



TEMENOS™

TAFJ-Updater

R14/R15

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Temenos



Amendment History:

Revision	Date Amended	Name	Description
1	1 st April 2011	TAFJ team	Initial version
2	7 st February 2012	H. Aubert	R12GA review
3	16 th January 2013	R. Vincent	R13GA review
4	13 th February 2014	R. Vincent	R14GA review
5	10 th March 2015	H. AUBERT	R15 AMR review

Table of Contents

Copyright.....4

Errata and Comments.....4

Install the Parent Installer.....5

Add the T24 TAFJ Child Installer Service to the ParentInstaller.....5

What the Child Installer Does.....8

Showing Version of TAFJ Components.....8

Logging for the TAFJ Child Installer.....9

A T24 TAFJ Update Example.....10

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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:

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Install the Parent Installer

This section assumes you have already installed the ModelBank pack somewhere. Set the **T24_HOME** to the **bnkbnk.run** dir and install the Parent Installer under it. You obtain the ParentInstaller kit from Distribution. The ParentInstaller program delegates work (the actual updating process) to a child installer for TAFJ, TAFC, T24, etc. Each child installer is defined as a service to the ParentInstaller.

The key in the TAFj properties file is `temn.tafj.runtime.directory.current`

Add the T24 TAFJ Child Installer Service to the ParentInstaller

Add the service for T24 TAFJ as shown below in the `T24_HOME/updater/config/updater.xml` file. Comment out other services defined that are not used.

```
<service name="T24" pathType="EXEC" updateType="AUTO">
  <path>[TAFJ_HOME]\bin\tRun.bat t24Version</path>
  <installpath>[T24_HOME]\updater\updates\tmp</installpath>
  <installprogram>[TAFJ_HOME]\bin\t24Updater.bat</installprogram>
</service>
```

Test the ParentInstaller by showing the T24 component versions as shown below.

- `C:\T24\bnk\bnk.run>set T24_HOME = c:\T24\bnk\bnk.run`
- `temn.tafj.runtime.directory.current = c:\T24\bnk\bnk.run`
- `C:\T24\bnk\bnk.run >set PATH=%PATH%;%T24_HOME%\updater\bin`

Execute C:\T24\bnk\bnk.run>updater -help

```
java com.temenos.upgrader.Upgrader -report -version
```

-report Report only. Reports the components/dependencies only and doesn't run the updater.

-version Show the version of the updater.

Execute C:\T24\bnk\bnk.run>updater -report

T24 Updater

Loading Upgrader configuration from:

c:\globus\mbr10\bnk.run\updater\config\updater.xml

Update Dir: c:\globus\mbr10\bnk.run\updater\updates

Config Path: c:\globus\mbr10\bnk.run\updater\config

\$JBCRELEASEDIR: null

\$TAFJ_HOME: C:\tafjhome_dev

\$T24_HOME: c:\globus\mbr10\bnk.run

```
<ivy-module version="1.0">
```

```
  <info organisation="Temenos" branch="200907_WIN64" module="T24"/>
```

```
  <dependencies>
```

```
    <dependency org="Temenos" branch="201112_WIN64" name="EB_Conversion"
rev="0"/>
```

```
    <dependency org="Temenos" branch="201112_WIN64" name="SCC_ClassicCA"
rev="0"/>
```

```
    <dependency org="Temenos" branch="201112_WIN64" name="AA_ActivityAPI"
rev="0"/>
```

```
    <dependency org="Temenos" branch="201112_WIN64" name="PD_Schedules" rev="0"/>
```

Etc.

Place an update in the **T24_HOME/updater/updates** directory and launch the updater from T24_HOME.

Update successful for R12_DE_Inward_1_java1.6.tar : Message: Upgrade successful!

Update successful for R12_DM_Foundation_1_java1.6.tar : Message: Upgrade successful!

Update failed for R12_DW_BiExport_12_java1.6.tar : Message: Cannot open file.

Skipping F.DW.EXPORT\$NAU

Output Summary:

20 files processed.

Updates not successful.

Exiting Updater...

What the Child Installer Does

- 1) Calls the TAFJRuntime API and invokes the program T24.UPDATE.INSTALLER with arguments –installpath (directory where update lives) and –updatefile (the actual update)
- 2) Copies jars from the T24 component update to the directory defined in property temn.tafj.directory.updates in tafj.properties
- 3) Deletes temporary directory where update was unzipped.

If one wants to bypass the Parent Installer (not suggested), one can do so by running:

```
t24Updater –installpath <path> -updatefile <absolute path to update>
```

In this case the zip file of updates must be unzipped to <path> beforehand. When running this, the T24 TAFJ child installer does the 3 steps shown above, but in bypassing the ParentInstaller, no version or dependency checking will be done.

Showing Version of TAFJ Components

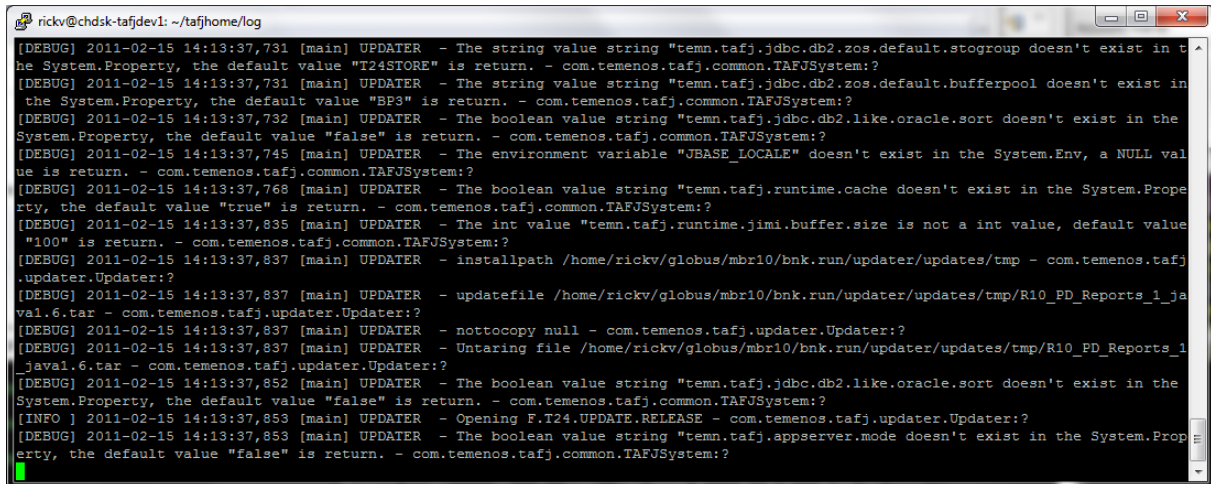
It is possible to show the version of all TAFJ components by running the tVersion utility (under TAFJ_HOME/bin) as shown below.

tVersion

```
<ivy-module version="1.0">
<info organisation="Temenos" module="TAFJ" branch="R12_ALL"/>
  <dependencies>
    <dependency org="Temenos" branch="R12_ALL" name="FJ_TAFJCommon" rev="0" />
    <dependency org="Temenos" branch="R12_ALL" name="FJ_TAFJCompiler" rev="0" />
    <dependency org="Temenos" branch="R12_ALL" name="FJ_TAFJConfHelper" rev="0" />
    <dependency org="Temenos" branch="R12_ALL" name="FJ_TAFJCore" rev="0" />
    <dependency org="Temenos" branch="R12_ALL" name="FJ_TAFJDBImport" rev="0" />
    <dependency org="Temenos" branch="R12_ALL" name="FJ_TAFJLocking" rev="0" />
    <dependency org="Temenos" branch="R12_ALL" name="FJ_TAFJPackager" rev="0" />
    <dependency org="Temenos" branch="R12_ALL" name="FJ_TAFJTelnetD" rev="0" />
    <dependency org="Temenos" branch="R12_ALL" name="FJ_TAFJIODeamon" rev="0" />
    <dependency org="Temenos" branch="R12_ALL" name="FJ_TAFJCommon" rev="0" />
    <dependency org="Temenos" branch="R12_ALL" name="FJ_TAFJCore" rev="0" />
    <dependency org="Temenos" branch="R12_ALL" name="FJ_TAFJIODeamon" rev="0" />
    <dependency org="Temenos" branch="R12_ALL" name="FJ_TAFJTelnetD" rev="0" />
    <dependency org="Temenos" branch="R12_ALL" name="FJ_TAFJBASIC" rev="0" />
  </dependencies>
</ivy-module>
```


Logging for the TAFJ Child Installer

Once the Parent Installer begins to install updates, you can see the child installer logs in TAFJ_HOME/log/updater.log as shown below:



```
rickv@chdsk-tafjdev1: ~/tafjhome/log
[DEBUG] 2011-02-15 14:13:37,731 [main] UPDATER - The string value string "temn.tafj.jdbc.db2.zos.default.stogroup" doesn't exist in the System.Property, the default value "T24STORE" is return. - com.temenos.tafj.common.TAFJSystem:?
[DEBUG] 2011-02-15 14:13:37,731 [main] UPDATER - The string value string "temn.tafj.jdbc.db2.zos.default.bufferpool" doesn't exist in the System.Property, the default value "BP3" is return. - com.temenos.tafj.common.TAFJSystem:?
[DEBUG] 2011-02-15 14:13:37,732 [main] UPDATER - The boolean value string "temn.tafj.jdbc.db2.like.oracle.sort" doesn't exist in the System.Property, the default value "false" is return. - com.temenos.tafj.common.TAFJSystem:?
[DEBUG] 2011-02-15 14:13:37,745 [main] UPDATER - The environment variable "JBASE_LOCALE" doesn't exist in the System.Env, a NULL value is return. - com.temenos.tafj.common.TAFJSystem:?
[DEBUG] 2011-02-15 14:13:37,768 [main] UPDATER - The boolean value string "temn.tafj.runtime.cache" doesn't exist in the System.Property, the default value "true" is return. - com.temenos.tafj.common.TAFJSystem:?
[DEBUG] 2011-02-15 14:13:37,835 [main] UPDATER - The int value "temn.tafj.runtime.jimi.buffer.size" is not a int value, default value "100" is return. - com.temenos.tafj.common.TAFJSystem:?
[DEBUG] 2011-02-15 14:13:37,837 [main] UPDATER - installpath /home/rickv/globus/mbri10/bnk.run/updater/updates/tmp - com.temenos.tafj.updater.Updater:?
[DEBUG] 2011-02-15 14:13:37,837 [main] UPDATER - updatefile /home/rickv/globus/mbri10/bnk.run/updater/updates/tmp/R10_PD_Reports_1_javal.6.tar - com.temenos.tafj.updater.Updater:?
[DEBUG] 2011-02-15 14:13:37,837 [main] UPDATER - nottocopy null - com.temenos.tafj.updater.Updater:?
[DEBUG] 2011-02-15 14:13:37,837 [main] UPDATER - Untaring file /home/rickv/globus/mbri10/bnk.run/updater/updates/tmp/R10_PD_Reports_1_javal.6.tar - com.temenos.tafj.updater.Updater:?
[DEBUG] 2011-02-15 14:13:37,852 [main] UPDATER - The boolean value string "temn.tafj.jdbc.db2.like.oracle.sort" doesn't exist in the System.Property, the default value "false" is return. - com.temenos.tafj.common.TAFJSystem:?
[INFO ] 2011-02-15 14:13:37,853 [main] UPDATER - Opening F.T24.UPDATE.RELEASE - com.temenos.tafj.updater.Updater:?
[DEBUG] 2011-02-15 14:13:37,853 [main] UPDATER - The boolean value string "temn.tafj.appserver.mode" doesn't exist in the System.Property, the default value "false" is return. - com.temenos.tafj.common.TAFJSystem:?
```

Afterwards, we can see how many updates processed by the TAFJ Child Installer by doing the following in **DBTools in SQL mode**

```
t24@10.44.5.93:T24>SELECT RECID FROM F_T24_RELEASE
```

```
|R12_TT_Contract_3
```

```
|R12_TT_ErrorCodes_2
```

```
|R12_TT_Foundation_1
```

Etc.

287 rows selected.

A T24 TAFJ Update Example

Copied the updates to the updates directory [UPDATER_HOME]/updates

```
$ pwd
/glodev1/tafj/tafjx01/TAFJ/T24UD
$ cd updater
$ ls
bin          config      doc          lib          processed   setup_files  updates
$ cd updates
$ ls
R12_AC_ModelBank_1_JAVA_1.6.zip
$
```

Install the update

```
$ updater

T24 Updater V2.3

Input Summary:
R12_AC_ModelBank_1_JAVA_1.6.zip
R12_AC_ModelBank_1_JAVA_1.6.jar
installing class fr.jayasoft.ivy.url.IvyAuthenticator
Update successful for R12_AC_ModelBank_1_JAVA_1.6.jar : Message:
Upgrade successful!

Output Summary:
1 files processed.
All updates successful.
Exiting Updater...
$
```

The T24.UPDATE.RELEASE before running the T24.UPDATES service:

```
201015.006      T24 UPDATE RELEASE SEE

T24.UPD.REL.NO.... R12_AC_ModelBank_1
-----
1. 1 GB DESCRIPTION. T24 Update for the Component AC_ModelBank
2. 1 CD.TYPE..... BG
3. 1 CD.NUMBER..... 318296
4. 1. 1 FILE.NAME... F.STANDARD.SELECTION
5. 1. 1 RECORD.NAME. NOFILE.AVAILABLE.BALANCES
6. 1. 1 REFERENCE... 318296
7. 1. 1 PROBLEM..... Enquiry AVAILABLE.BAL.LADDER shows incorrect output
8. 1. 1 SYMPTOM..... Enquiry AVAILABLE.BAL.LADDER shows incorrect output
9. 1. 1 FIX.DESCRIP. New conversion routine is introduced to generate enquiry output OPEN.
10. 1 PRIORITY..... Normal
19. 1 SAVED.VERSION.. 1
20. 1 SAVED.FROM..... /glodev4/vani/bnk/bnk.run
21. 1 SAVED.RELEASE.. R12
22. 1 SAVED.DATE..... 15 MAR 2012
23. 1 SAVED.TIME..... 06:25:24
24. 1 RESTORED.USER.. 6_INPUTTER
-----
11 JAN 2013 14:49:00 USER (22 DEC) SEAT.USER      [38210,]PAGE 1  >>>3>>>
ACTION
AWAITING PAGE INSTRUCTIONS
```

```
T24.UPD.REL.NO.... R12_AC_ModelBank_1
-----
29 PRODUCT..... AC
30 USE.DIMENSIONS... Y
31. 1 SV.FILE.NAME... F.STANDARD.SELECTION
32. 1 SV.RECORD.NAME. NOFILE.AVAILABLE.BALANCES
33 DATA.RELEASED.... N
44 CURR.NO..... 1
45. 1 INPUTTER..... 71288_SEAT.AUTH
46. 1 DATE.TIME..... 11 JAN 13 14:45
47 AUTHORISER..... 71288_SEAT.AUTH
48 CO.CODE..... US-001-0001      201015.006
49 DEPT.CODE..... 1              Implementation
-----
11 JAN 2013 14:49:12 USER (22 DEC) SEAT.USER      [38210,]PAGE 3
ACTION
AWAITING PAGE INSTRUCTIONS
```

&SAVEDLISTS& and &COMO& o/p:

```
$ cd \&SAVEDLISTS\&
$ ls
REL.R12_AC_ModelBank_1
$ cat REL.R12_AC_ModelBank_1
F.STANDARD.SELECTION>NOFILE.AVAILABLE.BALANCES
$
```

```
$ cat UPD.R12_AC_ModelBank_1
COMO UPD.R12_AC_ModelBank_1 established Fri Jan 11 14:53:08 IST 2013
[14:53:09]SH -c jar -xvf /glodev1/tafj/tafjx01/TAFJ/T24UD/updater/updates.
Success:Update R12_AC_ModelBank_1, Successfully copied the libraries and
COMO completed Fri Jan 11 14:53:09 IST 2013
$
```

The component jars get copied to a directory updates in TAFJ_HOME defined by property temn.tafj.directory.updates. There will be a new folder created inside, with the update name and jars from the updates directory are copied into this folder.

```
$ cd ..
$ cd updates
$ ls
AC_ModelBank.jar      R12_AC_ModelBank_1.jar
$
```

Copy the component jar AC_ModelBank.jar to the precompiled directory (defined in tafj.properties). In most customer cases, this would be a directory known by the application server.

```
$ pwd
/glodev1/tafj/tafjx01/TAFJ/T24UD
$ cd
$ cd /glodev1/tafj/tafjx01/Precompiled
$ pwd
/glodev1/tafj/tafjx01/Precompiled
$ cd /glodev1/tafj/tafjx01/TAFJ/updates
$ LS *
sh: LS: not found.
$ ls
AC_ModelBank.jar          R12_AC_ModelBank_1.jar
$ cp AC_ModelBank.jar /glodev1/tafj/tafjx01/Precompiled
$
```

tShow of one of the CLASS files available in the component jar.

```
$ tShow E.GET.ENTRY.DETS
Home : '/glodev1/tafj/tafjx01/TAFJ'

- Project : 'tafj' [ FOUND ]
  BASIC source : 'D:\Karthik\Source\Update\T24_BP\E.GET.ENTRY.DETS'
  BASIC package : 'com.temenos.t24'
  BASIC Import(s) : 'com.temenos.t24'
  JAVA class : 'file:/glodev1/tafj/tafjx01/Precompiled_1/AC_ModelBank.jar!/com/temenos/t24/E_GET_ENTRY_DETCl.class'
  Compiled the : 10 Jan 2013 21:15:18
               on : maad11107354
  Compiled with TAFJ : < R13GA
  Timestamp : 1357832718031
  Grammar : 1
  Include Basic Replacement : false
```

```
$ tShow E.GET.ENTRY.DETS
Home : '/glodev1/tafj/tafjx01/TAFJ'

- Project : 'tafj' [ FOUND ]
  BASIC source : '/glodev2/compilation/r12comp/TestBase/TestBase.run/tmp/R12_AC_ModelBank_1.SOURCE/E.GET.ENTRY.DETS'
  BASIC package : 'com.temenos.t24'
  BASIC Import(s) : 'com.temenos.t24'
  JAVA class : 'file:/glodev1/tafj/tafjx01/Precompiled_1/AC_ModelBank.jar!/com/temenos/t24/E_GET_ENTRY_DETCl.class'
  Compiled the : 11 Jan 2013 18:14:37
               on : maa2devax4
  Compiled with TAFJ : R12 201213.2
  Timestamp : 1357908277509
  Grammar : 1
  Include Basic Replacement : false
```

The Service BNK/T24.UPDATES has to be run to release the data records of the T24 Updates. The co-responding Batch record BNK/T24.UPDATES should have “T24.UPDATES” entered in the DATA field.

```

BATCH PROCESS..... T24.UPDATES
-----
1 BATCH.STAGE.....
2 DEFAULT.PRINTER...
3 PROCESS.STATUS.... 0
4 BATCH.ENVIRONMENT. F
5 DEPARTMENT.CODE...
6. 1 JOB.NAME..... T24.UPGRADE      Upgrade Service
7. 1. 1 VERIFICATION
8. 1 FREQUENCY..... D
9. 1 NEXT.RUN.DATE..
10. 1 PRINTER.NAME...
11. 1. 1 DATA..... T24.UPDATES
12. 1 JOB.STATUS..... 0
13. 1 LAST.RUN.DATE..
14. 1 JOB.MESSAGE....
15. 1 USER.....
16. 1 SELECT.AHEAD...
-----
10 JAN 2013 13:25:47  USER (22 DEC) SEAT.USER      [47893,1PAGE 1  >>>3>>>
ACTION
AWAITING PAGE INSTRUCTIONS
  
```

```

201015.006          TSA.SERVICE INPUT
-----
SERVICE..... T24.UPDATES
-----
1. 1 DESCRIPTION... T24 Updates service
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..... 22 DEC 2009
16. 1 STARTED..... 10/01/2013 14:27:24
-----
10 JAN 2013 14:28:57  USER (22 DEC) SEAT.USER      [34394, PAGE 1  >>>3>>>
ACTION
  
```

Run the service T24.UPDATES to complete the data record updates, authorization, and other processing that needs to take place.