



Legac-E Education

Unload a PDS(E) using REXX

This was designed to allow delegates to convert their text file libraries to sequential data streams for off-loading so that they could subsequently be loaded onto their home z/OS systems as input to IEBUPDTE.

The routine is expected to be run in ISPF foreground using a panel to collect data set names, but this could easily be changed to use SAY/PULL combinations if batch execution were required.

```
/* REXX change IEBPTPCH to IEBUPDTE */
"DROPBUF 0" /* Clear the stack for safety. */
ieb.1 = LEFT(" PUNCH TYPORG=PO ",80)
Drop recs. /* Ensure STEM is empty */
Call get_file_names /* Get file names from User */
Call alloc_files /* Allocate the required files */
Call grab_pds_in /* Get various members */
Call change_routine /* Now effect the changes */

/* Finally output the results to the IEBUPDTE SYSIN file. */
"EXECIO * DISKW OUTDD (STEM recs. FINIS"

Exit cc /* Exit with Cond Code */

Get_file_names: /* Obtain permanent file names */
Address ISPEXEC "DISPLAY PANEL(FRIGP001)"
Select
  When rc = 0 Then Nop
  When rc = 8 Then Exit
  Otherwise
End
check = SYSDSN(" "||idsn|" ")
If check ^= 'OK' Then Do
  Address ISPEXEC "DISPLAY MSG(FRIG106)"
  If rc > 0 Then Exit
End
check = SYSDSN(" "||odsn|" ")
If check = 'OK' Then Do
  Address ISPEXEC "DISPLAY MSG(FRIG107)"
  If rc > 0 Then Exit
End
Return
```



Legac-E Education

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```
alloc_files:                                /* Allocate all other files      */
"ALLOC DUMMY F(SYSPRINT)"                    /* Don't need IEBTPCH messages */
Push "FREE F(SYSPRINT) "
"ALLOC DA('idsn') F(SYSUT1) SHR"
cc = rc                                       /* Save as current Cond Code    */
If cc = 0 Then Push "FREE F(SYSUT1)"
  Else Do
    Say 'Allocation failed for input data set'
    Exit 16
  End
"ALLOC DA('USERID()".TEMP.PUNCH') F(SYSUT2) NEW ",
"KEEP SPACE(600,100) AVGREC(K) ",
"AVBLOCK(81) BLKSIZE(0) LRECL(81) RECFM(F B A) UNIT(SYSDA)"
cc = rc                                       /* Save as current Cond Code    */
Push "FREE F(SYSUT2) "
"ALLOC DA('USERID()".IEBTPCH.SYSIN') F(SYSIN) NEW ",
"KEEP SPACE(3,3) AVGREC(U) ",
"AVBLOCK(80) BLKSIZE(0) LRECL(80) RECFM(F B) UNIT(SYSDA)"
cc = rc                                       /* Save as current Cond Code    */
Push "FREE F(SYSIN) "
/* Now output IEBTPCH control statement      */
"EXECIO 1 DISKW SYSIN (STEM ieb. FINIS"
"ALLOC DA('odsn') F(OUTDD) NEW ",
"KEEP SPACE(600,100) AVGREC(K) ",
"AVBLOCK(80) BLKSIZE(0) LRECL(80) RECFM(F B) UNIT(SYSDA)"
cc = rc                                       /* Save as current Cond Code    */
If cc = 0 Then Push "FREE F(OUTDD)"
  Else Do
    Say 'Allocation failed for output data set'
    Exit 16
  End

/* Ensure deletes occur after Free Commands are issued */

Queue "DELETE 'USERID()".TEMP.PUNCH' "
Queue "DELETE 'USERID()".IEBTPCH.SYSIN' "
Return
```



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```
grab_pds_in:                                /* Get all PDS(E) members      */
Address LINKPGM 'IEBTPCH'                   /* Convert PO to PS with LRECL=81 */
cc = rc                                     /* Save as current Cond Code    */
If cc ^= 0 Then Do
    Say 'IEBTPCH failure, run aborted'
    Exit cc                                  /* Quit with IEBTPCH error code */
End
"EXECIO * DISKR SYSUT2 1 ( STEM recs. FINIS"
                                           /* Records should now be in recs. */
Return

change_routine:                             /* Apply required changes      */
Do i = 1 While i -> recs.0
    recs.i = STRIP(recs.i,'L','V')          /* Truncate to LRECL=80       */
    If SUBSTR(recs.i,1,13) = 'MEMBER NAME '
        Then recs.i = './ ADD NAME='||SUBSTR(recs.i,14)
End
                                           /* Records now suitable for IEBUPDTE */
Return
```