



## **Customizing a new queue manager on IBM MQ for z/OS**

Audience level: Some knowledge of MQ or z/OS

Skillset: z/OS Systems Programming, MQ Administration

### **Background:**

Every time a new release of IBM MQ for z/OS is installed, you have the opportunity to create or migrate a new queue manager with the latest capabilities of the IBM MQ release. We will go through the process of creating a new queue manager with IBM MQ for z/OS 9.3.3. IBM MQ for z/OS has been installed on the environment before the lab, so that will installation process will not be in scope of today's lab.

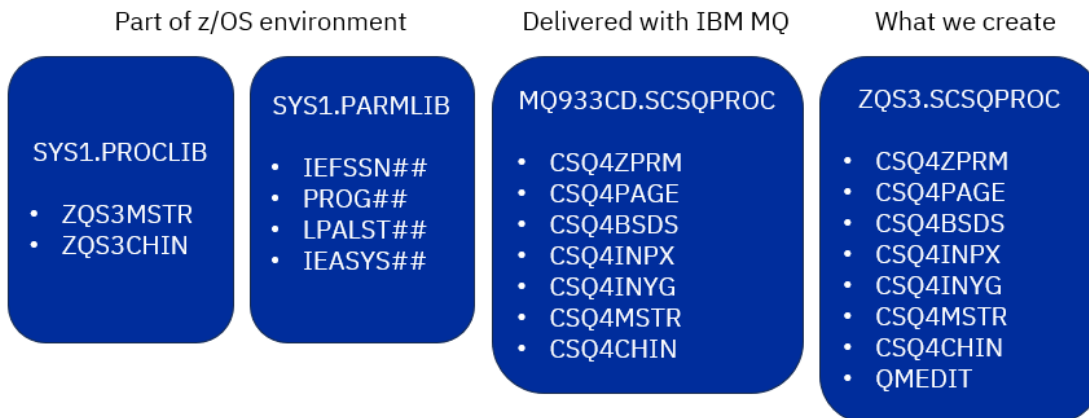
To start a new queue manager, JCL procedures need to be copied to a system JCL procedure library and the new queue manager subsystem needs to be defined to MVS.

### **Overview of exercise:**

What needs to be done here:

- 1) Copy and tailor the sample JCL. Each of these members comes pre-canned in the IBM MQ installation. What your task is as an administrator is to customize these for your specific need.
- 2) Dynamically add MQ subsystem to MVS
- 3) Define subsystem security
- 4) Start the queue manager and channel initiator

### **What we're using:**



## Lab begin:

- We will start with copying the members from the IBM MQ code installation. All the IBM MQ installation will be under the high level qualifier MQ933CD. We are only interested in the sample code here, under SCSQPROC. (\*) specifies we want all the members in the SCSQPROC dataset.

```

MUDL Sysplex - [44 x 80]
File Edit Settings View Communication Actions Window Help
PrtScr Copy Paste Send Recv Display Color Map Record Stop Play Quit Support Index

Menu RefList Utilities Help

Move/Copy Utility Enter required field
More: +

C Copy data set or member(s) CP Copy and print
M Move data set or member(s) MP Move and print

Specify "From" Data Set below, then press Enter key

From ISPF Library:
Project . . . (--- Options C and CP only ---)
Group . . .
Type . . .
Member . . . (Blank or pattern for member list,
               "*" for all members)

From Other Partitioned or Sequential Data Set:
Name . . . 'MQ933CD.SCSQPROC(*)'
Option ==> C
F1=Help F2=Split F3=Exit F7=Backward F8=Forward F9=Swap
F10=Actions F12=Cancel

Menu Functions Confirm Utilities Help
Command ==> Scroll ==> PAGE
19/015

```

- We are making a new queue manager called ZQS3, so we want the new dataset to be referenceable by the high-level qualifier ZQS3. Hit enter.

```

Menu RefList Utilities Help
COPY      From MQ933CD.SCSQPROC(*)
More:      +
Specify "To" Data Set Below

To ISPF Library:
Project   . . .
Group     . . .
Type      . . .

Options:
Enter "/" to select option
_ Replace like-named members
/ Process member aliases

To Other Partitioned or Sequential Data Set:
Name      . . . 'ZQS3.SCSQPROC'
Volume Serial . . . (If not cataloged)

Data Set Password . . . (If password protected)

To Data Set Options:
Command ==>
F1=Help    F2=Split    F3=Exit    F7=Backward F8=Forward F9=Swap
F10=Actions F12=Cancel

Menu Functions Confirm Utilities Help
Command ==> Scroll ==> PAGE

```

- Type a '1' next to option 1. We want the new dataset to have the attribute of MQ933CD.SCSQPROC. Hit enter.

```

Allocate Target Data Set
More:      +
Specified data set ZQS3.SCSQPROC
does not exist.
If you wish to allocate this data set, select one of the options
below.

Allocation Options:
1 1. Allocate using the attributes of:
   MQ933CD.SCSQPROC
2. Specify allocation attributes

_ Use existing SMS attributes for option 1

Instructions:
Command ==>
F1=Help    F2=Split    F3=Exit    F7=Backward F8=Forward
F9=Swap    F12=Cancel

```

- In the top right corner, you should see z/OS confirm that 113 members have been copied to the new dataset you created ZQS3.SCSQPROC. Great! We just need one more thing before we can customize. We are going to steal it from already-existing queue manager ZQS2 in this instance.

```

Menu RefList Utilities Help
Move/Copy Utility 113 member(s) copied
More: +
C Copy data set or member(s) CP Copy and print
M Move data set or member(s) MP Move and print

Specify "From" Data Set below, then press Enter key

From ISPF Library:
Project . . . (--- Options C and CP only ---)
Group . . .
Type . . .
Member . . . (Blank or pattern for member list,
               "*" for all members)

From Other Partitioned or Sequential Data Set:
Name . . . 'ZQS2.SCSQPROC(QMEDIT)'
Option ==> C
F1=Help F2=Split F3=Exit F7=Backward F8=Forward F9=Swap
F10=Actions F12=Cancel

Menu Functions Confirm Utilities Help
Command ==> Scroll ==> PAGE

```

- QMEDIT is a REXX EXEC that will help us customize our sample code efficiently. We want to name it QMEDIT under our ZQS3 dataset as well. Hit enter and you should see in the top right corner, 'QMEDIT copied'.

```

Menu RefList Utilities Help
COPY From ZQS2.SCSQPROC(QMEDIT) More: +
Specify "To" Data Set Below

To ISPF Library: Options:
Project . . . Enter "/" to select option
Group . . . Replace like-named members
Type . . . / Process member aliases
Member . . . (Blank unless member is to be renamed)

To Other Partitioned or Sequential Data Set:
Name . . . 'ZQS3.SCSQPROC(QMEDIT)'
Volume Serial . . . (If not cataloged)

Data Set Password . . . (If password protected)

Command ==>
F1=Help F2=Split F3=Exit F7=Backward F8=Forward F9=Swap
F10=Actions F12=Cancel

Menu Functions Confirm Utilities Help
Command ==> Scroll ==> PAGE

```

- Now, from the ISPF main screen, if we enter '=3.4' into the command line and hit enter. We should be able to navigate to our newly created dataset. Copy the below screen and hit enter.

```

Menu  Reverse  Remove  Utilities  Help
-----
Data Set List Utility
More:  +

blank Display data set list      P Print data set list
V Display VTOC information      PV Print VTOC information

Enter one or both of the parameters below:
Dsname Level . . . ZQS3.SCSQPROC
Volume serial . . .

Data set list options
Initial View
1 1. Volume
2 2. Space
3 3. Attr1b
4 4. Total

Enter "/" to select option
/ Confirm Data Set Delete
/ Confirm Member Delete
/ Include Additional Qualifiers
/ Display Catalog Name
- Display Total Tracks

Option ==>
F1=Help      F2=Split      F3=Exit      F7=Backward  F8=Forward  F9=Swap
F10=Actions  F12=Cancel

Menu  Functions  Confirm  Utilities  Help

```

- Browse the dataset by entering a 'b' to the left of the dataset name and hit enter.

```

Menu  Options  View  Utilities  Compilers  Help
-----
DSLIST - Data Sets Matching ZQS3.SCSQPROC      Row 1 of 1
Command - Enter "/" to select action      Message      Volume
-----
B_ ZQS3.SCSQPROC      MQ1P00
***** End of Data Set list *****

```

- We will need to customize the following members of the dataset to effectively create a new queue manager:

CSQ4ZPRM	<b>Creates the queue manager initiation attributes</b>
CSQ4INYG	Commands to define objects that are normally required
CSQ4INPX	Sample commands related to the channel initiator
CSQ4CHIN	Sample Channel Initiator JCL procedure
CSQ4MSTR	Sample Queue Manager JCL procedure
CSQ4BSDS	Creates bootstrap data sets
CSQ4PAGE	Creates page sets for QM storage

- Instead of manually customizing each of these, we will use our QMEDIT to help us customize quickly. Use 'F8' to navigate down to QMEDIT from the list of members in ZQS3.SCSQPROC. Place a 'e' to the left of QMEDIT and hit enter.

```

BROWSE          ZQS3.SCSQPROC          Row 0000105 of 0000114
          Name      Prompt      Size      Created      Changed      ID
-----
          CSQ45RQM
          CSQ45RQS
          CSQ45STB
          CSQ45VER
          CSQ7IPCS
          IMQSGETR
          IMQSPUTR
          IMQWRLDR
          IMQ4B100
          e_QMEDIT          488    2024/01/11    2024/01/18 00:32:34 DQUINCY
          **End**

```

- Once inside QMEDIT, look through the code and see what the code is customizing. Since this was last used for ZQS2, you will see ZQS2 mentioned a lot. We need to change that.
- Enter the command 'C 'ZQS2' 'ZQS3' ALL' on the command line and hit enter.

```

EDIT          ZQS3.SCSQPROC(QMEDIT) - 01.05          Columns 00001 00072
000073 "change '++VOLBDS1++' 'V1BDS' all"
000074 "change '++VOLBDS2++' 'V2BDS' all"
000075 "change '++VOLLOG1A++' 'V1LOGA' all"
000076 "change '++VOLLOG1B++' 'V1LOGB' all"
000077 "change '++VOLLOG2A++' 'V1LOGC' all"
000078 "change '++VOLLOG2B++' 'V1LOGD' all"
000079 /* **** CSQ4BVAR CHANGES **** */
000080 "change '++QMGR++' 'ZQS2' all"
000081 "change '++QUEUE++' 'TEST.QUEUE.LOCAL' all"
000082 "change '++USERLIB++' 'MY.LOADLIB' all" /* Optional */
000083 /* **** CSQ4BVAR CHANGES **** */
000084 "change '++QMGR++' 'ZQS2' all"
000085 "change '++QUEUE++' 'TEST.QUEUE.LOCAL' all"
000086 "change '++MSG++' '100' all" /* Messages to put and get */
000087 "change '++PAD++' '&' all" /* Padding character */
Command ==> C 'ZQS2' 'ZQS3' ALL          Scroll ==> PAGE
F1=Help      F2=Split      F3=Exit      F4=Expand      F5=Rfind      F6=Rchange
F7=Up        F8=Down      F9=Swap      F10=Left      F11=Right     F12=Cancel
Menu  Functions  Confirm  Utilities  Help

```

- Now, our REXX exec should be ready to use because it has the correct version of MQ specified, our desired queue manager name, our desired storage areas, and English. Each of those things need to be specified from the original sample code.
- We need to activate the QMEDIT code to be able to go through our relevant members and customize them quickly. Return to the ISPF main menu and enter option 6. Enter this command:

```

Menu  List  Mode  Functions  Utilities  Help
-----
ISPF Command Shell
Enter TSO commands below:
==> ALTLIB ACTIVATE APPLICATION(EXEC) DA('ZQS3.SCSQPROC')

```

- Hit enter. With ALTLIB, a user or ISPF application can easily activate and deactivate CLIST and REXX exec libraries as the need arises. We are activating the REXX exec library of QMEDIT here to enable customization.
- From the ISPF main menu, navigate back to the ZQS3.SCSQPROC members via option 3.4.
- Starting with CSQ4BSDS, we will customize:
  - CSQ4BSDS
  - CSQ4CHIN
  - CSQ4MSTR
  - CSQ4INPX
  - CSQ4INYG
  - CSQ4ZPRM
- Enter an 'e' next to CSQ4BSDS and hit enter from the member list. Once inside CSQ4BSDS, enter QMEDIT on the command input line and hit enter.

```

File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT ZQS3.SCSQPROC(CSQ4BSDS) - 01.00 Columns 00001 00072
***** Top of Data *****
==MSG> -Warning- The UNDO command is not available until you change
==MSG> your edit profile using the command RECOVERY ON.
==MSG> -CAUTION- Profile is set to STATS ON. Statistics did not exist for
==MSG> this member, but will be generated if data is saved.
000001 //CSQ4BSDS JOB
000002 //*****
000003 /**
000004 /** <copyright
000005 /** notice="lm-source"
000006 /** pids="5655-MQ9"
000007 /** years="1993,2016"
000008 /** crc="663346475" >
000009 /** Licensed Materials - Property of IBM
000010 /**
Command ==> qmedit
F1=Help F2=Split F3=Exit F4=Expand F5=Rfind F6=Rchange
F7=Up F8=Down F9=Swap F10=Left F11=Right F12=Cancel

```

- You should notice the changes by looking through CSQ4BSDS, using F7 and F8 to navigate up and down the JCL code. Enter F3 to return to the member list and save your changes to CSQ4BSDS.
- Now, navigate back to the ZQS3.SCSQPROC list. Repeat this process for:
  - CSQ4CHIN
  - CSQ4MSTR
  - CSQ4INPX
  - CSQ4INYG
  - CSQ4ZPRM
- We are going to make an additional customization on CSQ4PAGE. Navigate to the member using 'e' to the left of the member. Once inside, enter the following commands on the command line at the bottom and hit enter.
  - c 'VOLUMES' 'STORCLAS' all
  - c 'VOL=SER' 'STORCLAS' all
- F3 to save the changes. We have to customize the storage here to be appropriate for this z/OS image.



- We are going to make one more additional customization on CSQ4CHIN. Navigate to the member using 'e' to the left of the member. Once inside CSQ4CHIN, enter the command 'f user exit library'. This will find the appropriate JCL.

```

EDIT          ZQS3.SCSQPROC(CSQ4CHIN) - 01.00          CHARS 'USER EXIT LIBRARY'
000116 //*****
000117 //*  USER EXIT LIBRARY
000118 //*****
000119 //CSQXLIB DD DSN=++EXITLIB++,DISP=SHR
000120 //*
000121 //*****
000122 //*  USER EXIT DATA SETS
000123 //* Add here DD statements for any data sets used by user exits.
000124 //*****
000125 //*
000126 //*****
000127 //* SNAP DUMP DATA SET FOR FFST ABENDS
000128 //*****
000129 //CSQSNAP DD SYSOUT=*
000130 //*
Command ==>
F1=Help      F2=Split    F3=Exit     F4=Expand   F5=Rfind    F6=Rchange
F7=Up        F8=Down     F9=Swap     F10=Left    F11=Right   F12=Cancel
Scroll ==> PAGE

```

- We want to comment the line 119 out. Insert a "\*" in front of CSQXLIB so that the asterisk lines up with the asterisk on the line below. It should look like this:

```

000116 //*****
000117 //*  USER EXIT LIBRARY
000118 //*****
000119 //*CSQXLIB DD DSN=++EXITLIB++,DISP=SHR
000120 //*
000121 //*****

```

- F3 out of CSQ4CHIN to save your changes and return to the member list.
- You can enter the command 'SORT CHANGED' from the member list panel to ensure you customized all the essential members

```

Menu  Functions  Confirm  Utilities  Help
BROWSE          ZQS3.SCSQPROC          Row 0000001 of 0000114
Name Prompt Size Created Changed ID
-----
CSQ4MSTR *Edited 148 2024/01/18 2024/01/18 01:15:58 DQUINCY
CSQ4ZPRM *Edited 203 2024/01/18 2024/01/18 01:15:28 DQUINCY
CSQ4INPX *Edited 94 2024/01/18 2024/01/18 01:15:04 DQUINCY
CSQ4INYG *Edited 355 2024/01/18 2024/01/18 01:14:33 DQUINCY
CSQ4PAGE *Edited 220 2024/01/18 2024/01/18 01:14:17 DQUINCY
CSQ4CHIN *Edited 132 2024/01/18 2024/01/18 01:14:00 DQUINCY
CSQ4BSDS *Edited 335 2024/01/18 2024/01/18 01:10:03 DQUINCY
QMEDIT 488 2024/01/11 2024/01/18 00:56:25 DQUINCY
CSQNONNT
CSQNOTES
CSQQTAPL
CSQQTSPB
CSQ4ACBG
CSQ4AMSM
Command ==> SORT CHANGED
F1=Help      F2=Split    F3=Exit     F5=Rfind    F7=Up        F8=Down     F9=Swap
F10=Left     F11=Right   F12=Cancel
Menu  Functions  Confirm  Utilities  Help
Command ==>
Scroll ==> PAGE

```

- Now, your customization is complete. Enter 'e' next to CSQ4BSDS and input 'SUBMIT' on the command line. This will create our bootstrap data sets for the new queue manager.



- Repeat this for CSQ4PAGE to set up the page sets for the new queue manager.

```

File Edit Edit_Settings Menu Utilities Compilers Test Help
EDIT      ZQS3.SCSQPROC(CSQ4BSDS) - 01.00          Columns 00001 00072
***** Top of Data *****
==MSG> -Warning- The UNDO command is not available until you change
==MSG> your edit profile using the command RECOVERY ON.
000001 //CSQ4BSDS JOB
000002 //*****
000003 /**
000004 /** <copyright
000005 /** notice="lm-source"
000006 /** pids="5655-MQ9"
000007 /** years="1993,2016"
000008 /** crc="663346475" >
000009 /** Licensed Materials - Property of IBM
000010 /**
000011 /** 5655-MQ9
000012 /**
Command ==> submit
F1=Help    F2=Split    F3=Exit    F4=Expand    F5=Rfind    F6=Rchange
F7=Up      F8=Down     F9=Swap    F10=Left     F11=Right   F12=Cancel
Scroll ==> PAGE

```

- When you return to the main ISPF menu, use option 3.4 to navigate to all the ZQS3 libraries

```

Menu RefList RefMode Utilities Help
Data Set List Utility
More: +
blank Display data set list      P Print data set list
V Display VTOC information      PV Print VTOC information
Enter one or both of the parameters below:
Dsnname Level . . . ZQS3.*
Volume serial . . .
Data set list options
Initial View
1 1. Volume
2 2. Space
3 3. Attrib
4 4. Total
Enter "/" to select option
/ Confirm Data Set Delete
/ Confirm Member Delete
/ Include Additional Qualifiers
/ Display Catalog Name
- Display Total Tracks
- Prefix Dsnname Level
When the data set list is displayed, enter either:
Option ==>
F1=Help    F2=Split    F3=Exit    F7=Backward  F8=Forward  F9=Swap
F10=Actions F12=Cancel

```

- Once you hit enter, you should now see boot strap data set and page set files set up along with our original ZQS3.SCSQPROC data set. If you do not see the new data sets, something has failed in your JCL and you will need to debug. We recommend comparing the BSDS and PAGE JCL to the JCL of a working queue manager, for example, ZQS1.
- Now, we have to edit SYS1.PROCLIB. Navigate to SYS1.PROCLIB using 3.4 on the ISPF menu. SYS1.PROCLIB needs to contain two members for ZQS3, ZQS3MSTR and ZQS3CHIN. We can add these two members by copying our CSQ4MSTR and CSQ4CHIN and renaming them.
- From the ISPF main menu, go to 3.3. Here, specify that you would like to copy from 'ZQS3.SCSQPROC(CSQ4MSTR)' to SYS1.PROCLIB(ZQS3MSTR). This will create a copy of your edited member for SYS1.PROCLIB and it will also rename the member to ZQS3MSTR.

```

Menu  RefList  Utilities  Help

Move/Copy Utility

C  Copy data set or member(s)          CP Copy and print
M  Move data set or member(s)         MP Move and print

Specify "From" Data Set below, then press Enter key

From ISPF Library:
  Project . . . . . (--- Options C and CP only ---)
  Group . . . . .
  Type . . . . .
  Member . . . . . (Blank or pattern for member list,
                    "*" for all members)

From Other Partitioned or Sequential Data Set:
  Name . . . . . 'ZQS3.SCSQPROC(CSQ4MSTR)'
  Volume Serial . . . . . (If not cataloged)

Data Set Password . . . . . (If password protected)
Option ==> C
F1=Help    F2=Split    F3=Exit    F7=Backward  F8=Forward  F9=Swap
F10=Actions F12=Cancel

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```

```

Menu  RefList  Utilities  Help

COPY      From ZQS3.SCSQPROC(CSQ4MSTR)

Specify "To" Data Set Below

To ISPF Library:
  Project . . . . .
  Group . . . . .
  Type . . . . .
  Member . . . . . (Blank unless member is to be renamed)

Options:
  Enter "/" to select option
  _ Replace like-named members
  / Process member aliases

To Other Partitioned or Sequential Data Set:
  Name . . . . . SYS1.PROCLIB(ZQS3MSTR)
  Volume Serial . . . . . (If not cataloged)

Data Set Password . . . . . (If password protected)

To Data Set Options:
  Sequential Disposition      Pack Option      SCLM Setting
  1 1. Mod                    3 1. Yes        3 1. SCLM
Command ==>
F1=Help    F2=Split    F3=Exit    F7=Backward  F8=Forward  F9=Swap
F10=Actions F12=Cancel

```

```

Allocate Target Data Set
More: +

Specified data set DQUINCY.SYS1.PROCLIB
does not exist.
If you wish to allocate this data set, select one of the options
below.

Allocation Options:
1 1. Allocate using the attributes of:
   ZQS3.SCSQPROC
2. Specify allocation attributes
_ Use existing SMS attributes for option 1

Instructions:
Command ==>
F1=Help      F2=Split      F3=Exit      F7=Backward  F8=Forward
F9=Swap      F12=Cancel

```

- Repeat this copying process for CSQ4CHIN.
- Now, if you navigate to SYS1.PROCLIB using option 3.4, you should see the members ZQS3MSTR and ZQS3CHIN listed as members.

## Starting your new queue manager

Now, all the setup is complete, so we just have to start up the queue manager!

- The next few commands will all be entered in the MVS command area. Navigate there by entering 'D' in the ISPF menu command line to navigate to SDSF. Once in SDSF, enter a slash in your command input and hit enter like so:

```

SDSF MENU V2R5M0   ADCDPL   SOW1
COMMAND INPUT ==> /

```

- Now, you need to dynamically APF authorize your MQ load libraries:
  - SETPROG APF,ADD,DSNAME=MQ933CD.SCSQANLE ,SMS
  - SETPROG APF,ADD,DSNAME=MQ933CD.SCSQSNLE ,SMS
- Now, you need to dynamically add some modules to the LPA (link pack area) of z/OS
  - SETPROG
    - LPA,ADD,MODNAME=(CSQ3EPX,CSQ3INI),DSNAME=MQ933CD.SCSQLINK, SMS
  - SETPROG LPA,ADD,MODNAME=(CSQ3ECMX),DSNAME=MQ933CD.SCSQSNLE, SMS
- Execute command to dynamically define MQ subsystem:
  - SETSSI ADD,S=ZQS3,I=CSQ3INI,P='CSQ3EPX,ZQS3,S'

NOTE! None of these dynamic commands will last through an IPL of the system. To make these changes concrete, you will need to modify the LPA1ST##, IEFSSN## and PROG## members of the LPAR's SYS1.PARMLIB data set.

- F3 back to the main menu, out of SDSF, enter option 6 from the main menu. Here, you will find a TSO command input window:
  - Turn off security by entering this command:

```

Menu List Mode Functions Utilities Help
ISPF Command Shell
Enter TSO commands below:
====> RDEFINE MQADMIN ZQS3.NO.SUBSYS.SECURITY

```

- Return to the SDSF command window and input the commands into the MVS command line:
  - Start up our queue manager ZQS3 with the command ZQS3 START QMGR
  - Start up the channel initiator with the command ZQS3 START CHINIT
- To verify that your queue manager has been set up, you can navigate to MQ Explorer and test the connection. You will use the port number you specified in the REXX exec.

## Appendix:

- Make an error when executing your SETSSI command? Use SETSSI DELETE,S=ZQS3,FORCE to roll back your command.
- Check APF authorized libraries by entering the command /DISPLAY PROG,APF from the SDSF command input then going to the log. APF authorized libraries must be:
  - MQ933CD.SCSQANLE
  - MQ933CD.SCSQAUTH
  - MQ933CD.SCSQMVR1
- You may see several LPALST## PROG##, and IEFSSN## members. You want to use the ones specified in the SYS1.PARMLIB(IEASYS##). You can find the IEASYS## member by entering the command /D IPLINFO from the SDSF command input. It will show a screen like this:

```

-----
SDSF MENU 3.1      MQPLEX1  MQS2                      LINE 1-17 (94)
RESPONSE=MQS2
IEE254I  18.41.02 IPLINFO DISPLAY 172
SYSTEM IPLED AT 13.14.57 ON 01/19/2024
RELEASE z/OS 03.01.00  LICENSE = z/OS
USED LOADMQ IN SYS0.IPLPARM ON 0A04C
ARCHLVL = 2  MTLSHARE = N
VALIDATED BOOT: NO
IEASYM LIST = XX
IEASYS LIST = (00) (0P)
IODF DEVICE: ORIGINAL(0A04C) CURRENT(0A04C)
IPL DEVICE: ORIGINAL(0A073) CURRENT(0A073) VOLUME(Z31RD1)
VM CPID = z/VM 7.3.0
VM UUID IS NOT PROVIDED
VM NAME = MQS2
VM EXT NAME IS NOT PROVIDED
PS      Processes      OMVS
SYS      System information  System
ENQ      Enqueues      System
COMMAND INPUT ==> _
SCROLL ==> CSR

```

- Looking to permanently make updates to your LPALST## member?
  - Add code like this:

```

EDIT          SYS1.PARMLIB(LPALST1A) - 01.10
000016 CYG.SCYGLPA,
000017 HB0.SHB0LPA,
000018 IQI.SIQILPA,
000019 SYS1.BPN.SBPNLPA,
000020 CICS610.CICS.SDFHLPA(MQ1PR1),
000021 EJES.V630Z31.SEJELPA
..... ZQS3.SCSQLINK(MQ933CD),
..... ZQS3.SCSQSNLE(MQ933CD)

```

- Looking to permanently make updates to your IEFSSN## member?
  - Add code like this:

```

File Edit Edit_Settings Menu Utilities Compilers

EDIT          SYS1.PARMLIB(IEFSSN00) - 01.37
000030 SUBSYS SUBNAME(ZQS1) INITRTN(CSQ3INI)
000031 INITPARM('CSQ3EPX,ZQS1,S')
000032 SUBSYS SUBNAME(ZQS2) INITRTN(CSQ3INI)
000033 INITPARM('CSQ3EPX,ZQS2,S')
***** Bottom of Data *****

```

- Looking to permanently make updates to your PROG## member?
  - Add code like this:

```

Menu Utilities Compilers Help

BROWSE        SYS1.PARMLIB(PROGA0) - 01.99          Line 0000000095 Col 001 08
APF ADD DSNAME(MQ933CD.SCSQANLE)                      SMS
APF ADD DSNAME(MQ933CD.SCSQAUTH)                      SMS
APF ADD DSNAME(MQ933CD.SCSQMVR1)                      SMS

```