QPAC for Batch

Version 9 Release Information Guide
Version 9 Release 11

Special Notices

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New or enhanced in Version 9 Release 11

This release 9.11 of QPAC contains corrections to release 9.10 and additionally some technical improvements for operating on IBM z16 and z15 systems.

QPAC version 7 continues to support the z/VSE operating system.
QPAC Version 9 continues to support only z/OS.
The new version is fully upward compatible.

The expression **z/OS within this release guide will also include the z/Architecture**.

Modifications and Enhancements

1. Support for z/OS 3.1

This release 9.11 of QPAC supports z/OS version 3.1

2. Support for DB2 for z/OS 13

This release 9.11 of QPAC supports DB2 for z/OS 13.

3. Support for IMS Database 15

This release 9.11 of QPAC supports IMS Database 15.

4. Installation Process

To install QPAC you have to do a binary upload of the attachment to your host. You then have to unpack it with the utility AMATERSE.

In the following section a possible sequence is described how to install QPAC on your system.

Please contact us for any questions.

Your QPAC team

1. Copy the attachment to your PC, e.g. using the right mouse button and then "save as".

2. Transfer the saved file as binary to the host.
    Pay attention that the file will receive the attributes RECFM=FB and LRECL=1024 on the host, otherwise the utility AMATERSE will not be able to read it.

    With FTP take the following steps:
    - Open a command prompt window.
    - Change to the directory where the file has been stored.
    - Enter the command "ftp <YourHostName>".
    - Answer the questions for userid and password.
    - You should now get an ftp> prompt.
    - Enter the command "**binary**".
    - Enter the command "**quote site recfm=fb lrecl=1024**".
    - Enter the command "**put <YourPCFileName> <YourHostFileName>**"
      <YourPCFileName> must correspond to the name of the attachment.
      <YourHostFileName> is the name of the file on the host.
      Attention: If you specify the host file name without quotes, your userid will be taken as HLQ.
    - Enter the qommand "**quit**" to terminate the FTP connection.

3. Now unpack the transferred file with the AMATERSE program.

    Following a sample step:

```
//STEP     EXEC PGM=AMATERSE,PARM=UNPACK
//SYSPRINT DD SYSOUT=*
//SYSUT1   DD DISP=SHR,DSN=<yourHostFilename>
//SYSUT2   DD DISP=(,CATLG,DELETE),UNIT=SYSDA,
//            SPACE=(CYL,(5,1,30)),
//            DSN=<Name.of.unpacked.file>
```

AMATERSE

The resulting PDS contains the following members:
- QPACINFO Sample program for Type 3 SVC 235
- QPACPROG QPAC objects for the linkage step
- QPACBDB2 only with DB2 support; DB2 DBRM for the bind

4. The installation of QPAC can now begin.
    Therefore process the member QPACPROG by the linkage editor:

```
 //LKED      EXEC PGM=HEWLH096,
               PARM=(XREF,LET,LIST,MAP),REGION=6144K
 //SYSUT1    DD  UNIT=SYSALLDA,SPACE=(1024,(200,20))
 //SYSLMOD   DD  DISP=SHR,DSN=<QPAC.linklib>
 //SYSLIN    DD  DISP=SHR,
               DSN=<Name.of.unpacked.file>(QPACPROG)
 //SYSLIB    DD  DSN=DSNxxx.SDSNLOAD,DISP=SHR          DB2 Support
 //          DD  DSN=IMSxxx.SDFSRESL,DISP=SHR          IMS Support
 //          DD  DSN=CSQxxx.SCSQLOAD,DISP=SHR          MQS Support
//SYSPRINT DD  SYSOUT=*
```

Linkage Editor

Note: If only DB2 support but no IMS support is available, then message
`IEW2303E` may appear, which can be ignored.

> Bind QPACBDB2 e.g.

```
 //BIND      EXEC PGM=IKJEFT01,REGION=2048K,COND=(4,LT),
 //               PARM='DYNMNBR=25'
 //STEPLIB  DD DISP=SHR,DSN=DSN810.SDSNLOAD
 //SYSTSPRT DD SYSOUT=*
 //SYSTERM  DD SYSOUT=*
 //DBRMLIB  DD DISP=SHR,DSN=<Name.of.unpacked.File>
 //SYSTSIN  DD *
 DSN SYSTEM(<db2id>)
BIND  PACKAGE(<collection-id>)    MEMBER(QPACBDB2)       -
      ISOLATION(CS)       VALIDATE(BIND)          -
      DEGREE(ANY)         DBPROTOCOL(DRDA)        -
      CURRENTDATA(NO)     OWNER(QPAC)             -
      EXPLAIN(NO)         FLAG(I)                 -
      DYNAMICRULES(RUN)                           -
      ACTION(REPLACE)
 BIND  PLAN(<planname>)    PKLIST(*.<collection-id>.*)    -
      OWNER(QPAC)         ACTION(REPLACE)
```

BIND DB2

Further explanations can be found in the manual "QPAC-Batch Installation Guide".