

This guide is intended to help you install the LongName Field Developed Program (FDP) it was prepared using Bundle version v39 but should be equally applicable to any later versions.

The install process overview is as follows;

1. Unzip the package
2. Upload the .XMIT file as binary (FB80)
3. Receive the .XMIT file to create a PDS
4. Execute @@START1 member in this file to set installation defaults - HLQs for Endeavor and the new HLQ for the LongName FDP
5. Execute @@START2 member to create the @@START3 job (it should be tailored ready to go) and...
6. Submit the @@START3 member
7. Execute @@START4 to launch a sample startup Rexx, and FDP Menu as an the IVP.
8. Option L will launch the LongName utility, use PF1 to review the help, and then 'C' to review the changes

Details and screen shots follow

Update/Revision history.

This is revision 3 and covers changes in the FDP to Endeavor V18.0.12 and later and from FDP V61 and later.

Upload the XMIT file

Use FTP, or your favorite file transfer program to upload the xmit file *IN BINARY MODE*.

Hint: if you have difficulties uploading the file in the expected format, (FB80) or your default allocation is not big enough you can either pre-allocate the target file, or use the FTP QUOTE SITE command to provide appropriate values...

```
quote site Lrecl=80 RECfm=FB BLOCKSiz=0 PRI=5 SEC=1 CYL
```

Don't forget to send the 'BIN' command to specify binary, then you can use PUT to send the .XMIT file to your host, optionally specifying a new name as shown below...

```
ftp> open ca31.ca.com
Already connected to usilca31.ca.com, use disconnect first.
ftp> close
221 Quit command received. Goodbye.
ftp> open ca31.ca.com
Connected to usilca31.ca.com.
220-FTPD311 IBM FTP CS V2R1 at USILCA31.CA.COM, 23:12:10 on 2015-10-17.
220 Connection will close if idle for more than 8 minutes.
User (usilca31.ca.com:(none)): ocleo01
331 Send password please.
Password:
230 OCLE001 is logged on. Working directory is "OCLE001.".
ftp> quote site Lrecl=80 RECfm=FB BLOCKSiz=0 PRI=5 SEC=1 CYL
200 SITE command was accepted
ftp> bin
200 Representation type is Image
ftp> put CADEMO.BUNDLE.LONGNAME.V39.XMIT 'bst.qa.bundle.longname.v39.xmit'
200 Port request OK.
125 Storing data set BST.QA.BUNDLE.LONGNAME.V39.XMIT
250 Transfer completed successfully.
ftp: 1900560 bytes sent in 3.70Second
ftp> quit
221 Quit command received. Goodbye.

Z:\Documents\Work\LongName>
```

don't forget to specify binary transfer

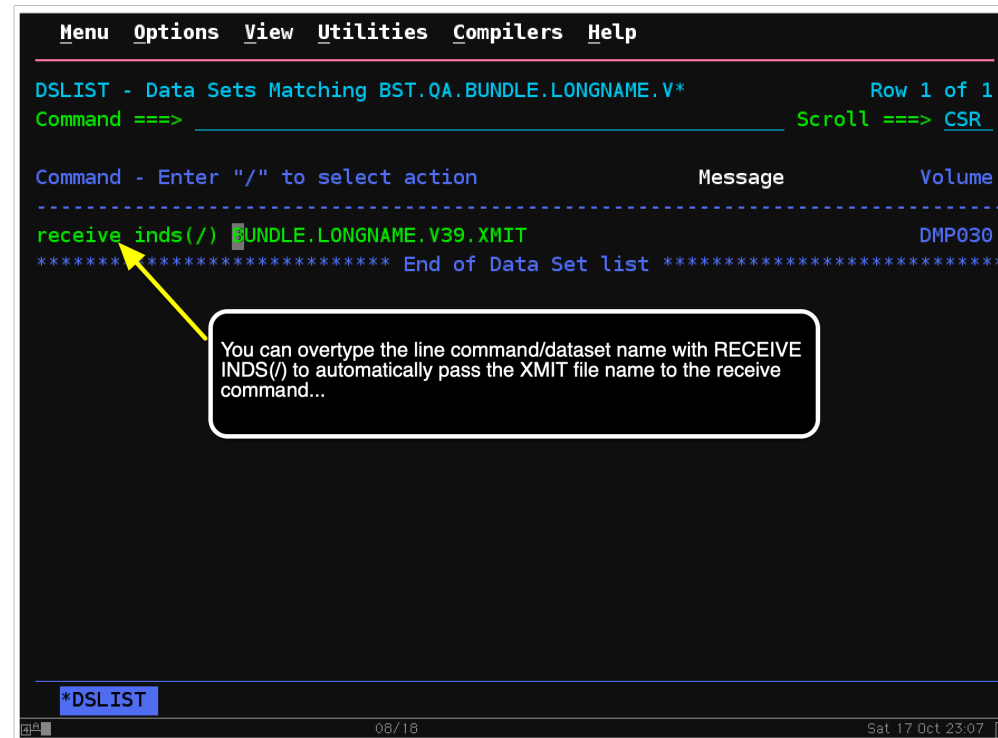
Find the uploaded file

Use the DSList utility (ISPF 3.4) to find the file you've uploaded

```
Menu RefList RefMode Utilities Help
Data Set List Utility
Option ==> =3.4
blank Display data set list      P Print data set list
V Display VTOC information      PV Print VTOC information
More: +
Enter one or both of the parameters below:
Dsname Level . . . BST.QA.BUNDLE.LONGNAME.V*
Volume serial . . .
Data set list options
Initial View                      Enter "/" to select option
1 1. Volume                       / Confirm Data Set Delete
2 2. Space                        / Confirm Member Delete
3 3. Attrib                       / Include Additional Qualifiers
4 4. Total                        / Display Catalog Name
                                  / Display Total Tracks
                                  - Prefix Dsname Level
When the data set list is displayed, enter either:
*DSLST
10/49 Sat 17 Oct 23:06
```

Receive the file

The easiest way to receive the file is to type "RECEIVE INDS(/) " on the same line as the xmit file and press ENTER...



```
Menu Options View Utilities Compilers Help
DSLIST - Data Sets Matching BST.QA.BUNDLE.LONGNAME.V* Row 1 of 1
Command ==> Scroll ==> CSR

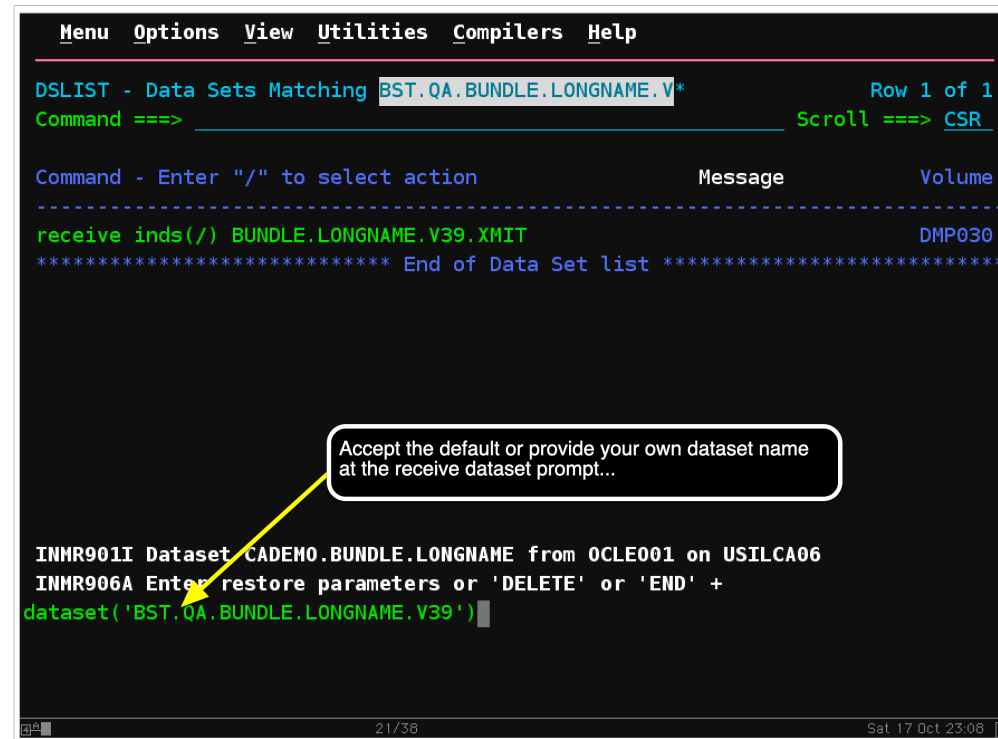
Command - Enter "/" to select action Message Volume
-----
receive_inds(/) BUNDLE.LONGNAME.V39.XMIT DMP030
***** End of Data Set list *****

*DSLIST
08/18 Sat 17 Oct 23:07
```

You can overwrite the line command/dataset name with RECEIVE INDS(/) to automatically pass the XMIT file name to the receive command...

Provide a dataset name

You can provide an override dataset name using the keyword DATASET('<your file name here>') or just press ENTER to get the default... in this case I show you how to make the name match the XMIT file by copy and pasting the name...



```
Menu Options View Utilities Compilers Help
DSLIST - Data Sets Matching BST.QA.BUNDLE.LONGNAME.V* Row 1 of 1
Command ==> Scroll ==> CSR
Command - Enter "/" to select action Message Volume
-----
receive inds(/) BUNDLE.LONGNAME.V39.XMIT DMP030
***** End of Data Set list *****
INMR901I Dataset CADEMO.BUNDLE.LONGNAME from OCLE001 on USILCA06
INMR906A Enter restore parameters or 'DELETE' or 'END' +
dataset('BST.QA.BUNDLE.LONGNAME.V39')
21/38 Sat 17 Oct 23:08
```

Unpack...

When you press ENTER, the file will be received and you will see messages as the members are unpacked... (press ENTER a few times)

```
Menu Options View Utilities Compilers Help
-----
DSLIST - Data Sets Matching BST.QA.BUNDLE.LONGNAME.V* Row 1 of 1
Command ==> Scroll ==> CSR

Command - Enter "/" to select action Message Volume
-----
receive inds() BUNDLE.LONGNAME.V39.XMIT DMP030
***** End of Data Set list *****

INMR901I Dataset CADEM0.BUNDLE.LONGNAME from 0CLE001 on USILCA06
INMR906A Enter restore parameters or 'DELETE' or 'END' +
dataset('BST.QA.BUNDLE.LONGNAME.V39')
PDSMAN r7.70 FASTCOPY FACILITY 1
7 October 2015.290 18:08:48 PAGE 1
***
```

...

```
** PDSMFCDP ** CA32
FC0100I PDSMAN FASTCOPY PROCESSING ACTIVE      10/17/2015   18:08:48   JOBNAME OC
LE001  JOBSTEP CATS0
FC0428I PARM='WORK=4M,SIZE=1M'
FC0105I COPY INDD=((SYS00067,R)),OUTDD=SYS00066
FC0110I LOADING TO    PDS    OUTDD=SYS00066 VOL=NDVS08 DSN=BST.QA.BUNDLE.LONGNAME
.V39
FC0111I          FROM PDSU    INDD=SYS00067 VOL=TMPD12 DSN=SYS15290.T180847.RA000
.OCLE001.R0562906
FC0141M @@START1          LOADED
FC0141M @@START2          LOADED
FC0141M @ADDSCS           LOADED
FC0141M @C1MSGGS2         LOADED
FC0141M @EXECFDP          LOADED
FC0141M @FIXSORT          LOADED
FC0141M @IEBCOPY          LOADED
FC0141M @INSTJOB          LOADED
FC0141M @SITE             LOADED
FC0141M @STARTFD          LOADED
FC0141M AMSGS             LOADED
FC0141M APIAESCL          LOADED
FC0141M APIAXSCL          LOADED
FC0141M ARCHDDNM          LOADED
***
```

24/06 Sat 17 Oct 23:09

Receive Complete

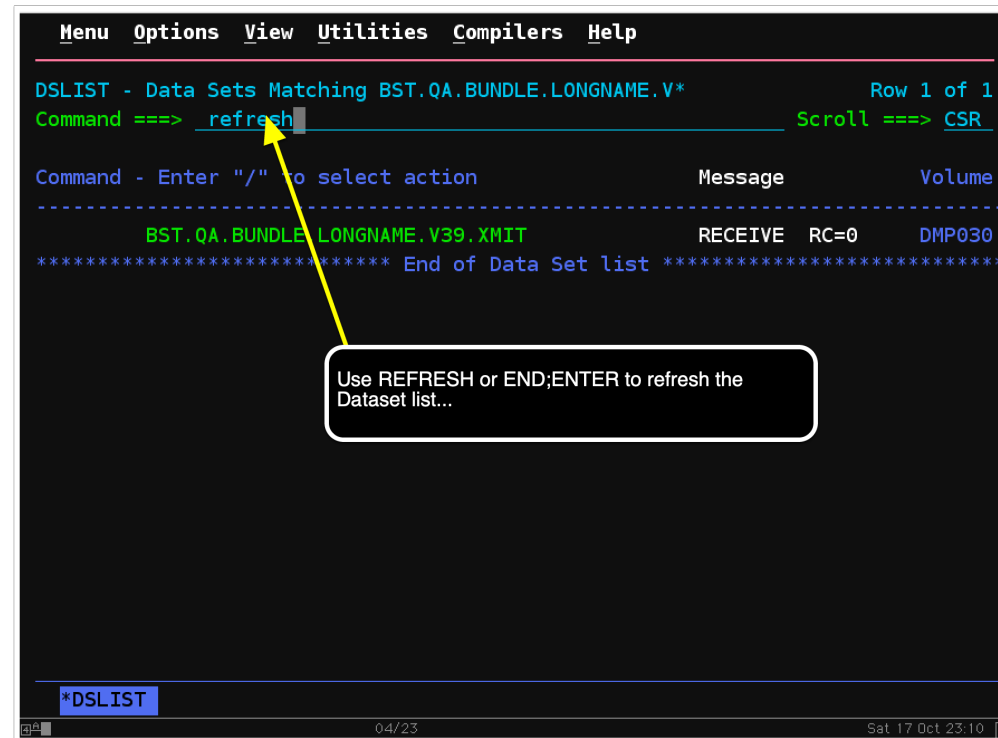
When all members have been unpacked, press ENTER one more time to return to DSList

```
FC0141M USRRTNUM          LOADED
FC0141M USRRTNUX          LOADED
FC0141M WHEREAMI          LOADED
FC0213U VOLUME(S) USED FOR LOAD:  TMPD12
FC0164U INPUT  MBRS    149 TOTAL    149 COPIED        0 NOT COPIED
FC0165U OUTPUT MBRS    149 TOTAL    149 ADDED        0 REPLACED
FC0200U EXCPS      808 TOTAL    803 INPUT        5 OUTPUT
FC0170U DIR BLKS     42 TOTAL     37 USED          5 UNUSED
PDSMAN      r7.70                                FASTCOPY FACILITY      1
7 October   2015.290 18:08:48 PAGE      4
** PDSHFCDP ** CA32
FC0180U TRACKS      82 TOTAL     47 USED          35 UNUSED
FC0190U EXTENTS      1 TOTAL      1 USED           0 UNUSED
FC0210U STORAGE    716K ALLOC   716K USED
FC0220U 00.00.00.10 SECS ELAPSED 00.00.00.01 TCB CPU 00.00.00.00 SRB CPU
FC0230I PDSMAN FASTCOPY PROCESSING COMPLETE 10/17/2015 18:08:48 CC=00
FC0212I OPTIONS USED:  HSGI=Y HSGM=Y HSGU=Y VALCHECK=I CONVERTAWO=N AUTOEXPAND=
10 AUTOCOPYMOD=S ABENDRC=00
INMR001I Restore successful to dataset 'BST.QA.BUNDLE.LONGNAME.V39'
***
```

20/06 Sat 17 Oct 23:10

Refresh

Refresh the display, or navigate to the new file location...

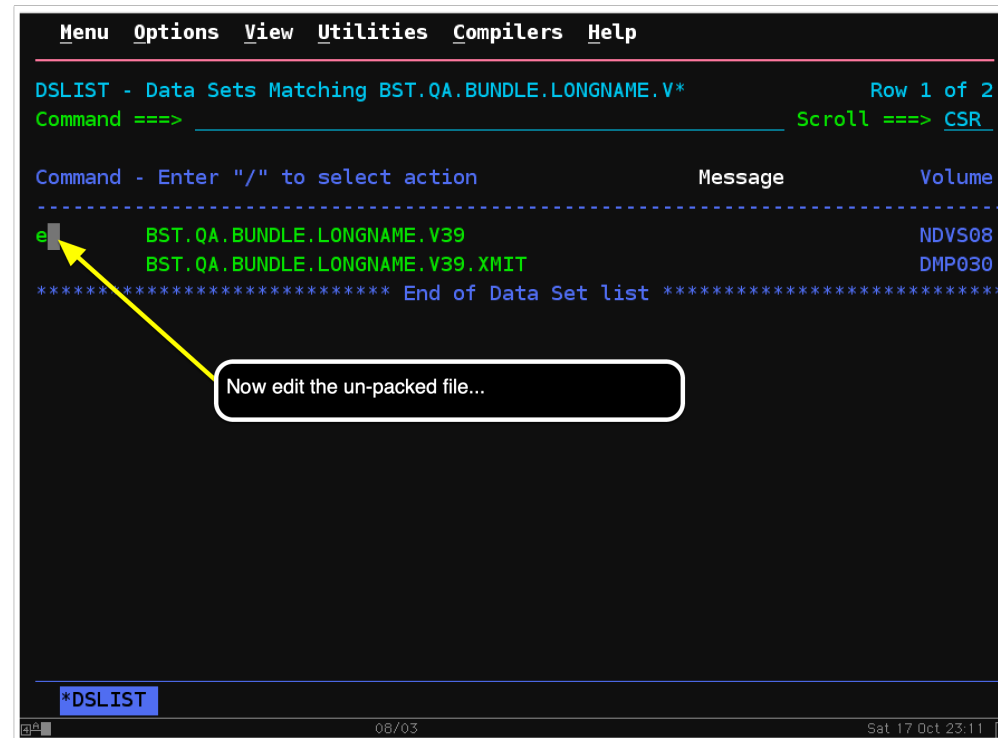


The screenshot shows the DSLIST utility interface. At the top, there is a menu bar with options: Menu, Options, View, Utilities, Compilers, and Help. Below the menu bar, the text "DSLIST - Data Sets Matching BST.QA.BUNDLE.LONGNAME.V*" is displayed, along with "Row 1 of 1". The command line shows "Command ==> refresh" with a cursor at the end. To the right of the command line, it says "Scroll ==> CSR". Below the command line, there is a prompt "Command - Enter '/' to select action". The main display area shows a table with columns "Message" and "Volume". The table contains one row: "BST.QA.BUNDLE.LONGNAME.V39.XMIT" under "Message" and "RECEIVE RC=0 DMP030" under "Volume". Below the table, it says "***** End of Data Set list *****". A yellow arrow points from a callout box to the "refresh" command in the command line. The callout box contains the text "Use REFRESH or END;ENTER to refresh the Dataset list...". At the bottom left, there is a status bar with "*DSLIST". At the bottom center, it shows "04/23". At the bottom right, it shows "Sat 17 Oct 23:10".

```
Menu Options View Utilities Compilers Help
DSLIST - Data Sets Matching BST.QA.BUNDLE.LONGNAME.V* Row 1 of 1
Command ==> refresh Scroll ==> CSR
Command - Enter '/' to select action
-----
BST.QA.BUNDLE.LONGNAME.V39.XMIT RECEIVE RC=0 DMP030
***** End of Data Set list *****
*DSLIST
04/23 Sat 17 Oct 23:10
```

Edit the Received file

Use the line command 'E' to start an extended edit on the received file...

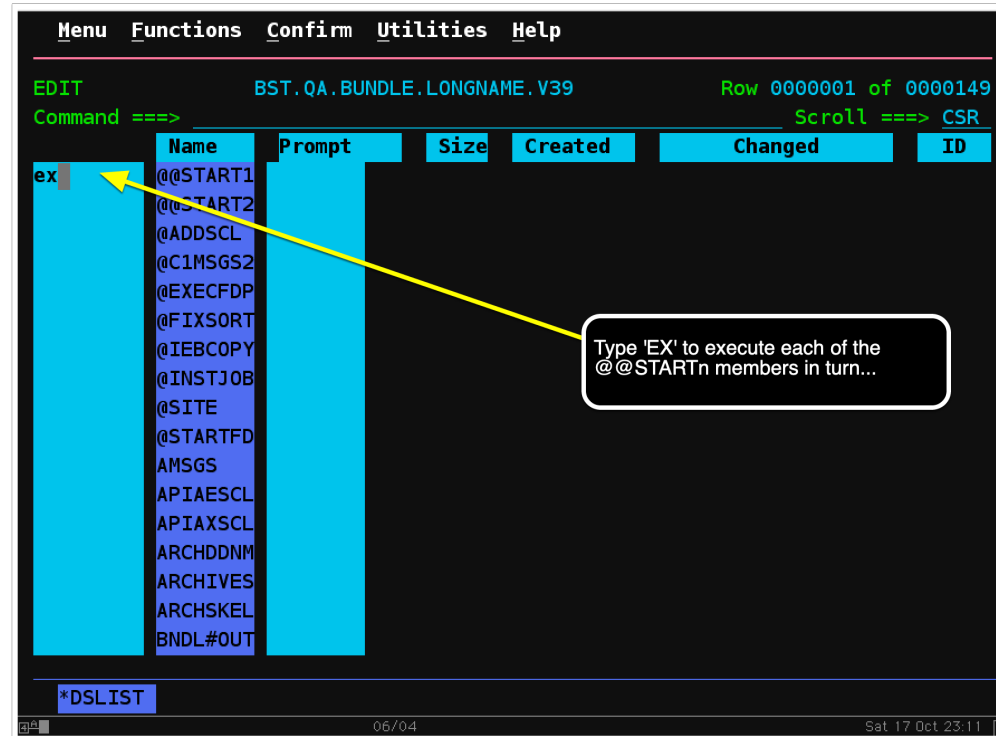


```
Menu Options View Utilities Compilers Help
DSLIST - Data Sets Matching BST.QA.BUNDLE.LONGNAME.V* Row 1 of 2
Command ==> Scroll ==> CSR
Command - Enter "/" to select action Message Volume
-----
e BST.QA.BUNDLE.LONGNAME.V39 NDVS08
  BST.QA.BUNDLE.LONGNAME.V39.XMIT DMP030
***** End of Data Set list *****
*DSLIST
08/03 Sat 17 Oct 23:11
```

Now edit the un-packed file...

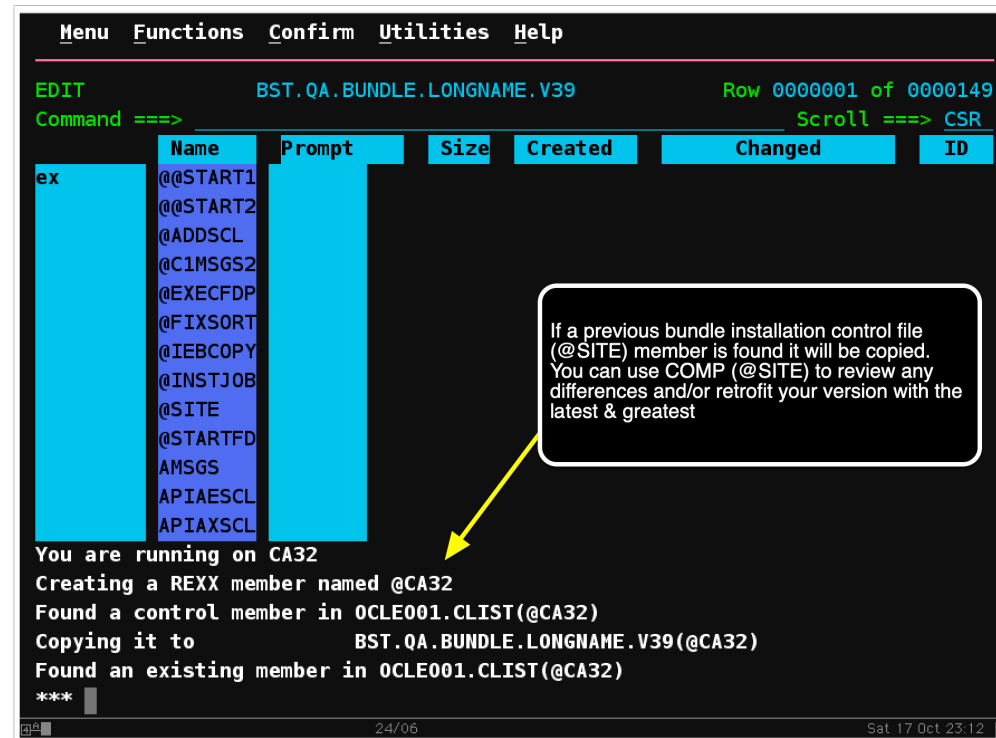
Execute @@START1

Type 'EX' on the @@START1 line to execute the initial tailoring step and press ENTER...



...checking for @SITE

The Exec will check for a previous installation configuration files (named with the at ('@') and the LPAR or SYSID of the system... In this case one has been found and is copied into the current dataset for editing



The screenshot shows the LongName Utility FDP interface. At the top, there is a menu bar with **Menu**, **Functions**, **Confirm**, **Utilities**, and **Help**. Below the menu bar, the text **EDIT** is displayed, followed by the dataset name **BST.QA.BUNDLE.LONGNAME.V39** and the row information **Row 0000001 of 0000149**. The command **Command ==>** is shown, and the **Scroll ==> CSR** option is available. A table with the following columns is displayed: **Name**, **Prompt**, **Size**, **Created**, **Changed**, and **ID**. The table contains the following members: **@@START1**, **@@START2**, **@ADDSC**, **@C1MSG2**, **@EXECFD**, **@FIXSORT**, **@IEBCOPY**, **@INSTJOB**, **@SITE**, **@STARTFD**, **AMSGS**, **APIAESCL**, and **APIAXSCL**. A yellow arrow points from a text box to the **@SITE** member. The text box contains the following text: **If a previous bundle installation control file (@SITE) member is found it will be copied. You can use COMP (@SITE) to review any differences and/or retrofit your version with the latest & greatest**. Below the table, the following text is displayed: **You are running on CA32**, **Creating a REXX member named @CA32**, **Found a control member in 0CLE001.CLIST(@CA32)**, **Copying it to BST.QA.BUNDLE.LONGNAME.V39(@CA32)**, **Found an existing member in 0CLE001.CLIST(@CA32)**, and *******. The status bar at the bottom shows **24/06** and **Sat 17 Oct 23:12**.

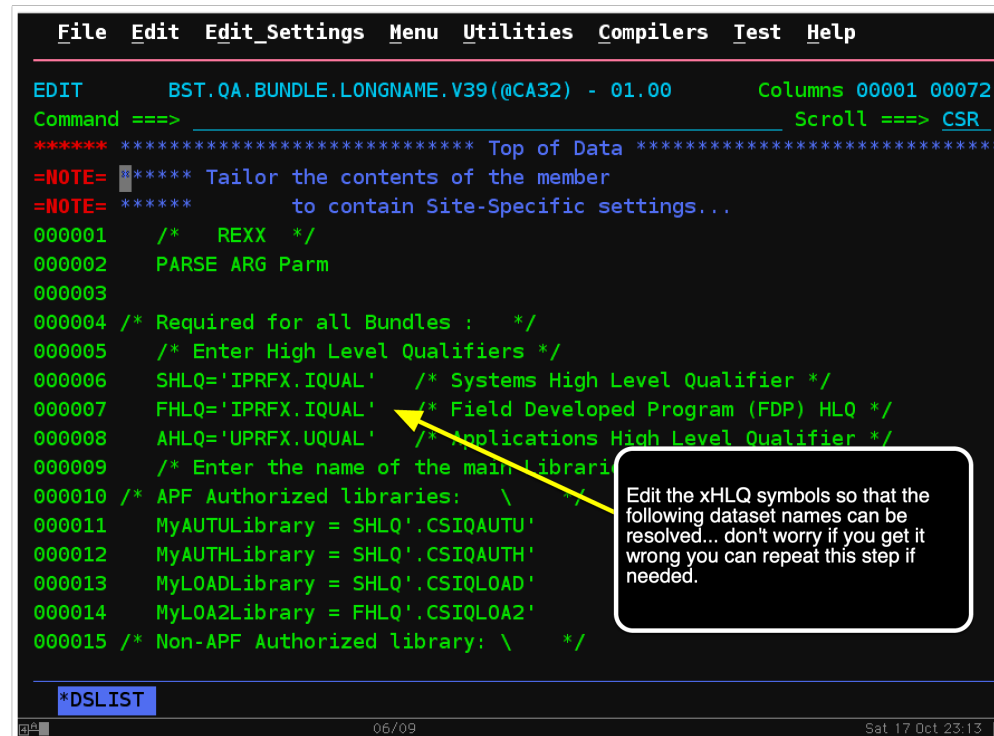
Name	Prompt	Size	Created	Changed	ID
@@START1					
@@START2					
@ADDSC					
@C1MSG2					
@EXECFD					
@FIXSORT					
@IEBCOPY					
@INSTJOB					
@SITE					
@STARTFD					
AMSGS					
APIAESCL					
APIAXSCL					

You are running on CA32
Creating a REXX member named @CA32
Found a control member in 0CLE001.CLIST(@CA32)
Copying it to BST.QA.BUNDLE.LONGNAME.V39(@CA32)
Found an existing member in 0CLE001.CLIST(@CA32)

Edit @SITE

This member is used to generate all the customized dataset names used at this site. In an ideal world you will only have to change lines 6-8 to provide the high level qualifiers for your existing Endeavor install (SHLQ), application or User HLQ (AHLQ) and then select a name for the FDP high level qualifiers.

The lines that follow use these values to establish individual dataset names for each of the Endeavor installation libraries and the (NEW) FDP libraries - you can of course override any dataset name as needed.



```

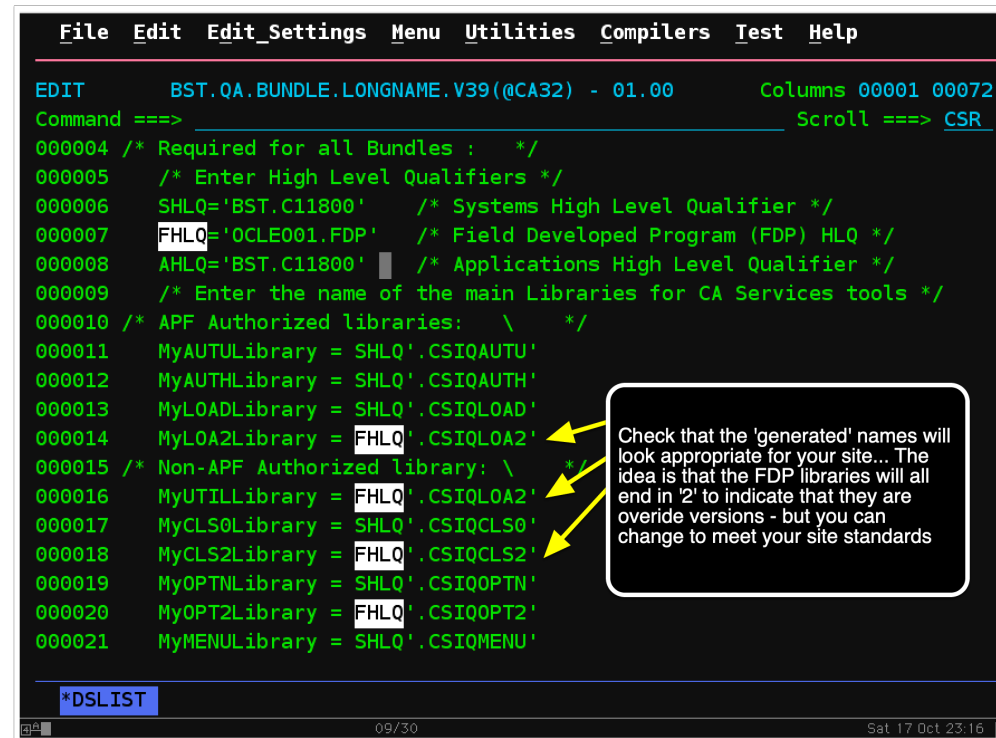
File Edit Edit_Settings Menu Utilities Compilers Test Help

EDIT      BST.QA.BUNDLE.LONGNAME.V39(@CA32) - 01.00      Columns 00001 00072
Command ==>                                     Scroll ==> CSR
***** Top of Data *****
=NOTE= ***** Tailor the contents of the member
=NOTE= ***** to contain Site-Specific settings...
000001 /* REXX */
000002 PARSE ARG Parm
000003
000004 /* Required for all Bundles : */
000005 /* Enter High Level Qualifiers */
000006 SHLQ='IPRFX.IQUAL' /* Systems High Level Qualifier */
000007 FHLQ='IPRFX.IQUAL' /* Field Developed Program (FDP) HLQ */
000008 AHLQ='UPRFX.UQUAL' /* Applications High Level Qualifier */
000009 /* Enter the name of the main library */
000010 /* APF Authorized libraries: \ */
000011 MyAUTULibrary = SHLQ'.CSIQAUTU'
000012 MyAUTHLibrary = SHLQ'.CSIQAUTU'
000013 MyLOADLibrary = SHLQ'.CSIQLOAD'
000014 MyLOA2Library = FHLQ'.CSIQLOA2'
000015 /* Non-APF Authorized library: \ */

*DSLIST
  
```

Tailor to your site standards...

In this case Endeavor is installed with a high level qualifier of 'BST.C11800' and I want the LongName utility files to be stored under my "*userid.FDP*" for testing...



```
File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT      BST.QA.BUNDLE.LONGNAME.V39(@CA32) - 01.00      Columns 00001 00072
Command ==>                                     Scroll ==> CSR
000004 /* Required for all Bundles : */
000005 /* Enter High Level Qualifiers */
000006 SHLQ='BST.C11800' /* Systems High Level Qualifier */
000007 FHLQ='0CLE001.FDP' /* Field Developed Program (FDP) HLQ */
000008 AHLQ='BST.C11800' /* Applications High Level Qualifier */
000009 /* Enter the name of the main Libraries for CA Services tools */
000010 /* APF Authorized libraries: \ */
000011 MyAUTULibrary = SHLQ'.CSIQAUTU'
000012 MyAUTHLibrary = SHLQ'.CSIQAUTU'
000013 MyLOADLibrary = SHLQ'.CSIQLoad'
000014 MyLOA2Library = FHLQ'.CSIQLOA2'
000015 /* Non-APF Authorized library: \ */
000016 MyUTILLibrary = FHLQ'.CSIQLOA2'
000017 MyCLS0Library = SHLQ'.CSIQCLS0'
000018 MyCLS2Library = FHLQ'.CSIQCLS2'
000019 MyOPTNLibrary = SHLQ'.CSIQOPTN'
000020 MyOPT2Library = FHLQ'.CSIQOPT2'
000021 MyMENULibrary = SHLQ'.CSIQMENU'

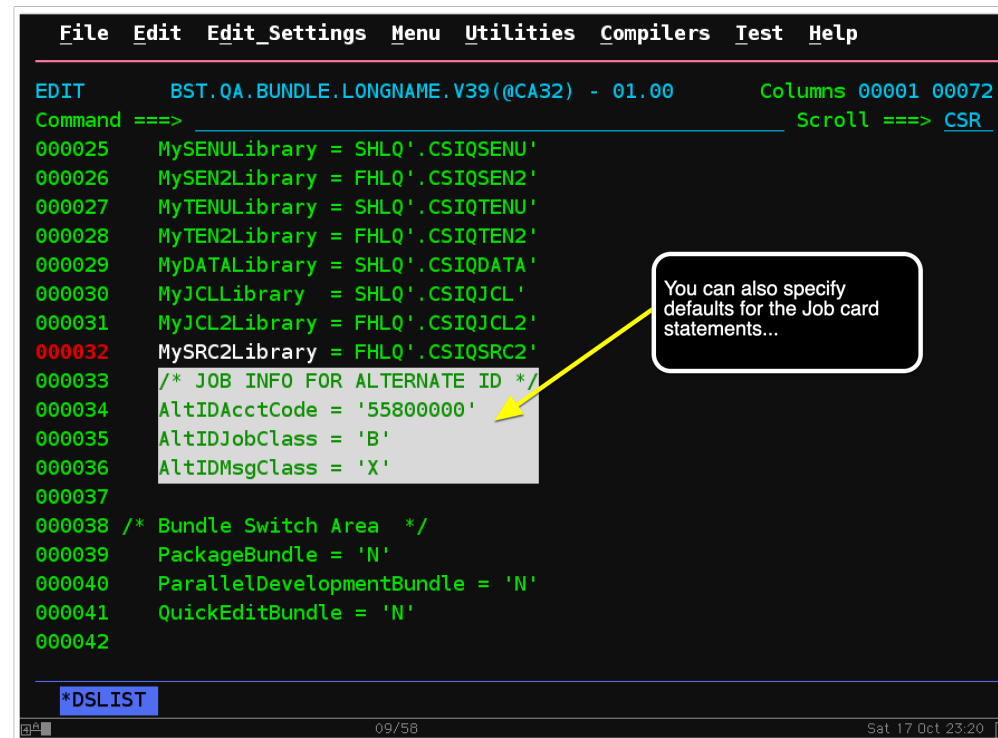
*DSLST
09/30 Sat 17 Oct 23:16
```

Set Job parameters...

If you scroll down a bit you can find override variables for the Job Account code, Job class and Message class.

Then you can hit END to save your changes and proceed to the next step...

Note: The rest of the BUNDLE symbols are not required specifically for LongName and are reserved for future use (mostly with other bundles, for example to automate Package processing, Scheduling etc.) contact Broadcom Services for more information...



The screenshot shows a terminal window with a menu bar at the top: File, Edit, Edit_Settings, Menu, Utilities, Compilers, Test, Help. The main area displays a list of job parameters in a green monospace font. The parameters are as follows:

```
EDIT      BST.QA.BUNDLE.LONGNAME.V39(@CA32) - 01.00      Columns 00001 00072
Command ==> Scroll ==> CSR
000025  MySENULibrary = SHLQ'.CSIQSENU'
000026  MySEN2Library = FHLQ'.CSIQSEN2'
000027  MyTENULibrary = SHLQ'.CSIQTENU'
000028  MyTEN2Library = FHLQ'.CSIQTEN2'
000029  MyDATALibrary = SHLQ'.CSIQDATA'
000030  MyJCLLibrary = SHLQ'.CSIQJCL'
000031  MyJCL2Library = FHLQ'.CSIQJCL2'
000032  MySRC2Library = FHLQ'.CSIQSRC2'
000033  /* JOB INFO FOR ALTERNATE ID */
000034  AltIDAcctCode = '55800000'
000035  AltIDJobClass = 'B'
000036  AltIDMsgClass = 'X'
000037
000038 /* Bundle Switch Area */
000039  PackageBundle = 'N'
000040  ParallelDevelopmentBundle = 'N'
000041  QuickEditBundle = 'N'
000042
```

A yellow arrow points from a callout box to the line `AltIDAcctCode = '55800000'`. The callout box contains the text: "You can also specify defaults for the Job card statements...". At the bottom of the window, there is a status bar with the text `*DSLIST` on the left, `09/58` in the center, and `Sat 17 Oct 23:20` on the right.

Note: to users upgrading from older releases

If you installed an older version of the FDP, you may be missing a "SNAPMON" section in your @<sysid> member (see below for sample) - if this is the case I advise either deleting/renaming any old @<sysid> members and re-executing @@START1, or retrofitting your changes into the delivered @SITE member. To see what's changed, use the compare command e.g. the edit command "**compare (@SITE) x**"

Remember after editing your @<sysid> member be sure to save a local copy so it will be re-used next time.

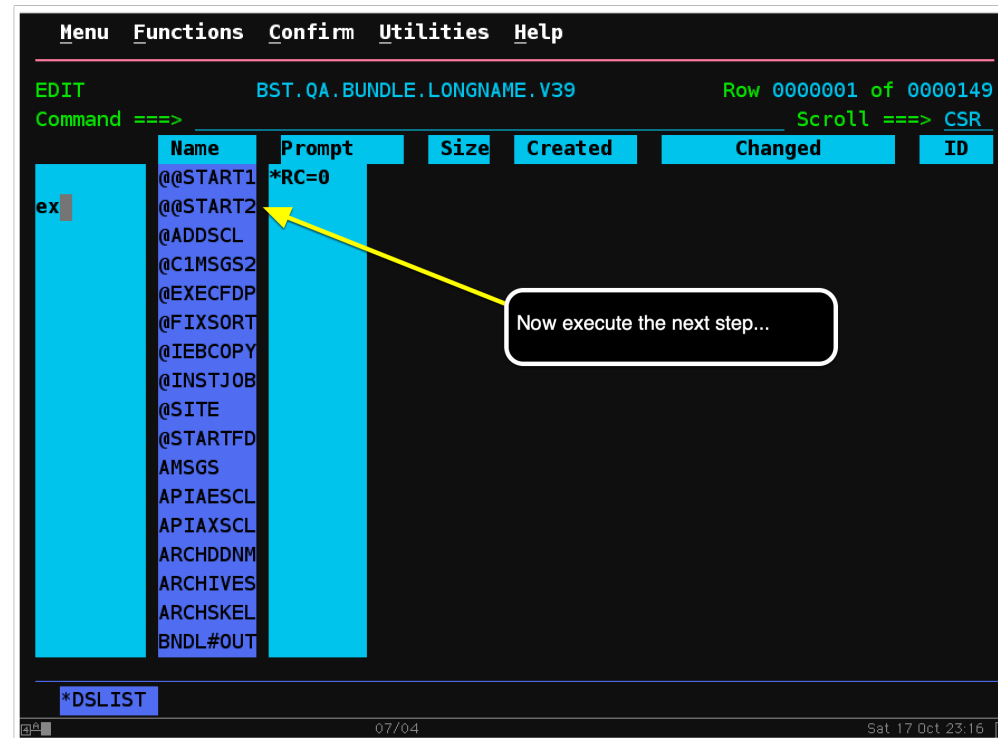
```

File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT      BST.QA.BUNDLE.LONGNAME.V61(@CA31) - 01.00      CHARS 'SnapMon' found
Command ==> Scroll ==> CSR
000123
000124 /*****
000125 /* Required for the SnapMon (Endevor Activity feature: */
000126 /*****
000127 SNAPMOND = "Y,,0,*,*,IS ACTIVE IN SCREEN*,", || ,
000128           "Y,XSYS,0,*,*,CTLIELEM,*,", || ,
000129           "Y,,0,*,LSERVDSN,MF*,", || ,
000130           "Y,,0,*,FDPDSN,"MyCLS2Library",", || ,
000131           "Y,,0,*,FDPDSN,CAIPRODD.NDVR.V170FDP.CSIQPENU,", || ,
000132           "N,,0,*,SYSDSN,"AHLQ"*,", || ,
000133           "Y,,0,*,SYSDSN,"SHLQ".CSIQPLD*,", || ,
000134           "N,,0,*,SYSDSN,SYS7.ENDEVOR.*,", || ,
000135
000136 /*
000137 The SanpMon defaults are set as a single value
000138 that is in effect a comma delimited table.
000139 Each row contains:
000140 * Yes/No Flag to indicate if this line is active
000141 * XSYS value or blank to indicate if XSYS is searched
000142 * Limit (or zero for none) to limit the Enqueues returned
000143 * Resource fliter (or * for all)
000144 * Queue Name (or * for all)
000145 * Resource Name (or * for all)
000146
000147 The default entries include ENQueue searches for the
000148 Endevor ISPF sessions, Element enqueue (CTLIELEM),
000149 L-Serv enqueue (used by Endevor to searliaise L-Serv access)

```

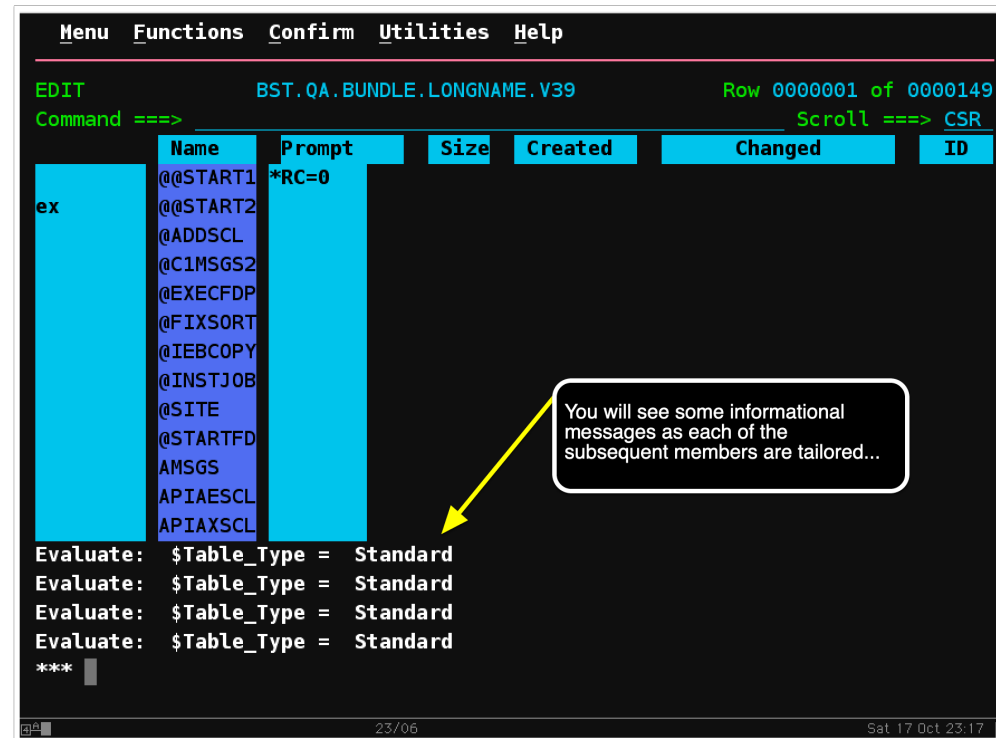
Execute @@START2

From the member list enter the EXecute command for the next member...



...files are tailored...

This will tailor the remaining steps using the values you just provided in the @SITE member...



The screenshot shows the LongName Utility FDP interface. At the top, there is a menu bar with 'Menu', 'Functions', 'Confirm', 'Utilities', and 'Help'. Below the menu bar, the text 'EDIT' is displayed in green, followed by 'BST.QA.BUNDLE.LONGNAME.V39' in cyan. To the right, it says 'Row 0000001 of 0000149' in green. Below this, 'Command ==>' is in green, and 'Scroll ==> CSR' is in cyan. A table with the following columns is displayed: Name, Prompt, Size, Created, Changed, and ID. The table contains the following rows:

Name	Prompt	Size	Created	Changed	ID
@@@START1	*RC=0				
@@@START2					
@ADDSC					
@C1MSG2					
@EXECFD					
@FIXSOR					
@IEBCO					
@INSTJ					
@SITE					
@STARTF					
AMSGS					
APIAESCL					
APIAXSCL					

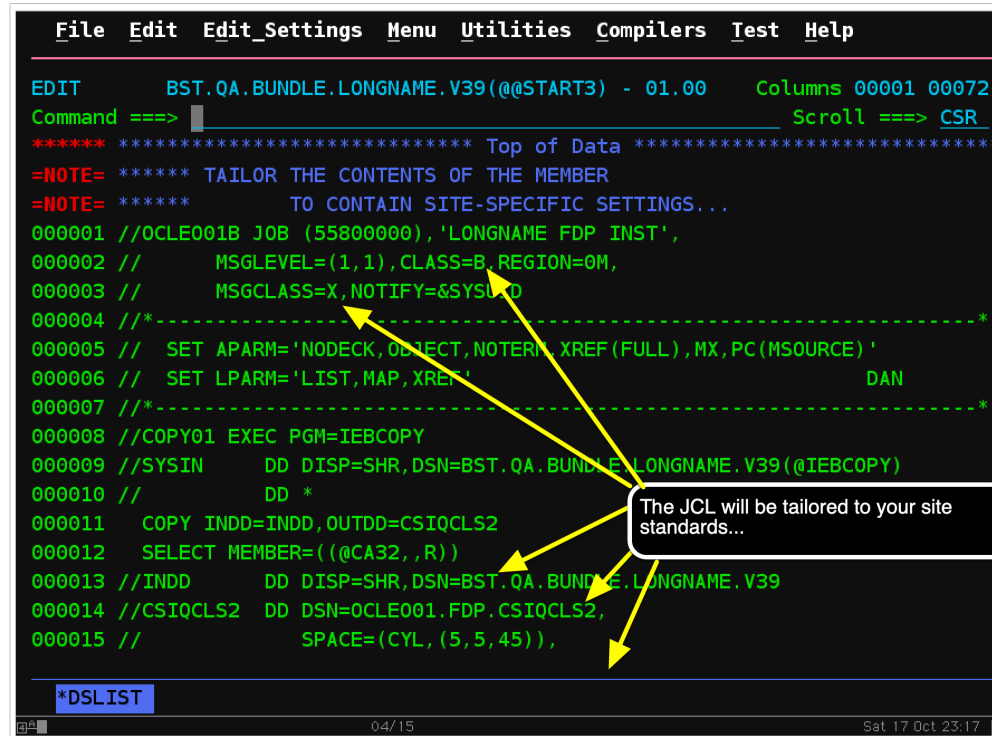
Below the table, the following text is displayed:

```
Evaluate: $Table_Type = Standard
Evaluate: $Table_Type = Standard
Evaluate: $Table_Type = Standard
Evaluate: $Table_Type = Standard
***
```

A yellow arrow points from a callout box to the table. The callout box contains the text: 'You will see some informational messages as each of the subsequent members are tailored...'

Edit @@START3 JCL

You will be brought into edit mode for the main install job with all the tailoring complete and the job should be ready to run.



```
File Edit Edit_Settings Menu Utilities Compilers Test Help

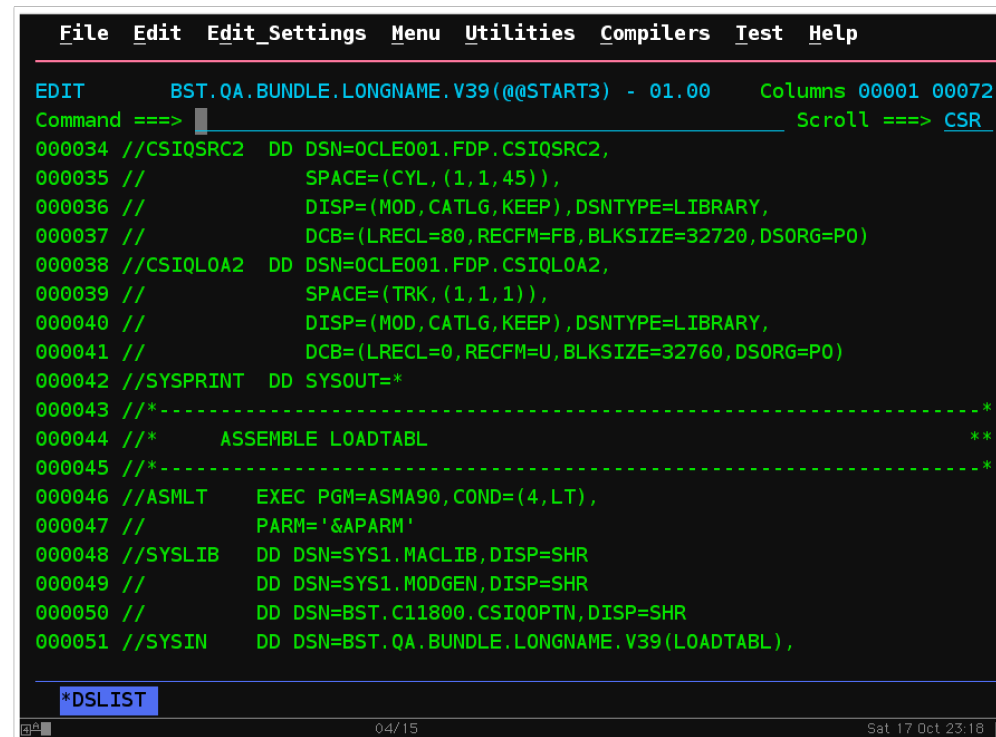
EDIT      BST.QA.BUNDLE.LONGNAME.V39(@@START3) - 01.00    Columns 00001 00072
Command ==>                                     Scroll ==> CSR
***** ***** Top of Data *****
=NOTE= ***** TAILOR THE CONTENTS OF THE MEMBER
=NOTE= ***** TO CONTAIN SITE-SPECIFIC SETTINGS...
000001 //OCLE001B JOB (55800000), 'LONGNAME FDP INST',
000002 //      MSGLEVEL=(1,1), CLASS=B, REGION=0M,
000003 //      MSGCLASS=X, NOTIFY=&SYSUD
000004 //*-----*
000005 // SET APARM='NODECK, OBJECT, NOTER, XREF(FULL), MX, PC(MSOURCE)'
000006 // SET LPARM='LIST, MAP, XREF' DAN
000007 //*-----*
000008 //COPY01 EXEC PGM=IEBCOPY
000009 //SYSIN DD DISP=SHR, DSN=BST.QA.BUNDLE.LONGNAME.V39(@IEBCOPY)
000010 // DD *
000011 COPY INDD=INDD, OUTDD=CSIQCLS2
000012 SELECT MEMBER=((@CA32, R))
000013 //INDD DD DISP=SHR, DSN=BST.QA.BUNDLE.LONGNAME.V39
000014 //CSIQCLS2 DD DSN=OCLE001.FDP.CSIQCLS2,
000015 //      SPACE=(CYL,(5,5,45)),
*DSLST

04/15 Sat 17 Oct 23:17
```

Edit as (if) necessary

The first step will allocate the target FDP libraries and copy the members into them, the remaining steps will assemble and link the assembler helper routines used by LongName.

You can tailor this job as needed to your site standards, but ideally all edits should be completed automatically using the values you specified in the @SITE member. If you spot anything wrong, you can exit, and re-execute the @@START1 and @@START2 members to re-tailor your @SITE member and try again - or just manually edit that job as needed. However, the advantage of getting your @SITE member correct is that it can be re-used next time if there are new versions of this or other FDP Bundles



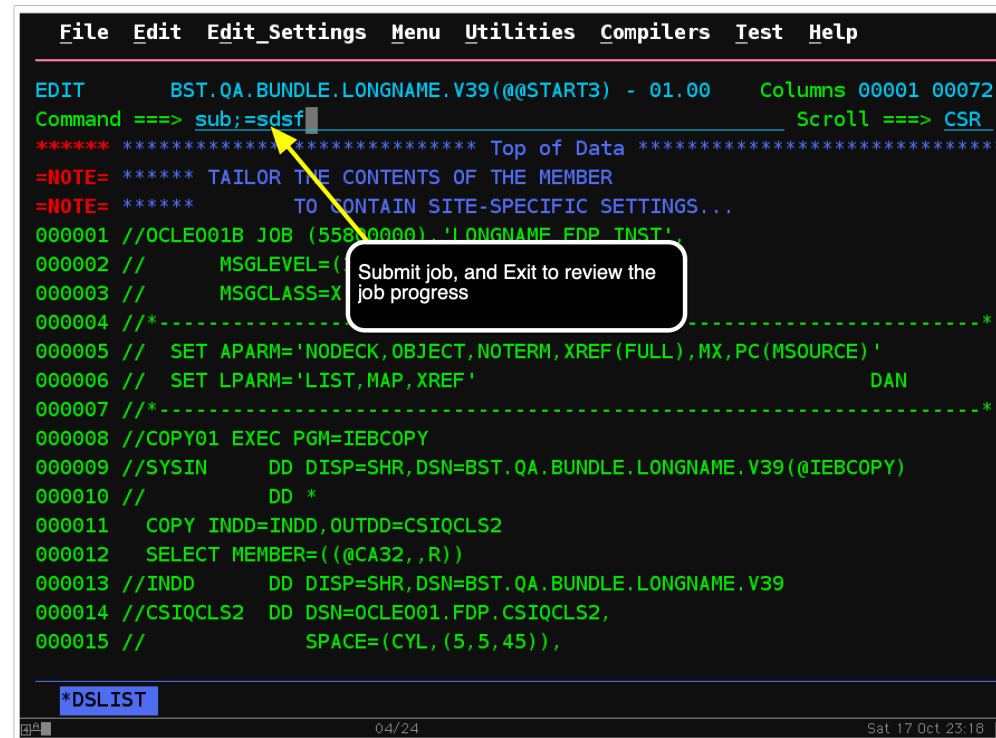
```

File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT      BST.QA.BUNDLE.LONGNAME.V39(@@START3) - 01.00  Columns 00001 00072
Command ==> Scroll ==> CSR
000034 //CSIQSRC2 DD DSN=OCLE001.FDP.CSIQSRC2,
000035 //          SPACE=(CYL,(1,1,45)),
000036 //          DISP=(MOD,CATLG,KEEP),DSNTYPE=LIBRARY,
000037 //          DCB=(LRECL=80,RECFM=FB,BLKSIZE=32720,DSORG=PO)
000038 //CSIQLOA2 DD DSN=OCLE001.FDP.CSIQLOA2,
000039 //          SPACE=(TRK,(1,1,1)),
000040 //          DISP=(MOD,CATLG,KEEP),DSNTYPE=LIBRARY,
000041 //          DCB=(LRECL=0,RECFM=U,BLKSIZE=32760,DSORG=PO)
000042 //SYSPRINT DD SYSOUT=*
000043 //*-----*
000044 //*      ASSEMBLE LOADTABL      **
000045 //*-----*
000046 //ASMLT   EXEC PGM=ASMA90,COND=(4,LT),
000047 //        PARM='&APARM'
000048 //SYSLIB  DD DSN=SYS1.MACLIB,DISP=SHR
000049 //        DD DSN=SYS1.MODGEN,DISP=SHR
000050 //        DD DSN=BST.C11800.CSIQOPTN,DISP=SHR
000051 //SYSIN   DD DSN=BST.QA.BUNDLE.LONGNAME.V39(LOADTABL),
*DSLIST
04/15 Sat 17 Oct 23:18

```

Submit @@START3

When you are happy, submit the job to run, and then exit Edit mode to free up the received dataset (otherwise your job may sit waiting for datasets)



```
File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT      BST.QA.BUNDLE.LONGNAME.V39(@@START3) - 01.00  Columns 00001 00072
Command ==> sub;=sdsf  Scroll ==> CSR
***** ***** Top of Data *****
=NOTE= ***** TAILOR THE CONTENTS OF THE MEMBER
=NOTE= ***** TO CONTAIN SITE-SPECIFIC SETTINGS...
000001 //OCLE001B JOB (5580000) 'LONGNAME FDP INST'
000002 //      MSGLEVEL=(
000003 //      MSGCLASS=X
000004 //*-----*
000005 //  SET APARM='NODECK,OBJECT,NOTERM,XREF(FULL),MX,PC(MSOURCE)'
000006 //  SET LPARM='LIST,MAP,XREF'                                DAN
000007 //*-----*
000008 //COPY01 EXEC PGM=IEBCOPY
000009 //SYSIN      DD DISP=SHR,DSN=BST.QA.BUNDLE.LONGNAME.V39(@IEBCOPY)
000010 //              DD *
000011 COPY INDD=INDD,OUTDD=CSIQCLS2
000012 SELECT MEMBER=((@CA32,,R))
000013 //INDD        DD DISP=SHR,DSN=BST.QA.BUNDLE.LONGNAME.V39
000014 //CSIQCLS2     DD DSN=OCLE001.FDP.CSIQCLS2,
000015 //              SPACE=(CYL,(5,5,45)),
*DSLST
04/24 Sat 17 Oct 23:18
```

Note: For users with multiple LPARs

If you execute the FDP on multiple LPARS - you may need custom versions of the @<SYSID> members, one for each LPAR. The @@START3 job is now enhanced to make extra copies of the 'current' @<sysid> member (@CA32) in this example below... simply uncomment the extra copy, select member lines and update the "target @<sysid> member names" (CA11, CA31, CA32, XAD1 in the example below)

```

File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT BST.QA.BUNDLE.LONGNAME.V61(@@START3) - 01.00 Columns 00001 00072
Command ==> Scroll ==> CSR
***** Top of Data *****
=NOTE= ***** Tailor the contents of the member *****
=NOTE= ***** to contain Site-Specific settings... *****
000001 //OCLE001B JOB (10840000), 'LONGNAME FDP INST',
000002 // MSGLEVEL=(1,1),CLASS=B,REGION=0M,
000003 // MSGCLASS=X,NOTIFY=&SYSUID
000004 // *-----*
000005 // SET APARM='DECK,NOOBJECT,NOTERM,XREF(FULL),MX,PC(MSOURCE)'
000006 // SET LPARM='LIST,MAP,XREF' DAN
000007 // *-----*
000008 //COPY01 EXEC PGM=IEBCOPY
000009 //SYSIN DD DISP=SHR,DSN=BST.QA.BUNDLE.LONGNAME.V61(@IEBCOPY)
000010 // DD *
000011 // COPY INDD=INDD,OUTDD=CSIQCLS2
000012 // SELECT MEMBER=((@CA32,@CA32,R))
000013 *
000014 * NOTE: If these FDP utilities might be executed on multiple LPARs
000015 * Uncomment/edit the following lines to create extra copies of
000016 * @CA32 to match all your LPAR names
000017 *
000018 * COPY INDD=INDD,OUTDD=CSIQCLS2
000019 * SELECT MEMBER=((@CA32,@CA11,R))
000020 * COPY INDD=INDD,OUTDD=CSIQCLS2
000021 * SELECT MEMBER=((@CA32,@CA31,R))
000022 * COPY INDD=INDD,OUTDD=CSIQCLS2
000023 * SELECT MEMBER=((@CA32,@CA32,R))
000024 * COPY INDD=INDD,OUTDD=CSIQCLS2
000025 * SELECT MEMBER=((@CA32,@XAD1,R))
000026 // INDD DD DISP=SHR,DSN=BST.QA.BUNDLE.LONGNAME.V61
000027 // CSIQCLS2 DD DSN=BST.QA.BERNIE.CSIQCLS0,
000028 // SPACE=(CYL,(5,5,45)),
000029 // DISP=(MOD,CATLG,KEEP),DSNTYPE=LIBRARY,
000030 // DCB=(LRECL=80,RECFM=FB,BLKSIZE=32720,DSORG=PO)
000031 // CSIQMEN2 DD
000032 // DISP=(MOD,CATLG,KEEP),DSNTYPE=LIBRARY,
000033 // DCB=(LRECL=80,RECFM=FB,BLKSIZE=32720,DSORG=PO)
000034 //
*DSL IST

```

Check Job completed ok...

Allow your job to complete (by pressing ENTER as fast as you can (or just go and make a cup of tea...))

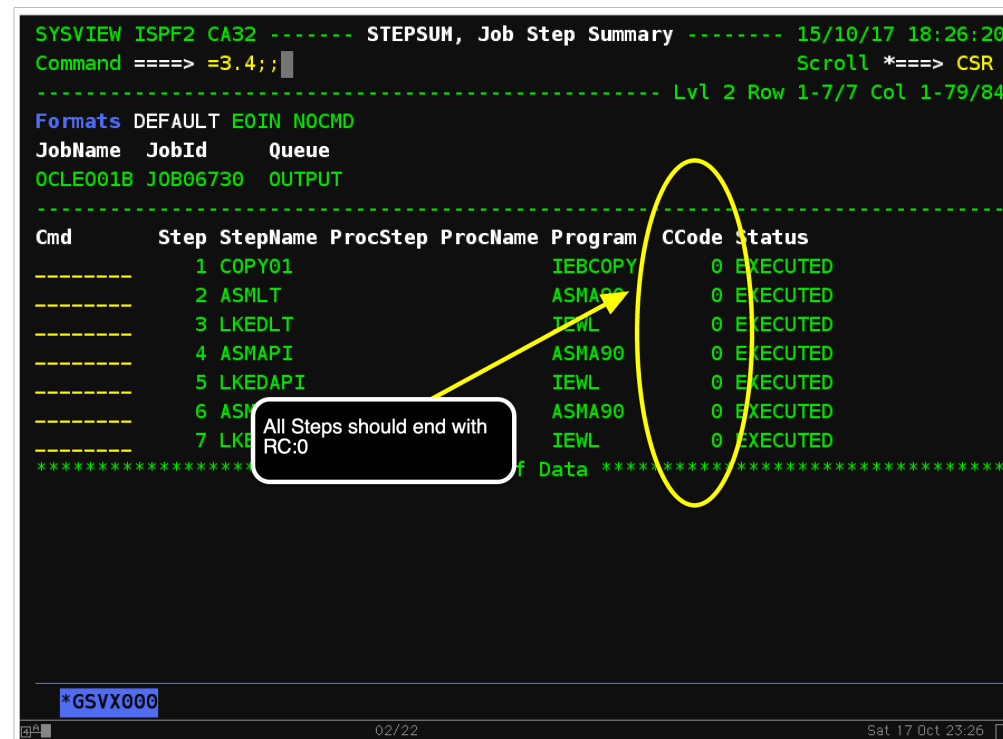
No kidding, it doesn't take that long...

```
SYSVIEW ISPF2 CA32 ----- JOBSUM.DETAIL, Job Status ----- 15/10/17 18:25:58
Command =====> Scroll *====> CSR
----- Lvl 1 Row 1-2/2 Col 1-79/563
Formats DEFAULT E0IN E0IN2 E0IN3 PTFS SPOOL
Status SRT NoLIM NoSEL NoDST NoPFX NoOWN NoUPD NoPRT NoCAP
Spool space used 0.01%
-----
ALL OCLE001*
Cmd Queue Jobname JobNr Programmer CCode Stat Esys Po Type
.....10.....20.....30.....40.....50.....60.....70.....
-- EXEC+ OCLE001B 6730 LONGNAME FDP INST CA11 JOB
-- EXEC+ OCLE001 6703 CA32 TSU
***** End of Data *****
*GSVX000
11/02 Sat 17 Oct 23:26
```

Check Job Return Code

All steps should end with RC:0

The most common errors will be a typo in one of the dataset names or perhaps some extra parameters that you need to specify when allocating new libraries (mgmtclas, or storclas, or maybe unit and vol=ser= info if you don't have SMS or CA Disk...



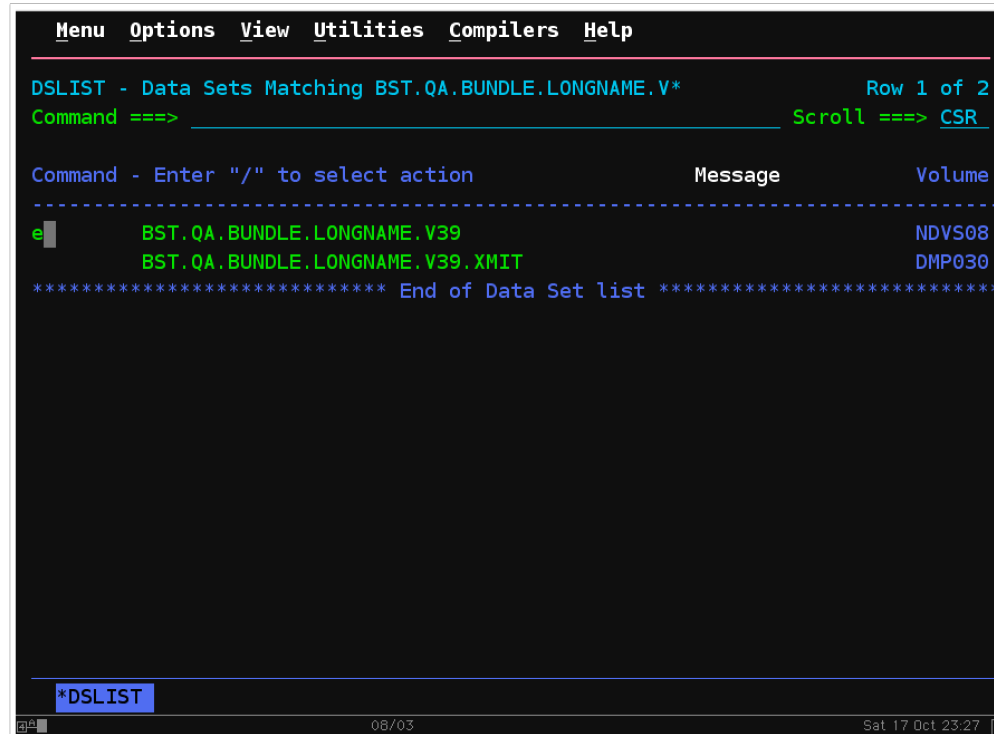
```
SYSVIEW ISPF2 CA32 ----- STEPSUM, Job Step Summary ----- 15/10/17 18:26:20
Command =====> =3.4;; Scroll *====> CSR
----- Lvl 2 Row 1-7/7 Col 1-79/84
Formats DEFAULT EOIN NOCMD
JobName JobId Queue
OCLE001B JOB06730 OUTPUT
-----
Cmd      Step StepName ProcStep ProcName Program CCode Status
-----
1 COPY01                                IEBCOPY      0 EXECUTED
2 ASMLT                                ASMA90      0 EXECUTED
3 LKEDLT                                IEWL        0 EXECUTED
4 ASMAPI                                ASMA90      0 EXECUTED
5 LKEDAPI                               IEWL        0 EXECUTED
6 ASMAPI                                ASMA90      0 EXECUTED
7 LKEDAPI                               IEWL        0 EXECUTED
***** f Data *****
*GSVX000
02/22 Sat 17 Oct 23:26
```

All Steps should end with RC:0

Return to Edit...

Return to the unpacked installation job

You should find some extra @@STARTn members ready and waiting to complete the process...



```
Menu Options View Utilities Compilers Help
-----
DSLIST - Data Sets Matching BST.QA.BUNDLE.LONGNAME.V*          Row 1 of 2
Command ==> _____ Scroll ==> CSR

Command - Enter "/" to select action          Message          Volume
-----
e BST.QA.BUNDLE.LONGNAME.V39                      NDVS08
  BST.QA.BUNDLE.LONGNAME.V39.XMIT                  DMP030
***** End of Data Set list *****

*DSLIST
08/03 Sat 17 Oct 23:27
```

Execute @@START4

The final step is to execute the Initial Program Verification (IVP)

Executing the @@START4 member will execute a sample startup Rexx that performs LIBDEF and ALTLIB activates for the FDP libraries placing these libraries ahead of the standard Endeavor ones... You may either use this template ...CSIQCLS2(STARTFDP) or create new QuickEdit, Endeavor and LongName startup commands in line with your sites standards.

Hint: if you decide to create your own startup commands, I recommend you start with your *existing* QuickEdit startup clist and create a new version adding the FDP libraries ahead of the standard libraries (use the sample Rexx; STARTFDP as a guide) remembering to include a libdef for ISPLLIB pointing to your *MyLoa2Library* (which you may not have needed before). This will allow you to start QuickEdit with WideScreen, ECols, CompElm, and ESrchfor support. Then create a new LongStrt startup clist based on this one that simply replaces the select 'PGM(ENDIE000) NOCHECK PASSLIB' with select 'CMD(%LONGNAME) PASSLIB' to invoke the LongName Rexx instead.

```
Menu  Functions  Confirm  Utilities  Help
EDIT          BST.QA.BUNDLE.LONGNAME.V61          Row 00000001 of 0000211
Command ==>                                     Scroll ==> CSR
ex
Name      Prompt      Size      Created      Changed      ID
@@START1
@@START2
@@START3
@@START4
@ADDSCS
@CA31
@C1MSGGS2
@EXECFDP
@IEBCOPY
@INSTJOB
@SITE
@STARTFD
AMSGS
APIAESCL
APIAXSCL
ARCHDDNM
ARCHIVES
ARCHSKEL
BNDL#OUT
BNDL@SCL
BNDLMACR
BNDLSITE
CIUU02
COLMEYES
CTLIENDQ
*DSL
```

Congratulations!

If you see the new FDP launch menu, the installation is successful, and you can now launch Endeavor, QuickEdit, the LongName utility with the FDP enhancements.

This menu also provides handy access to the User Menu, PDM, ASCM and Batch Reports menus as well, and a new option; SNAPMON to see what your Endeavor users are up to.

Choose option 'L' to launch the LongName utility (or double click) the option in the list (point n'click)...

```
----- Endeavor Field Developed Program (FDP) ----- Enter option
COMMAND ===> L

E Endeavor      - Classic ENDEVOR
Q QuickEdit     - Quick Edit (with WideScreen & ESrchfor)
L LongName      - LongName utility (Prototype)
P PDM           - Parallel Development Manager
A ACMQ          - Perform ACM Where-Used / Uses-What Queries
U User          - Display user option menu
R Reports       - Build Report Requests
S Activity      - Endeavor Activity Display

Note: The Field Developed Program (FDP) are provided by CA Technologies
      "ASIS" to allow users to evaluate new or prototype features and
      is subject to change or withdrawal by CA at any time without
      notice. The development, release and timing of any features or
      functions demonstrated here remain at CA's sole discretion.

      Please provide feedback, at http://communities.ca.com

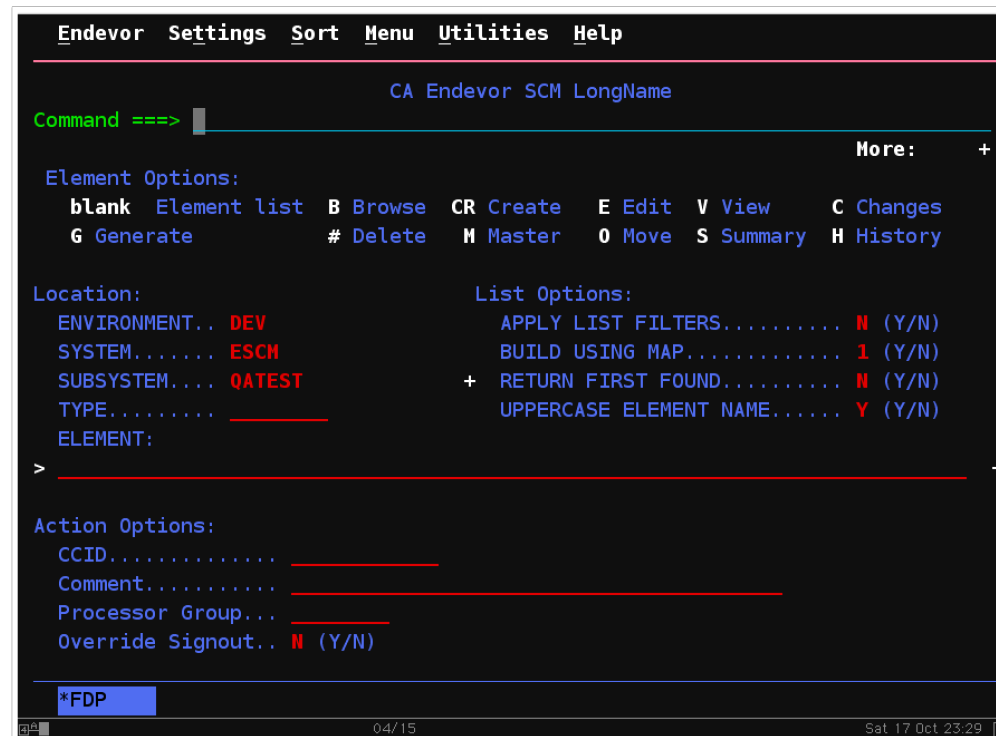
Copyright (C) 1986-2015 CA. All Rights Reserved.

Use the EXIT option to terminate

*FDP
```

LongName Utility

You should now see the LongName utility panel - go ahead and explore the Help menu, option 'C' for changes and a cheat sheet for all of the prototype features that you would like to review - don't forget to visit <https://community.broadcom.com/mainframesoftware/communities/community-home/digestviewer?communitykey=592eb6c9-73f7-460f-9aa9-e5194cdafcd2&tab=digestviewer> to provide feedback on the features that you like most, and to help Broadcom determine which features you would like prioritised for consideration in the next incremental or release, or to suggest your own enhancements.

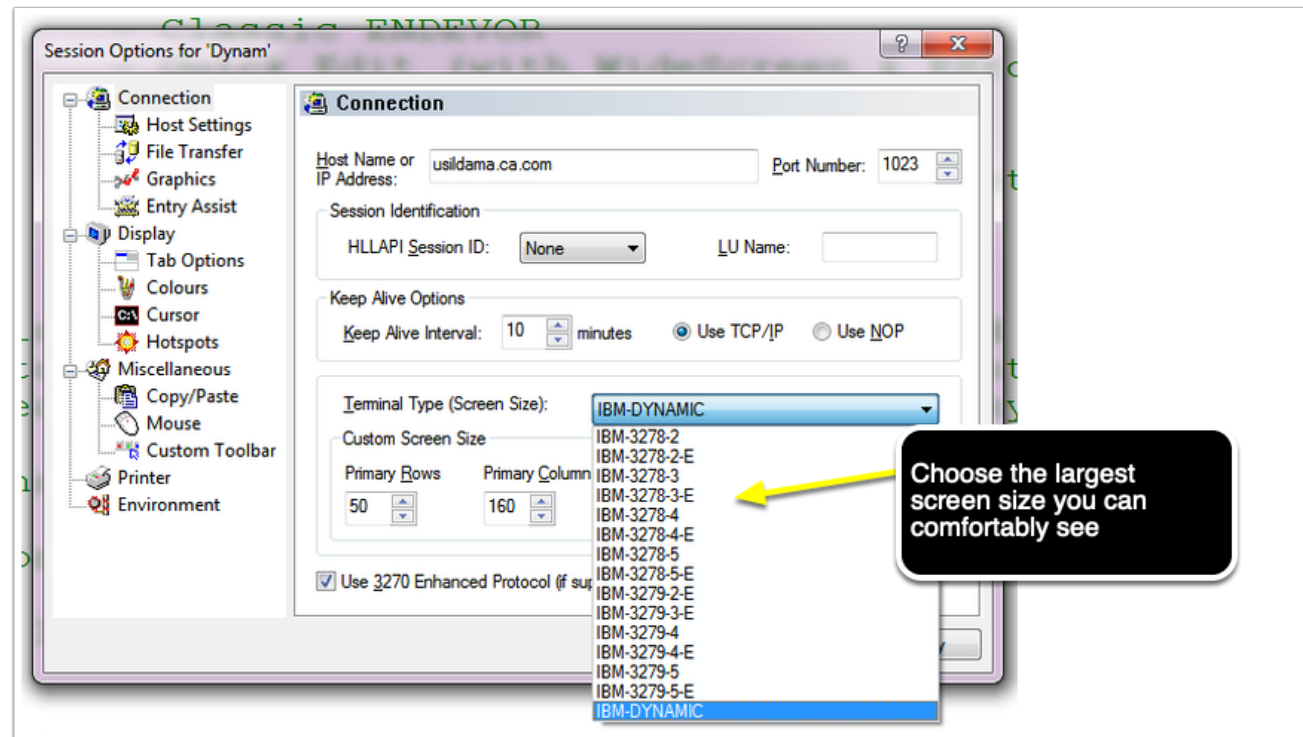


The screenshot displays the LongName utility interface with the following components:

- Menu Bar:** Endeavor, Settings, Sort, Menu, Utilities, Help
- Header:** CA Endeavor SCM LongName
- Command Line:** Command ==> []
- More:** +
- Element Options:**
 - blank Element list B Browse CR Create E Edit V View C Changes
 - G Generate # Delete M Master O Move S Summary H History
- Location:**
 - ENVIRONMENT.. DEV
 - SYSTEM..... ESCH
 - SUBSYSTEM.... QATEST
 - TYPE..... []
- List Options:**
 - APPLY LIST FILTERS..... N (Y/N)
 - BUILD USING MAP..... 1 (Y/N)
 - + RETURN FIRST FOUND..... N (Y/N)
 - UPPERCASE ELEMENT NAME..... Y (Y/N)
- ELEMENT:**
 - > [] +
- Action Options:**
 - CCID..... []
 - Comment..... []
 - Processor Group... []
 - Override Signout.. N (Y/N)
- *FDP**
- Status Bar:** 04/15 Sat 17 Oct 23:29

Enable WideScreen support (optional)

To get the best out of the LongName and WideScreen enhancements it's recommended you use screen sizes greater than 24x80 (Model2) or 43x80 (Model4) so you can see more columns and more data. Ideally you can adjust your emulator settings to select the IBM DYNAMIC mode and specify a screen size that works for you - I find 42x122 is a good compromise on smaller screens or projectors, and 50x160 when using a reasonable external monitor. The exact method will depend on your emulator, and possibly your session manager, but in general you need to find the option that controls the emulation options - where you may see options like Model 2/3/4/5 and Dynamic, but even if the highest width you can easily try is the model 5 (27x132) give that a try and see how it works for you.



Logon with the appropriate Screen Size/LOGMODE

Even if you don't have access to a WideScreen emulation you can still use the ECols command to adjust the column widths, colours etc. maybe you can save some space by using narrower columns, or even hiding columns, that you don't need.

Note: To support Dynamic screen sizes you may need to consult with your systems folks to select the appropriate Logmode or you can try the default IBM one, perhaps a logon command like this;

`LOGON APPLID(TSO) LOGMODE(D4C32XX3) DATA(<userid>)`

Which you could add to your Emulation start up command or macro.

