TEMENOS™

TAFJ Upgrade

R14/R15

10/3/2015

Temenos

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Amendment History:

Revision	Date Amended	Name	Description
1	2012	TAFJ Team	Initial version
2	16th January 2013	Manoj Kumar A	R13GA review
3	25th Feb 2013	Manoj Kumar A	Added the missing parameter for upgrade service.
4	26th April 2013	Manojkumar A	Correction in document to run conversion in T24 before Authorizing Exceptions.
5	10th March 2015	H. Aubert	R15 AMR review

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Errata and Comments

If you have any comments regarding this manual or wish to report any errors in the documentation, please document them and send them to the address below:
Technology Department

Temenos Headquarters SA
2 Rue de l'Ecole-de-Chimie,
CH - 1205 Geneva,
Switzerland

Tel SB: +41 (0) 22 708 1150
Fax: +41 (0) 22 708 1160

Please include your name, company, address, and telephone and fax numbers, and email address if applicable. TAFJdev@temenos.com

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Overview

The primary Objective of this document is to provide guidance regarding the upgrade of T24 release and TAFJ release for existing TAFJ areas.

Pre requisite: TAFJ DEV image.

Procedure

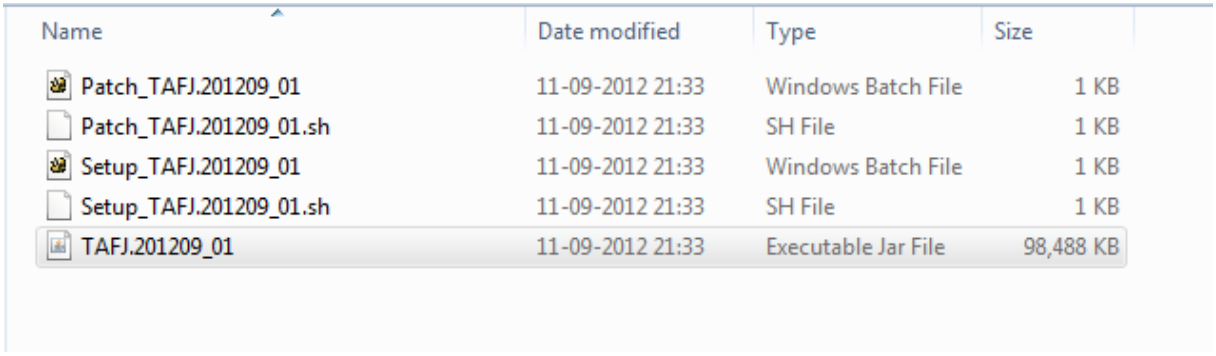
TAFJ Upgrade:

Following is the procedure to upgrade TAFJ libraries in the existing area.

Please download the latest TAFJ version .zip file (e.g. TAFJ_201209_01.zip) from the following URL .

http://10.41.5.51:11112/FP/

Once downloaded, please unzip the file into a folder and you should be able to see the following files inside the folder.



Name	Date modified	Type	Size
Patch_TAFJ.201209_01	11-09-2012 21:33	Windows Batch File	1 KB
Patch_TAFJ.201209_01.sh	11-09-2012 21:33	SH File	1 KB
Setup_TAFJ.201209_01	11-09-2012 21:33	Windows Batch File	1 KB
Setup_TAFJ.201209_01.sh	11-09-2012 21:33	SH File	1 KB
TAFJ.201209_01	11-09-2012 21:33	Executable Jar File	98,488 KB

For upgrading, we make use of Patch_TAFJxxx.bat on windows and Patch_TAFJxxx.sh for other operating systems.

Before launching the Patch_TAFJxxx.bat, make sure we have the following environment variables set

Launch a Command Prompt (CMD) to set the following Environment variables temporarily.

JAVA_HOME

For 64 bit machines

SET JAVA_HOME=D:\Temenos\Development\3rdParty\jdk\jdk1.6.0_29-64

For 32 bit machines

SET JAVA_HOME=D:\Temenos\Development\3rdParty\jdk\jdk1.6.0_29-32

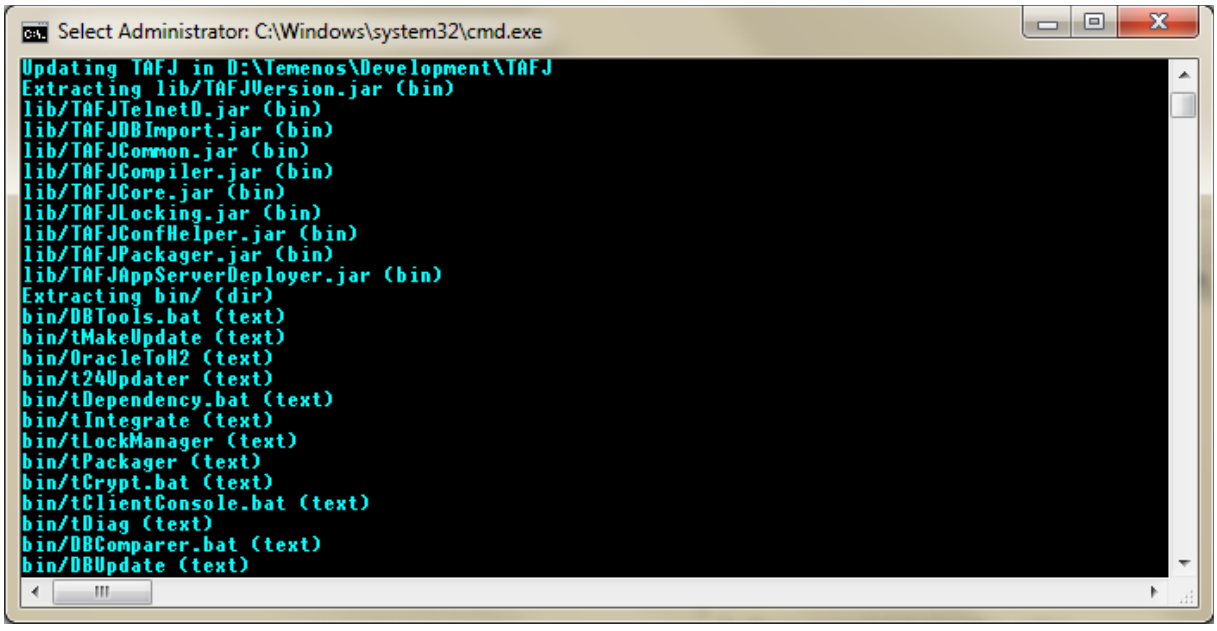
TAFJ_HOME

Set TAFJ_HOME=D:\Temenos\Development\TAFJ

ECLIPSE_HOME

SET ECLIPSE_HOME= D:\Temenos\Development\TAFJ\ECLIPSE

Once set, we can run the `Patch_TAFJxxx.bat/sh`.



This will upgrade the necessary folders with the new contents from the new release.

Now you can restart your Eclipse for your new jars to be loaded for use.

Note : For Application Servers like Jboss , the following files should be replaced with the existing files under JBOSS_HOME/server/<context>/deploy folder. Where context can be default or a specific folder. (i.e for modelbank_tafj , context is R12)

- TAFJJEE_EAR.ear file
- TAFJJEE_EAR_Monitor.ear file

The above files can be found under TAFJ_HOME/appserver folder.

T24 Upgrade

TEMP.RELEASE

Following is the procedure for upgrading the T24 libraries and data to higher release making use of TEMP.RELEASE provided by Integration team. (TAFJ.R12_201214 or higher)

Before going for upgrade, we will make sure that the existing precompiled jar files are present in a single folder and this folder is referenced in precompiled path on tafj.properties file under TAFJ_HOME/conf folder.

i.e.

in tafj.properties

```
temn.tafj.directory.precompile  = /glodev1/tafj/tafjx01/precompiled
```

(**Where in the precompiled folder contains all the precompiled jar files including Enterprise jars**.)

To start the upgrade process, we launch the following command from DBTools under TAFJ_HOME/bin

```
Syntax :

TEMP-RELEASE [options] pathToTempRelease pathToLibDestinationFolder [-i
pathToInsertDestinationFolder] [-bp pathToSrcDestinationFolder]

Where options can be
      –s  (script mode)
      -log (<name of log >. To be generated under TAFJ_HOME/log )
      -cf <Configuration file>
```

Now start the upgrade process by launching this command from DBTools.

DBtools –cf tafj.properties -log tmprelease.log TEMP-RELEASE glodev1/tafj/tafjx01/temp.release /glodev1/tafj/tafjx01/precompiled –bp /glodev1/tafj/tafjx01/Source/t24_bp

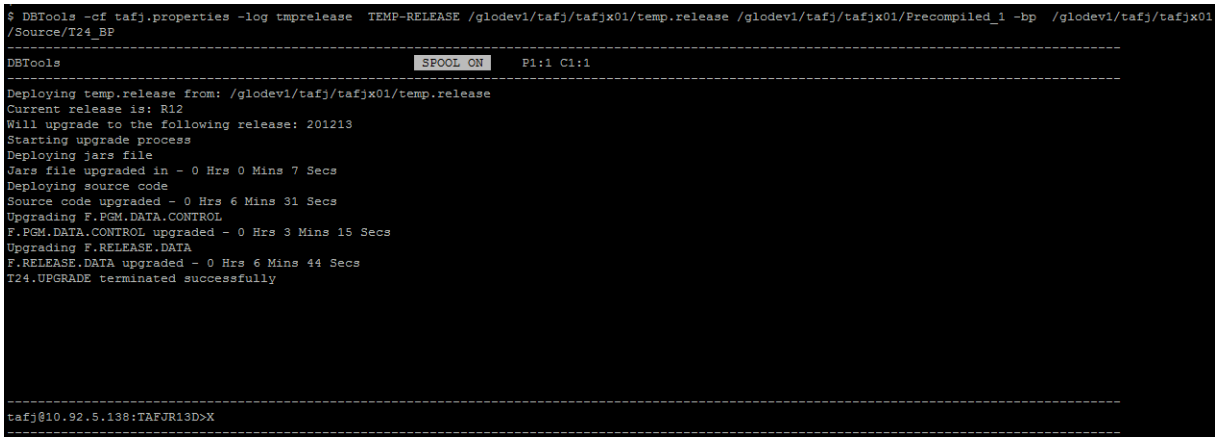
Where

tafj.properties is a configuration file

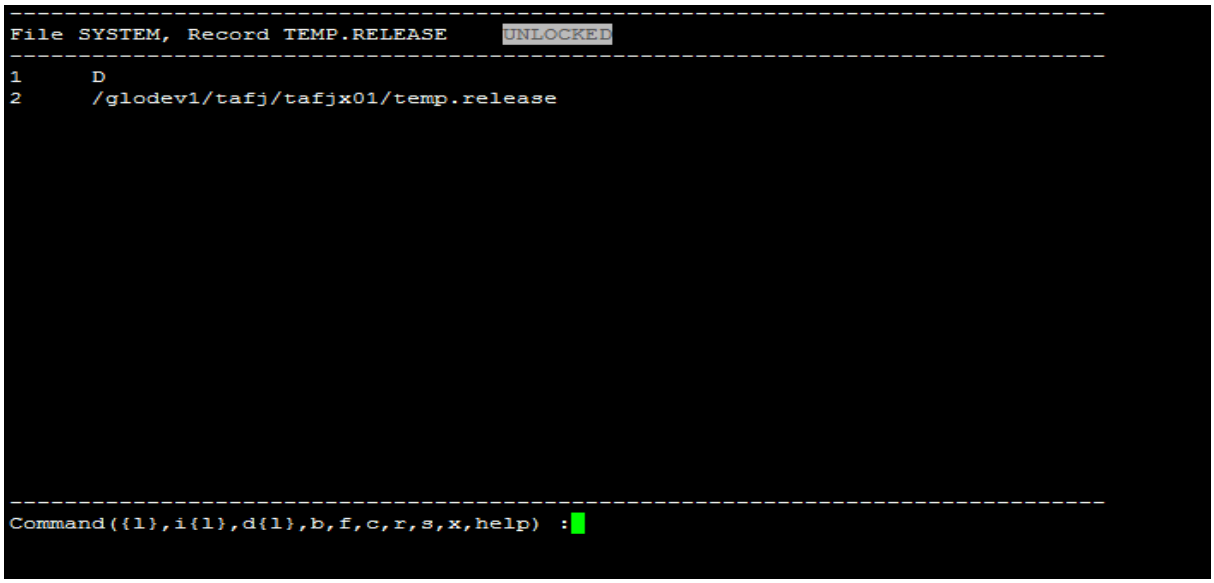
tmprelease.log is the name of the log file to be generated in TAFJ_HOME/log folder,

/glodev1/tafj/tafjx01/temp.release is the path where my temp.release folder is present

/glodev1/tafj/tafjx01/precompiled is path where my precompiled jars are present.



Creating a J4 file SYSTEM and pointing to TEMP.RELEASE



T24.PRE.RELEASE

Add the following property in the configuration properties file in TAFJ_HOME/conf

JEDIFILENAME_SYSTEM=SYSTEM

The process of upgrade can be monitored in the log file specified , i.e. tmprelease.log under **TAFJ_HOME/log** folder.

Once Finished the first phase of upgrade, we need to run T24.PRE.RELEASE routine.

```
tRun T24.PRE.RELEASE
```

```
 201015.006

 ------------------------------------------------------------------------------



RELEASE NUMBER IS T24.PRE.RELEASE

SELECT LIST NAME IS T24.PRE.RELEASE









 ------------------------------------------------------------------------------
 01 FEB 2013 16:28:50  USER                          [53210,]
 ACTION Transfer of records to data accounts complete.
$
```

After executing the T24.PRE.RELEASE, you should be able to see the file in &SAVEDLISTS& with the files records being exported into T24 for preliminary use.

```
$ ls
T24.PRE.RELEASE
$ ls -ltr
total 8
-rw-rw-rw-    1 tafjx01  staff          306 Feb 01 16:29 T24.PRE.RELEASE
$
```

```
F.PGM.FILE>T24.UPGRADE
F.PGM.FILE>RUN.CONVERSION
F.TSA.SERVICE>TSM
F.TSA.SERVICE>T24.UPGRADE
F.TSA.SERVICE>RUN.CONVERSION
F.BATCH>T24.UPGRADE
F.BATCH>RUN.CONVERSION
F.TSA.WORKLOAD.PROFILE>TSM
F.TSA.WORKLOAD.PROFILE>T24.UPGRADE
F.TSA.WORKLOAD.PROFILE>RUN.CONVERSION.PROFILE
F.STANDARD.SELECTION>TSA.SERVICE
~
```

Once this process is finished, we need to run the service T24.UPGRADE to release the Data records and create file where ever necessary .

T24.UPGRADE

Set the record T24.UPGRADE of F.TSA.SERVICE to START.

```
201015.006              TSA.SERVICE, INPUT

    SERVICE.......... T24.UPGRADE
-------------------------------------------------------------------------------
  1. 1 DESCRIPTION.... Upgrade Service
  2. 1 SERVER.NAME....
  3. 1 WORK.PROFILE... T24.UPGRADE         Workload Profile
  4. 1 SERVER.STATUS..
  5 USER.............. SEAT.USER           SEAT.USER
  6 SERVICE.CONTROL... START
  7 REVIEW.TIME.......
  8 TIME.OUT..........
  9. 1 ATTRIBUTE.TYPE.
 10. 1 ATTRIBUTE.VALUE
 11 FREQUENCY.........
 12 RESERVED.8........
 13 RESERVED.7........
 14. 1 LOCAL.REF......
 15. 1 DATE.......... 22 DEC 2009
 16. 1 STARTED........ 31/01/2013 11:51:49
-------------------------------------------------------------------------------
01 FEB 2013 16:31:35  USER (22 DEC) INPUTTER          [7854,] PAGE 1    >>>5>>>
ACTION
```

Run START TSM in DEBUG and STANDALONE mode.

```
tRun START.TSM -DEBUG
```

```
$ tRun START.TSM -DEBUG
START_TSM -DEBUG
tSA 1 -DEBUG
<como>
<agent>1</agent>
<processid>37683356</processid>
<portno>15</portno>
Agent 1 started 01 FEB 13 16-34-29
Agent's Process id 37683356
<servername>maa1devbld38</servername>
Running on server maa1devbld38 PortNumber 15
<service name = TSM>
tSM -DEBUG

Service Profile COB FOR COB (10)
                OLTP OFS Service (1)
                T24.UPGRADE Upgrade Service (2)
                TSM TSM Record for running upgrade as service (1)

Manually launch tSA 2   COB
Manually launch tSA 3   COB
Manually launch tSA 4   COB
Manually launch tSA 5   COB
Manually launch tSA 6   COB
Manually launch tSA 7   COB
Manually launch tSA 8   COB
Manually launch tSA 9   COB
Manually launch tSA 10  COB
Manually launch tSA 11  COB
Manually launch tSA 12  OLTP
Manually launch tSA 13  T24.UPGRADE
Manually launch tSA 14  T24.UPGRADE
```

Once the service T24.UPGRADE is finished, you should login into T24 to see the release of SPF file

Run tSA T24.UPGRADE manualy as START.TSM is in DEBUG

```
tRun tSA 13
```

```
tRun tSA 14
```

Check the record SYSTEM of F.SPF

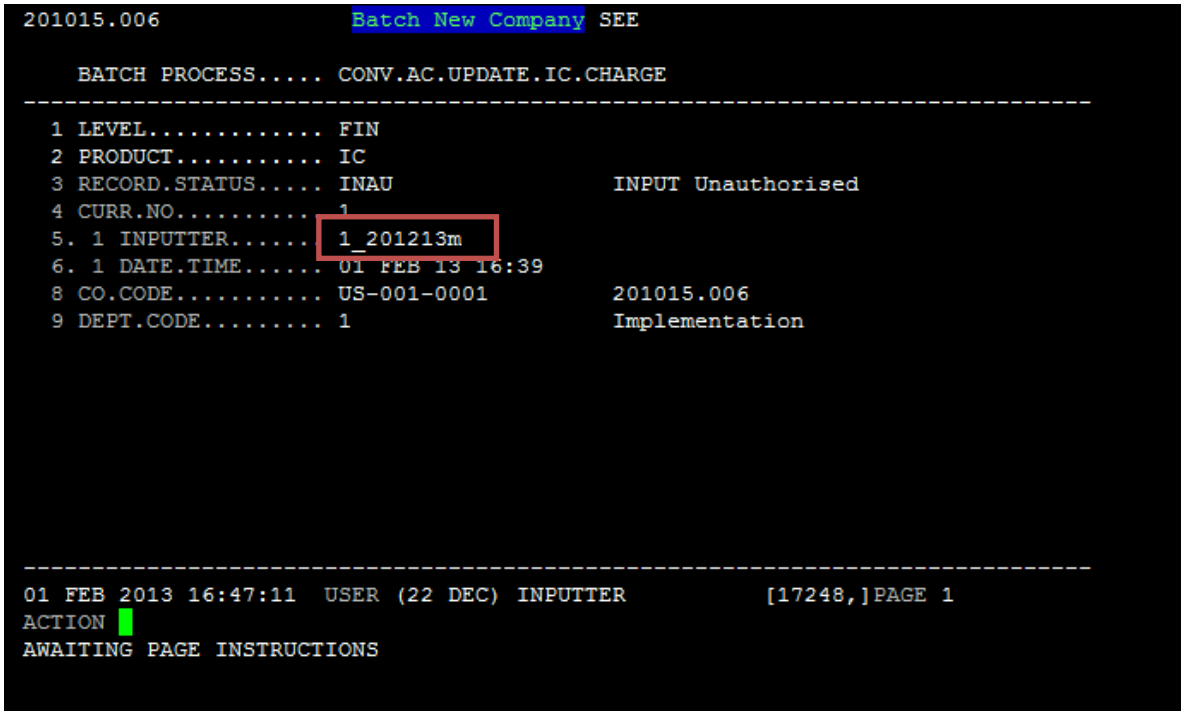
```
201015.006              SPF, INPUT

    SYSTEM SPEC....... SYSTEM
-------------------------------------------------------------------------------
  1 RUN.DATE.......... 07 JAN 2010
  2 SITE.NAME......... SINGLE COMPANY TRADE DATED
  3 OP.MODE........... O
  4. 1 OP.CONSOLE..... TEST
  5. 1 MAIN.ACCOUNT... ../bnk.data
  6. 1 BACKUP.CYCLE.1.
  7. 1 BACKUP.CYCLE.2.
  8 CURRENT.RELEASE... 201213
  9 HIST.LIFE......... 1
 10 ALL.PG.INC........
 11 CACHE.EXPIRY......
 12 ENQ.PAGE.LIMIT.... 200
 13 RECV.DATE.TIME....
 14 SYS.BACKUP.MODE... TAPE
 15 HOLD.BATCH.OUTPUT. Y
 16 MICROFICHE.OUTPUT. N
-------------------------------------------------------------------------------
01 FEB 2013 16:59:11  USER (22 DEC) INPUTTER          [50793,]PAGE 1    >>18>>>
ACTION
AWAITING PAGE INSTRUCTIONS
```

Sample view of records after upgrade:

```
201015.006              PROGRAM FILE SEE

    PROGRAM            AA.ARR.PROXY.PERMISSIONS
-------------------------------------------------------------------------------
  1 TYPE.............. H
  2. 1 GB SCREEN.TITLE AA Arrangement - PROXY.PERMISSIONS Property
  5 PRODUCT........... AP
 26 CURR.NO........... 6
 27. 1 INPUTTER...... 1_201213m
 28. 1 DATE.TIME..... 01 FEB 13 16:38
 29 AUTHORISER....... 1_201213m
 30 CO.CODE.......... US-001-0001         201015.006
 31 DEPT.CODE........ 1                    Implementation









-------------------------------------------------------------------------------
01 FEB 2013 16:44:56  USER (22 DEC) INPUTTER          [17248,]PAGE 1
ACTION
AWAITING PAGE INSTRUCTIONS
```

```
201015.006              CONVERSION.DETAILS SEE

    CONVERSION.NAME... CONV.AM.VIOLATION.201201
------------------------------------------------------------------------------
  1. 1 DESCRIPTION.... ENHANCEMENT 322511
  1. 2 DESCRIPTION.... GROUP PORTFOLIO REBALANCING
  2. 1 GB SHORT.DESC.. GRP PORT RBL
  3 FILE.NAME......... AM.VIOLATION        AM.VIOLATION
  4 OLD.CO.CODE.POS... 17
  5 NEW.CO.CODE.POS... 22
  6 RE.RUN.FLAG....... YES
  7. 1 ADD.FIELD.START 10
  8. 1 ADD.FIELD.NO... 5
 20 PRODUCT........... AM
 34 CURR.NO........... 1
 35. 1 INPUTTER...... 1_201213m
 36. 1 DATE.TIME..... 01 FEB 13 16:39
 37 AUTHORISER....... 1_201213m
 38 CO.CODE.......... US-001-0001         201015.006
 39 DEPT.CODE........ 1                    Implementation
------------------------------------------------------------------------------
01 FEB 2013 16:45:48  USER (22 DEC) INPUTTER          [17248,]PAGE 1
ACTION
AWAITING PAGE INSTRUCTIONS
```

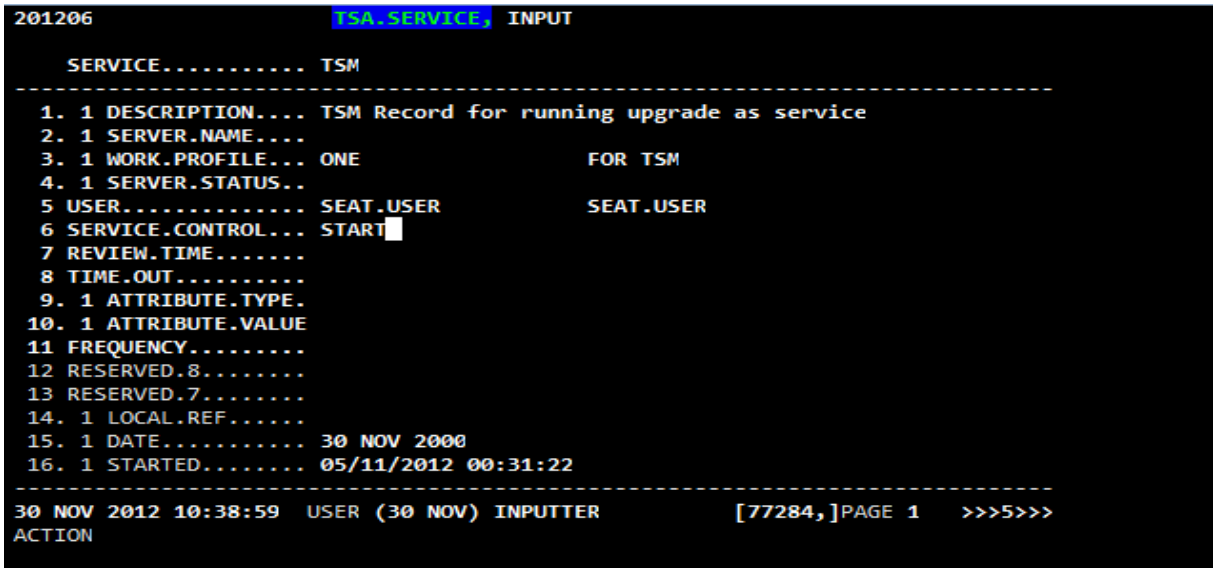
```
201015.006              BATCH.NEW.COMPANY - Default Exceptions

   ID                                              STATUS  DATE.TIME     FUNCT.
------------------------------------------------------------------------------
1  AA.INTEGRITY.CHECK                              INAU    23 JAN 13 16:27
2  AA.SYSTEM.CHECKS                                INAU    23 JAN 13 16:27
3  AC.EXPOSURE.END.OF.DAY                          INAU    01 FEB 13 16:39
4  CONV.AC.UPDATE.IC.CHARGE                        INAU    01 FEB 13 16:39
5  FT.RATES.FIXING.PROCESS                         INAU    01 FEB 13 16:38
6  SP.CONSOLIDATION.SERVICE                        INAU    01 FEB 13 16:38
7  TV.REPORT.GENERATION                            INAU    01 FEB 13 16:38
8  TV.VERIFY.COB.REPORTS                           INAU    01 FEB 13 16:38

------------------------------------------------------------------------------
01 FEB 2013 16:46:26  USER (22 DEC) INPUTTER          [17248,]PAGE   1 >>>1>>>
ACTION
AWAITING PAGE INSTRUCTIONS
```



Now run the T24 service RUN.CONVERSION to run the conversions if any existing.

RUN.CONVERSION

Before starting the Service we put “START” to **tSM** and **BNK/RUN.CONVERSION** in F.TSA.SERVICE record.



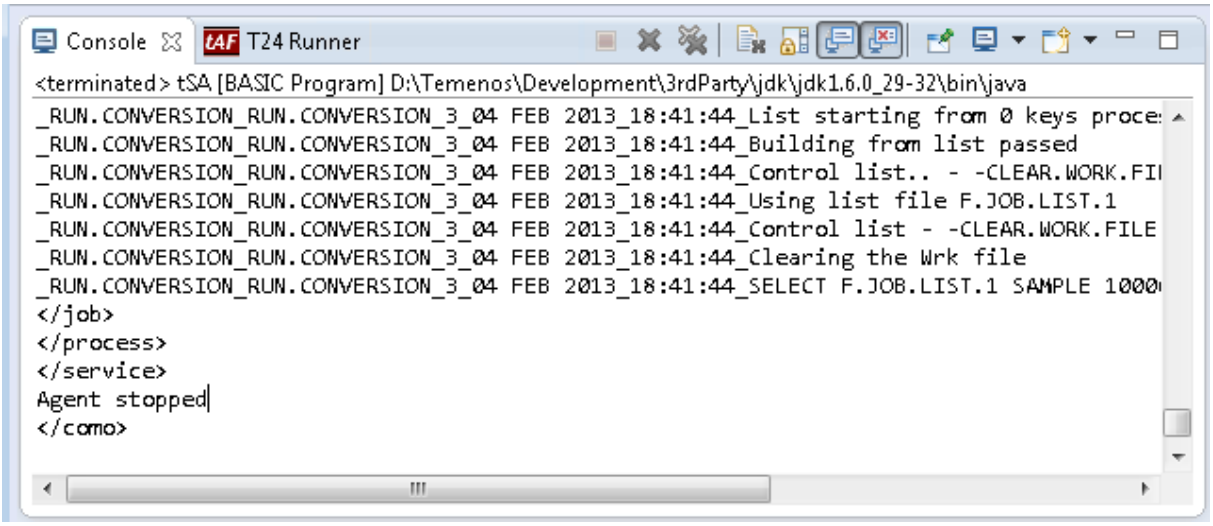
```
201206                  TSA.SERVICE, INPUT

    SERVICE........... BNK/RUN.CONVERSION
--------------------------------------------------------------------------------
  1. 1 DESCRIPTION.... Conversion after Upgrade
  2. 1 SERVER.NAME....
  3. 1 WORK.PROFILE... ONE                  FOR TSM
  4. 1 SERVER.STATUS..
  5 USER.............. INPUTTER             INPUTTER
  6 SERVICE.CONTROL... START
  7 REVIEW.TIME.......
  8 TIME.OUT..........
  9. 1 ATTRIBUTE.TYPE.
 10. 1 ATTRIBUTE.VALUE
 11 FREQUENCY.........
 12 RESERVED.8........
 13 RESERVED.7........
 14. 1 LOCAL.REF......
 15. 1 DATE........... 30 NOV 2000
 16. 1 STARTED........ 05/11/2012 00:31:32
--------------------------------------------------------------------------------
30 NOV 2012 10:39:52  USER (30 NOV) INPUTTER          [77284,]PAGE 1    >>>5>>>
ACTION
```

Now we can start the tSM to run the service.

From TAFJ_HOME/bin run

`tRun START.TSM`

We can find the appropriate como for the service in como folder specified.



Once this process is finished, we can now login into T24 and run the enquiry EXCEPTION to have a look at the data records which are in $INAU status .

NOTE : Since the Enquiry EXCEPTION, make use of IDESC **USER.REC,** we make the following changes to make this enquiry work in TAFJ without making use of IDESC.

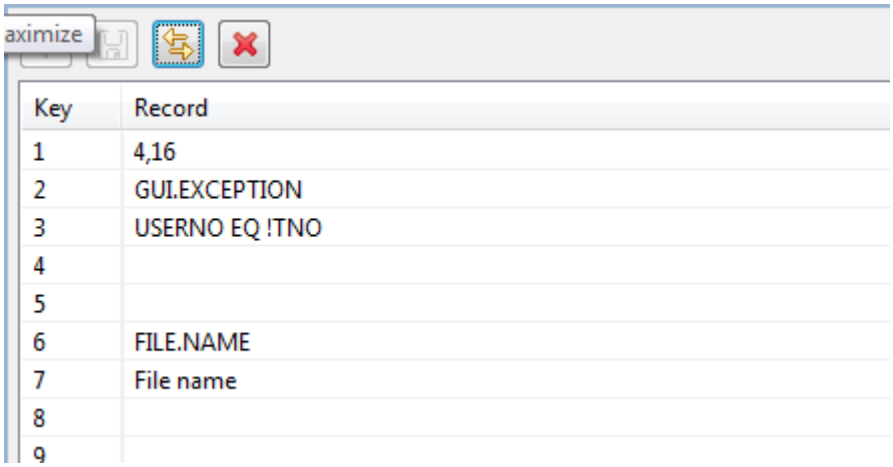
Change F.ENQUIRY EXCEPTION

JED F.ENQUIRY EXCEPTION

Replace 3rd field with the following values.

Instead of **USER.REC EQ 1** replace with **USERNO EQ !TNO**

remove SORT.FLD from 4th field .



Key	Record
1	4,16
2	GUI.EXCEPTION
3	USERNO EQ !TNO
4	
5	
6	FILE.NAME
7	File name
8	
9	

Once done, we run the enquiry EXCEPTION .

```
 201015.006
List of Unauthorised Files

 ------------------------------------------------------------------------------
 1   F.AA.ACTIVITY.CLASS                      52   52     0     0     0     0     0
 2   F.AA.BILL.TYPE                            6    6     0     0     0     0     0
 3   F.AA.PERIODIC.ATTRIBUTE.CLASS            16   16     0     0     0     0     0
 4   F.AC.EVENT                                5    5     0     0     0     0     0
 5   F.ALT.ACCT.PARAMETER                      2    2     0     0     0     0     0
 6   F.BATCH                                  54   54     0     0     0     0     0
 7   F.BATCH.NEW.COMPANY                       8    8     0     0     0     0     0
 8   F.BC.SORT.CODE                            1    1     0     0     0     0     0
 9   F.BROWSER.TOOLBAR                         4    4     0     0     0     0     0
10   F.BROWSER.TOOLS                          20    5     0     0     0     0    15
11   F.CATEGORY                                1    1     0     0     0     0     0
12   F.CONTEXT.ENQUIRY                        11   11     0     0     0     0     0
13   F.CONVERSION.PGMS                         4    4     0     0     0     0     0



 ------------------------------------------------------------------------------
 01 FEB 2013 16:47:48  USER (22 DEC) INPUTTER          [17248,]PAGE   1 >>>3>>>
 ACTION
 AWAITING PAGE INSTRUCTIONS
```

We can either authorize the records manually or can use a program AUTO.AUTHORISE to authorize all the existing $NAU records.

AUTO.AUTHORISE

AUTHORISING RECORDS using routine AUTO.AUTHORISE.

This routine should be launched from TAFJ_HOME/bin folder with an argument –S (to make read the list file from &SAVEDLIST&)

```
tRun AUTO.AUTHORISE –S
```

The program prompts for USERNAME/PASSWORD for authorizing along with name of file from &SAVEDLISTS&.

Here we need to specify the filename REL.201209.DATA generated in &SAVEDLISTS&.

```
<terminated> AUTO.AUTHORISE [BASIC Program] D:\Temenos\Development\3rdParty\jdk\jdk1.6.0_29-32\bin\java
INPUT T24 USERNAME FOR AUTORISING :
?INPUTT
INPUT PASSWORD :
?123456
Enter List ID from Savedlists :REL.201209.DATA
AA.ACTIVITY.CLASS,/A/PROCESS,INPUTT/123456,LENDING-WRITE.OFF-BALANCE.MAINTENANCE
LENDING-WRITE.OFF-BALANCE.MAINTENANCE/SEAT123357397838042.00/-1/NO,@ID:1:1=UNAUTH. RECORD MISSING
AA.ACTIVITY.CLASS,/A/PROCESS,INPUTT/123456,LENDING-WRITE.OFF.BALANCE-BALANCE.MAINTENANCE
LENDING-WRITE.OFF.BALANCE-BALANCE.MAINTENANCE/SEAT123357397838042.02/-1/NO,@ID:1:1=UNAUTH. RECORD MISSING
AA.ACTIVITY.CLASS,/A/PROCESS,INPUTT/123456,LENDING-WRITE.OFF.BILL-BALANCE.MAINTENANCE
LENDING-WRITE.OFF.BILL-BALANCE.MAINTENANCE/SEAT123357397838042.04/-1/NO,@ID:1:1=UNAUTH. RECORD MISSING
AM.CALC.METHOD,/A/PROCESS,INPUTT/123456,Annualised
Annualised/SEAT123357397838042.06/-1/NO,INVALID FUNCTION KEY
AM.CALC.METHOD,/A/PROCESS,INPUTT/123456,Daily
Daily/SEAT123357397838042.08/-1/NO,@ID:1:1=UNAUTH. RECORD MISSING
BROWSER.TOOLBAR,/A/PROCESS,INPUTT/123456,ARC.DEPOSIT
ARC.DEPOSIT/SEAT123357397838042.10/-1/NO,INVALID FUNCTION KEY
BROWSER.TOOLS,/A/PROCESS,INPUTT/123456,ARC.AA.BLANK
ARC.AA.BLANK/SEAT123357397838042.12/1,TOOLTIP:1:1=.,TYPE:1:1=ACTION,TEXT:1:1=Blank,IMAGE:1:1=blankECS,STYLE:1:1=INAU,RESERVED.5:1:1=1,RESERVED.4:1:1=1_201209,RESERVED.3:1:1=12113
BROWSER.TOOLS,/A/PROCESS,INPUTT/123456,ARC.LOAN.BLANK
ARC.LOAN.BLANK/SEAT123357397838043.01/1,TOOLTIP:1:1=.,TYPE:1:1=ACTION,TEXT:1:1=blank,IMAGE:1:1=blankarc,DISPLAY.TYPE:1:1=TEXT.IMAGE,STYLE:1:1=INAU,RESERVED.5:1:1=1,RESERVED.4:1:1
CONVERSION.DETAILS,/A/PROCESS,INPUTT/123456,CONV.LC.PARAMETERS.R13
CONV.LC.PARAMETERS.R13/SEAT123357397838043.03/-1/NO,@ID:1:1=UNAUTH. RECORD MISSING
```