



# **PACS UTILITY DOCUMENT**

## **JBC Executor**

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## Document History

Author	Version	Date	Description
Saurav Kumar	0.1	25-Jul-25	Initial draft
Bhattacharjee	1.0	25-Jul-25	Reviewed and baselined

### Comments:

NA

## 1. Introduction

This tool is executable Java jar file which invokes Temenos jBC routines. It can be used mostly to perform correction tasks to T24 tables which need jBC F.WRITE (or direct JBASE WRITE command) to write on T24 tables. However it can be used to do anything in the jBC routine like to extract data or post OFS messages. The tool is useful where jBC execution is a challenge because jBC support is stopped from Transact T24 R19 release onwards.

## 2. Overview

The tool is designed in Java 8 for Transact T24 R22 AMR releases. This is a Java GUI based tool which prompts user to input the jBC routine to be executed. All logic to perform CRUD actions must be taken care in jBC routine and the tool is only a mechanism to initiate TAFJ context outside the T24.

## 3. How to Install

Recommended to install this application in the production system after a thorough testing.

### 3.1.1 Step 1

Extract the contents available in jBC Runner.jar in any directory. Sample jBC programs are also present.

## 4. How to Use

### 4.1.1 Step 1

In script file run-app.bat, setup JAVA8\_HOME, EXT\_LIBS & APP\_JAR values.

```
%echo off
echo =====
echo      Starting the tool to execute jBC routine
echo =====
REM === Set Java 8 path (update as needed) ===
set JAVA8_HOME=C:\R22\Temenos\java\jdk8
set PATH=%JAVA8_HOME%\bin;%PATH%

REM === Path to external libraries. Must include path where all jars of T24 are present and the jar which contain jBC routine to execute. ===
set EXT_LIBS=C:\R22\Temenos\jboss\modules\com\temenos\t24\main\t24lib\*;C:\R22\Temenos\TAFJ\data\tafj\jars\*

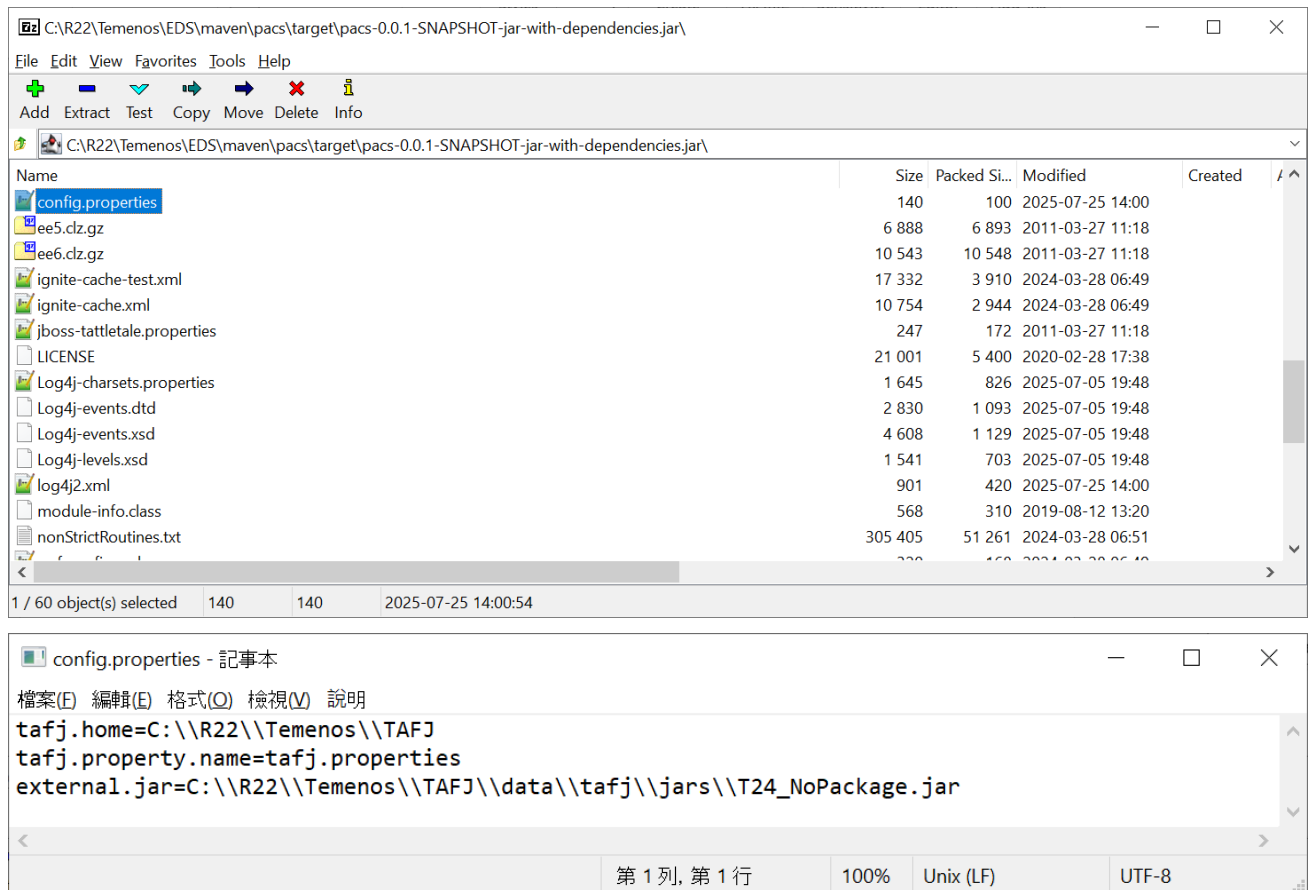
REM === Path to your runnable jar ===
set APP_JAR=C:\R22\Temenos\EDS\maven\pacs\target\pacs-0.0.1-SNAPSHOT-jar-with-dependencies.jar
echo Running application JAR: %APP_JAR%

REM === Run the application with external classpath ===
echo.
echo Launching application...
java -cp "%APP_JAR%;%EXT_LIBS%" -jar %APP_JAR%

echo.
echo Application exited with code %ERRORLEVEL%.
pause
```

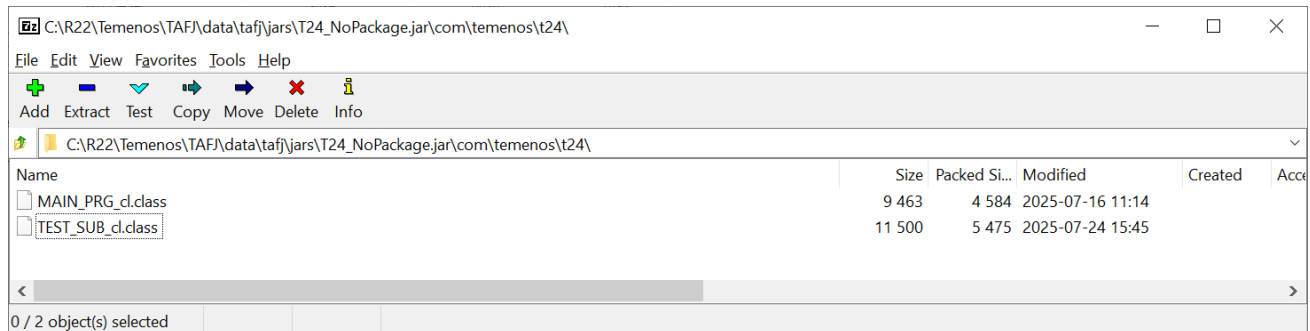
### 4.1.2 Step 2

In the config.properties file present under runnable jar, setup tafj.home, tafj.property.name & external.jar properties.



#### 4.1.3 Step 3

Compile the jBC routine and make sure the class file generated is present under jar file mentioned in external.jar property.



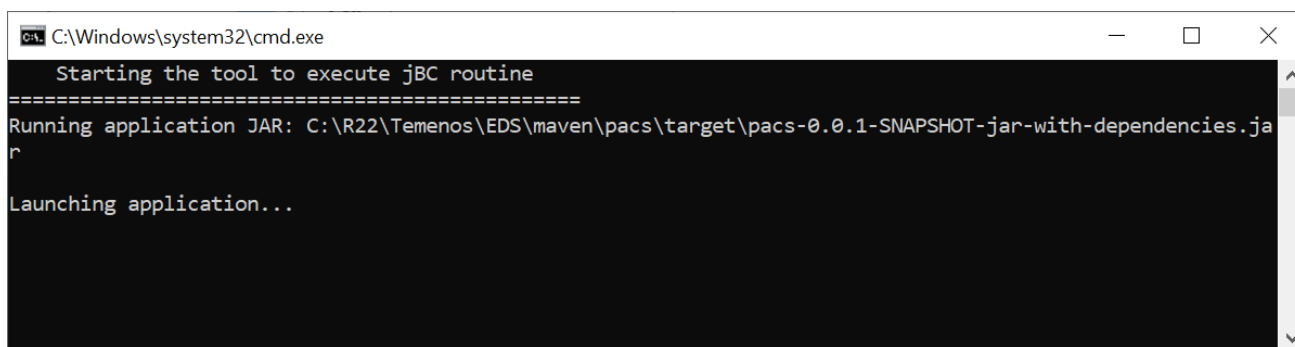
#### 4.1.4 Step 4

Do all necessary configurations in T24 like OFS.SOURCE if OFS message needs to be posted.

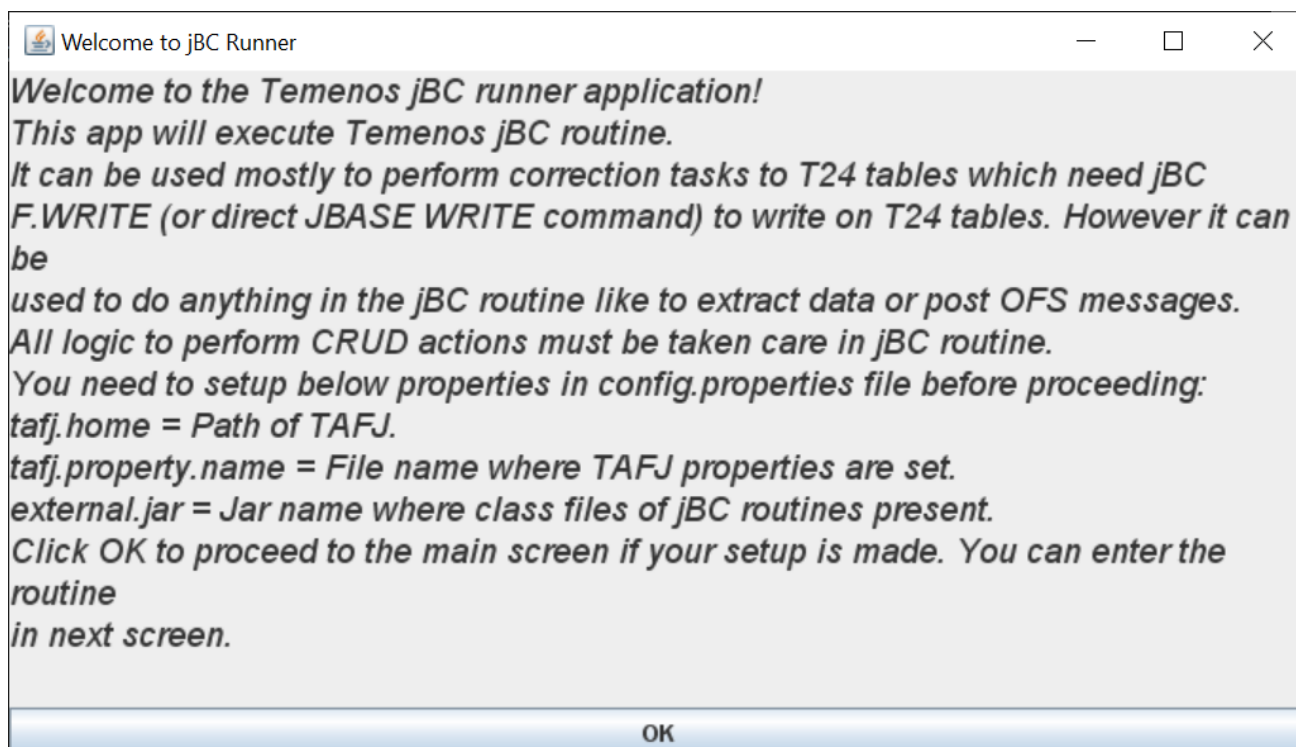
#### 4.1.5 Step 5

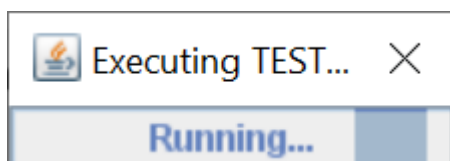
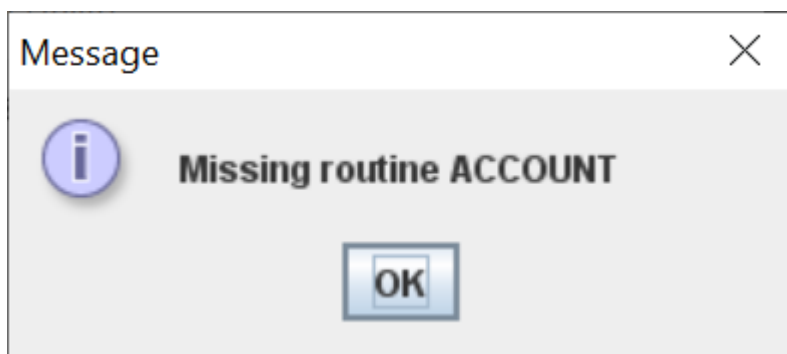
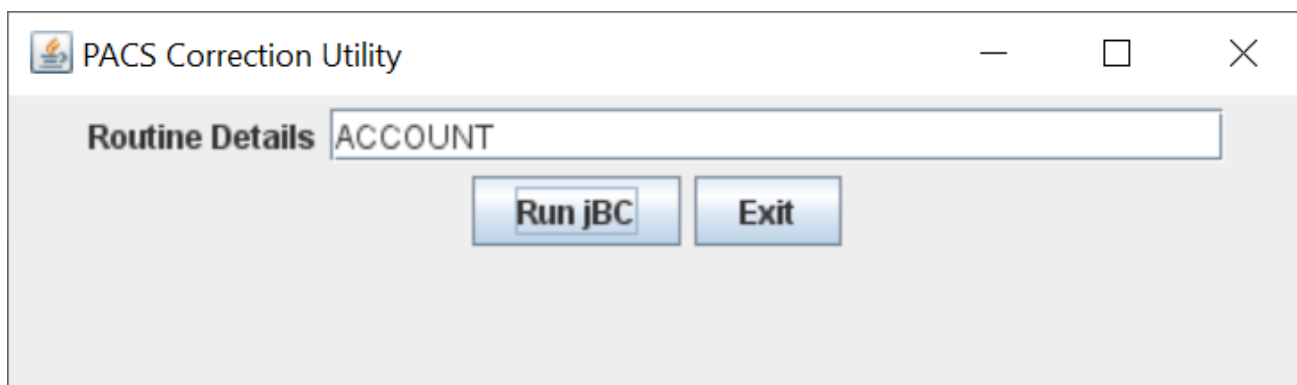
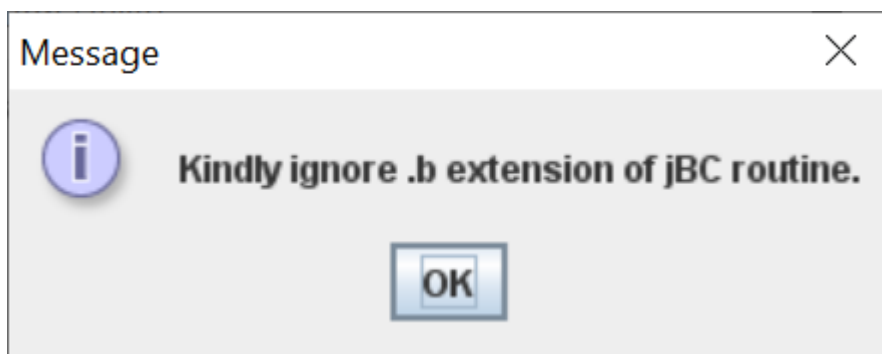
Run the run-app.bat file and follow the instructions.

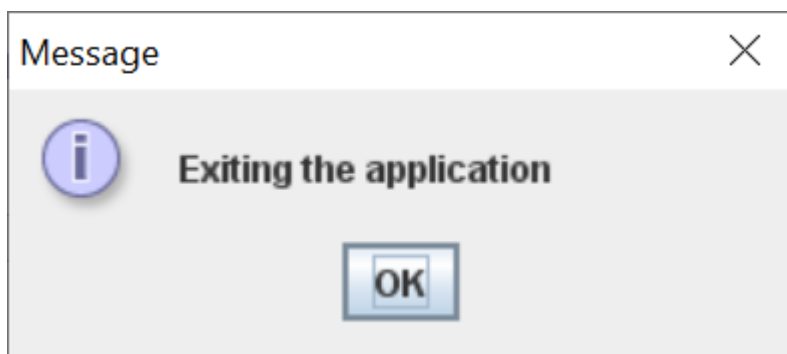
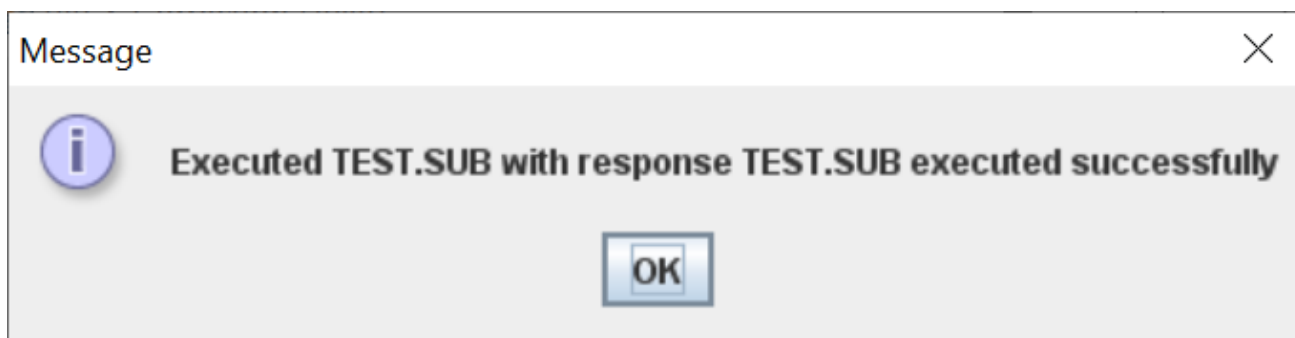
## 5. Expected Output of this Tool/Utility



```
C:\Windows\system32\cmd.exe
Starting the tool to execute jBC routine
=====
Running application JAR: C:\R22\Temenos\EDS\maven\pacs\target\pacs-0.0.1-SNAPSHOT-jar-with-dependencies.jar
r
Launching application...
```







```

C:\Windows\system32\cmd.exe
Starting the tool to execute jBC routine
=====
Running application JAR: C:\R22\Temenos\EDS\maven\pacs\target\pacs-0.0.1-SNAPSHOT-jar-with-dependencies.jar
r
Launching application...
(OFS.INITIALISE.SOURCE) : GCS

Application exited with code 0.
Press any key to continue . . .

```

```

Inside TEST.SUB
OFS request is ACCOUNT,/I/PROCESS/0/,//GB0010001/,,,,,,,,,,,,,,,,,,,,,,,,,,,,,CUSTOMER:1:1="100100",CATEGORY:1:1="1001",CURRENCY:1:1="USD",
OFS response is 120871/ACOF5252061799650775.01/1,CUSTOMER:1:1=100100,CATEGORY:1:1=1001,ACCOUNT.TITLE.1:1:1=Harry Crisp,SHORT.TITLE:1:1=Harry
Crisp,POSITION.TYPE:1:1=TR,CURRENCY:1:1=USD,CURRENCY.MARKET:1:1=1,ACCOUNT.OFFICER:1:1=26,CONDITION.GROUP:1:1=1,CAP.DATE.CHARGE:1:1=20220430,PASSBOOK:1:1=NO,OPENING.
DATE:1:1=20220419,OPEN.CATEGORY:1:1=1001,CHARGE.CCY:1:1=USD,CHARGE.MKT:1:1=1,INTEREST.CCY:1:1=USD,INTEREST.MKT:1:1=1,ALT.ACCT.TYPE:1:1=LEGACY,ALT.ACCT.TYPE:2:1=T24.
IBAN,ALT.ACCT.TYPE:3:1=PREV.IBAN,ALT.ACCT.TYPE:4:1=HOLDER.REF,ALT.ACCT.TYPE:5:1=CONN.REF,ALT.ACCT.TYPE:6:1=CBU,ALT.ACCT.TYPE:7:1=RIB,ALT.ACCT.TYPE:8:1=ISIN,ALT.ACCT
.TYPE:9:1=CUSIP,ALT.ACCT.TYPE:10:1=BBAN,ALT.ACCT.ID:2:1=GB57DEMO60161300120871,ALLOW.NETTING:1:1=NO,CURR.NO:1:1=1,INPUTTER:1:1=17996_AUTHORISER__OFS_AC.OFS0,DATE.TI
ME:1:1=2507251406,AUTHORISER:1:1=17996_AUTHORISER_OFS_AC.OFS0,CO.CODE:1:1=GB0010001,DEPT.CODE:1:1=1

```

## OFS.REQUEST.DETAIL



```

Administrator: C:\Windows\system32\cmd.exe - tRun EX
Model Bank      OFS REQUEST DETAILS SEE
MESSAGE.KEY..... ACOFS252061799650775.01
-----
1 APPLICATION..... ACCOUNT
3 FUNCTION..... I
4 TRANS.REFERENCE... 120871
5 USER.NAME..... AUTHOR
6 COMPANY..... GB0010001
7 DATE.TIME.RECD.... 14:06:15:377 25 JUL 2025
9 DATE.TIME.PROC.... 14:06:18:641 25 JUL 2025
10 STATUS..... PROCESSED
11 MSG.IN..... ACCOUNT,/I/PROCESS//0/,//GB0010001//,CUSTOMER:1:1="100100",C
12 MSG.OUT..... 120871/ACOF252061799650775.01/1,CUSTOMER:1:1=100100,CATEGORY:1:1=1001,ACCOUNT.TITLE.1:1:1=Harry
15 NO.OF.AUTH..... 0
16 T24.SESSION.NO.... 17996
26 DATE.TIME.RECD.LOC 14:06:15:377 25 JUL 2025
27 DATE.TIME.PROC.LOC 14:06:18:641 25 JUL 2025

996_AUTHORISER_OFS_AC.OFS0,CO.CODE:1:1=GB0010001,DEPT.CODE:1:1=1-----
25 JUL 2025 14:08:42 USER (19 APR) SEAT.USER [27391,]PAGE 1
ACTION
AWAITING PAGE INSTRUCTIONS

```

## ACCOUNT

```

Administrator: C:\Windows\system32\cmd.exe - tRun EX
Model Bank      ACCOUNT SEE
ACCOUNT.NUMBER.... 120871      USD Current Account
-----
1 CUSTOMER..... 100100      Harry Crisp
2 CATEGORY..... 1-001      Current Account
3. 1 GB A Harry Crisp
5. 1 GB S Harry Crisp
7 POSITION.TYPE.... TR      TRADING POSITION
8 CURRENCY..... USD      US Dollar
9 CURRENCY.MARKET.. 1      CurrencyMarket5
11 ACCOUNT.OFFICER.. 26      Customer Service Agent
21 CONDITION.GROUP.. 1      Current Account Personal
46. 1 CAP.DATE.CHARGE 2022/04/30
76 PASSBOOK..... NO
78 OPENING.DATE.... 2022/04/19
85 OPEN.CATEGORY.... 1-001      Current Account
93 CHARGE.CCY..... USD      US Dollar
94 CHARGE.MKT..... 1      CurrencyMarket5
95 INTEREST.CCY.... USD      US Dollar
-----
25 JUL 2025 14:08:20 USER (19 APR) SEAT.USER [27391,]PAGE 1 >>>>>>
ACTION
AWAITING PAGE INSTRUCTIONS

```

## 6. Recommendations

Care must be taken on writing business logics jBC routines. Any incorrect data written will not be responsibility of the applications which is running it.

## 7. Conclusion

This tool will help run jBC routines directly without need to logging into T24 session.