

New in version 2.2

Modifications:

- New load module OCBICOMB for TWS z/OS V8R3.
 - For TWS z/OS V8R3 the new load module OCBICOMB has to be used.
 - Previous output data structure of OCBOUT was changed.
 - No support for data fields: Operation recovery, operation extended name, operation system automation information.

Adaptation to the System environment

We recommend to create one single procedure for all TWS/BatchCP jobs. Only control cards should be specified in the job.

File *TWSBATCP.CNTL* contains two members with sample JCL:

- a) Member **OCBJAPF**: Calling the Program directly by PGM=
Advantage: Good performance.
Disadvantage: The load module has to be copied into an APF authorised library.
- b) Member **OCBJCOM**: Calling the program via IKJEFT01.
Advantage: The load module can be started out of a non APF authorised library.
Disadvantage: Bad performance.

Member OCBJAPF

```

//...jobard...
//*****
//* CREATE EQQYPARM
//*****
//CREAPARM EXEC PGM=IEBGENER
//SYSIN DD DUMMY
//SYSPRINT DD SYSOUT=*
//SYSUT1 DD *
INIT CWBASE(00) HIGHDATE(711231)
/*
//SYSUT2 DD DISP=(NEW,PASS),DSN=&&PARM,SPACE=(TRK,(1,1)),
// UNIT=SYSDA,DCB=(LRECL=80,BLKSIZE=8000,RECFM=FB)
//*****
//* TWS/BATCHCP
//*****
//CPUNL EXEC PGM=OCBICOM6,REGION=4M,
// PARM=('DEPTHCONDLMT(0),ERRCOUNT(0),ALL31(OFF)',
// 'STACK(,BELOW,KEEP)',
// '/SUBSYS=xxxx,PWD=xxxxxxxx,parm')
/* Hint: The parameters before / are only for Language Environment.
//STEPLIB DD DISP=SHR,DSN=HLQ.OCB.LOAD
// DD DISP=SHR,DSN=HLQ.OPCESA.VxRxMx.SEQQLMD0
//EQQMLIB DD DISP=SHR,DSN=HLQ.OPCESA.VxRxMx.SEQQMSG0
//EQQMLOG DD SYSOUT=*
//EQQYPARM DD DISP=(OLD,DELETE),DSN=&&PARM
//SYSPRINT DD SYSOUT=*
//SYSOUT DD SYSOUT=*
//SYSTSPRT DD SYSOUT=*
//PRGRCF DD DUMMY
//JSDATA DD DUMMY /* JCL, only for Insert-JS necessary */
//OPGDAT DD SYSOUT=*
//OCBOUT DD SYSOUT=*
//SYSMDUMP DD SYSOUT=*
//PARMIN DD *
* GENERAL PARAMETER *****
* ...
* SELECTION CRITERIA *****
ADID=TEST*
IA=*
OPNO=*
JOBNAME=*
WSNAME=*
* ACTION PARAMETER *****
RECORD=CPOC
ACTION=LIST
* UPDATE PARAMETER *****
* Now insert the new parameters. Use only the parameter you need.
* Warning: Please delete empty parameters like "JOBNAME=" or "RIUSE=".
RESNAME=A.B.C
RESUSAGE=X
QUANTITY=12
ONERROR=Y
/*

```


Adapt job card

Please adapt your job card.

Adapt or delete /*XEQ-Card

Because the program uses the TWS PIF, it has to run on the same system like the TWS controller. If the job should run on another system, you have to specify the node id here. With TME10 OPC V2R1 you may run the PIF program against a dedicated PIF server. See further details in the TWS installation manual.

Adjust or delete STEPLIB

TWS Load Library SEQQLMD0

The program is calling the TWS PIF module EQQYCOM (TWS Program Interface). If the library with that module is not concatenated in your LINKLIST, you have to specify the STEPLIB.

☞ The STEPLIB is mandatory if you are working with different TWS versions

Runtime libraries

The program needs the Language Environment (LE370). The STEPLIB is mandatory if these libraries are not concatenated in your LINKLIST.

SYSPRINT

The program writes its messages to DD SYSPRINT.

EQQMLOG

Error messages and warnings of TWS are written into EQQMLOG.

Adapt EQQMLIB

Enter the dataset name of your TWS message library here.

Adjust EQQYPARM

☞ Specify the date format for the communication between program and OPC.

TWS/BatchCP needs following statement:
INIT CWBASE(00) HIGHDATE(711231)

☞ The program has to run on the same system as the TWS controller or a TWS PIF server (see TWS literature for more information).

TWS-Subsystem in EQQYPARM

You specify the parameter SUBSYS here.

☞ We recommend to specify the TWS subsystem within the EQQYPARM statement.

Adjust names of TWS/BatchCP load modules

Specify the file name of the OCB Library. Default:
HLQ.TWSBATCP.VxRx.LOAD.

Adjust Licence Key

Select the TWS/BatchCP Load module for your TWS version

Specify the name of the load module for your TWS version.

TWS- or OPC- Version	Load modul name
TWS z/OS V8R1	OCBICOM8
TWS z/OS V8R2	OCBICOM9
TWS z/OS V8R3	OCBICOMB

Language Environment Runtime parameter

If you are using the Language Environment (LE370), following language environment parameters are mandatory:

- *ALL31(OFF)*
- *DEPTHCONDLMT(0)*
- *ERRCOUNT(0)*
- *STACK(,,BELOW,KEEP)*

☞ These Language environment parameters was set internal as default. Therefore do not override these language environment parameters in JCL or in system environment with other values.

☞ The parameters must not be used if you are not using the LE370.

☞ The parameters have to be specified before the '/', for example PARM='ALL31/SUBSYS=OPC4'.

Program parameter

You can specify following program parameters:

Program parameter	Description
AD=	like selection parameter ADID=
IA=	like selection parameter IA=
JN=	like selection parameter JOBNAME=
ON=	like selection parameter OPNO=
PWD=	like general parameter PASSWORD=
SYS= or SUBSYS=	like general parameter OPC_SUBSYSTEMNAME=

Program parameter	Description
CUST=NFRC4	like general parameter SETRC4_IF_NOTFOUND=Y

OPC-Subsystem

OPC-PIF interface EQQYCOM

The program requires the OPC-PIF interface EQQYCOM. If this module is not concatenated in the LINKLIST, you must insert a STEPLIB or JOBLIB statement.

OPC-PIF function SELECT with JCLPREPA

We are using PIF request SELECT with resource code JCLPREPA to emulate TWS variable substitution. Please take care if you use variable substitution exit to modify other data than TWS variables. For more information see the TWS z/OS documentation.

Variable simulation is used with parameter SIMRANGE, SIMTIME and SIMTYPE.

DD PRGRCF

PRGRCF writes the return code generated by TWS/BatchCP into a file, that file is input to ROTIRC which finally generates the return code. The reason for this is the IKJEFT01, which is always generating RC=0.

DD JSDATA

The file is used to insert JCL into TWS JCL files JS1 and JS2.

RECFM=FB, LRECL=80, DSORG=PS.

DD PARMIN

Used for control cards, see previous chapters.

Program ROTIRC

ROTIRC sets the return code for the job. The reason is IKJEFT01, which overwrites the return code of TWS/BatchCP. Specify at STEPLIB the name of the TWS/BatchCP load library. Default is HLQ.TWSBATCP.LOAD.

DD name OCBOUT

Precondition for to write listings into OCBOUT is the definition of following control statements: ACTION=LIST and OUTPUT_IN_OCBOUT=Y.

LRECL=500, RECFM=FB.

The header file can be suppressed by specifying HEADER_IN_OCBOUT=N.