFIL DD SYSOUT=*
//ABNLIGNR DD DUMMY SUPPRESS ABENDAID DUMPS
//DDLFILE DD DISP=SHR,
// DSN=CSS8.V7F.RCNTL(LPRMIG01)
//PARMFILE DD *
```

```

CREATOR WELZ492
STRATEGY LPRMIG01
STRTSSID DBDD
TRGSSID DBDD
SECURITY
UNLOAD
HEADER
TRAILER
IMAGCOPY
BIND
PREFIX WELZ492
MODEL4 @DEFAULT
MODEL4C DBMZ001
GLBLNAME TEMP
GLBLCRTR WELZ492
TBNM EMP% LPREMP%
TBNM DEPT% LPRDEPT%
/*
//

```

17) After the job completion, make sure you verify the produced ANALYZED OUTPUT to your needs.

18) Creating the DB2 Objects

Type S on the analyzed output to create the objects;

Figure-14

```

-----+-----+
O STRATEGY DESCRIPTION          CREATOR P O SSID USER DATE TIME
-----+-----+
_ LPRMIG01 LPR SCRIPT TEST MIGRATOR WELZ492 M Y DBDD WELZ492 09-12-02 12:01
  _ CSS8.V7F.RCNTL(LPRMIG01)          WELZ492 09-12-02 12:33
  _ CSS8.V7F.RCNTL(LPRMIG01)          WELZ492 09-12-02 14:03
_ LPRMIG02 LPR SCRIPT TEST MIGRATION WELZ492 M N DBDD WELZ492 09-10-03 14:10
  _ CSS8.V7F.DV.CNTL(LPRMIG02)        WELZ492 09-10-03 14:19
  s CSS8.V7F.DV.CNTL(LPRMIG02)        WELZ492 09-10-03 14:46
-----+-----+

```

will put you in,

Figure-15

```

-----+-----+
PTBP R07.01 ----- Batch Processor Interface ----- 09-10-03 14:50:24
COMMAND ==>

EXECUTION SPECIFICATIONS:
EXECUTION MODE ==> b          ( B - Batch mode, O - Online mode )
DB2 SSID        ==> DBDD

BATCH PROCESSOR INPUT DATA SET:
DATA SET NAME   ==> 'CSS8.V7F.DV.CNTL'
MEMBER          ==> LPRMIG02 ( Blank or pattern for member selection list )
VOLUME SERIAL   ==>          ( If not cataloged )
EDIT DATA SET  ==> N          ( Y - Yes, N - No )

PROCESSING OPTIONS:
UNLOAD MODE     ==> A          CONTINUE IF:
RESTART         ==> N          -WARNING                ==> N
TERM UTILITY    ==> N          -SQL ERROR               ==> N
RETRY LIMIT     ==> 40         -BIND ERROR              ==> N
WRAP/TRUNCATE   ==> T          -LOAD DISCARDS          ==> N

AUDIT OPTIONS
AUDIT TRAIL     ==> Y          OUTPUT CLASS              ==> A
OUTPUT FORM     ==>          OUTPUT DESTINATION        ==>
-----+-----+

```

If you had chosed online exection, PF3 will execute the job will create your objects.
or submit the created JCL to create your objects