Apparo Fast Edit

Configuration of Oracle Client

Version 3.2.2

1 Basics 3

2 Using Oracle Client for accessing the Apparo Repository and user data 4

2.1 Requirements 4

2.2 Testing Oracle Client 4

2.3 Closing Apparo Configuration Manager 4

2.4 Deleting Oracle file from Apparo Configuration Manager 5

2.5 Copying Oracle file to Apparo Configuration Manager 6

2.6 Deleting Oracle file from Apparo Application Server 7

2.7 Copying Oracle file to Apparo Apparo Application Server 8

2.8 Setting path to Oracle Client in Apparo Configuration Manager 9

2.9 Testing Oracle connection to Apparo Repository 10

2.10 Start Apparo 11

3 Using Oracle Client for accessing the user data only 12

3.1 Requirements 12

3.2 Testing Oracle Client 12

3.3 Stopping Apparo and closing Apparo Configuration Manager 12

3.4 Setting path to Oracle Client in Apparo Configuration Manager 13

3.5 Deleting Oracle file from Apparo Application Server 14

3.6 Copying Oracle file to Apparo Apparo Application Server 15

1 Basics

Apparo can use a Oracle connection for

- accessing the **Apparo Repository**
- accessing the **user data** for reading & writing

Apparo is supporting 2 different **Oracle technologies**:

- JDBC Thin
- JDBC Thick

JDBC Thin is accessing the Oracle database in a direct way. The necessary JDBC driver is part of the Apparo installation.

JDBC Thick is accessing the Oracle database using the Oracle Client (JDBC Type 2)
In this case **the Apparo installation must use the same driver version like the Oracle Client**.

This document is describing the necessary configuration if using Apparo and Oracle Client.

2 Using Oracle Client for accessing the Apparo Repository and user data

2.1 Requirements

- Apparo is working with **Oracle Client 64 Bit only**
- The Oracle Client must **be installed parallel to the Apparo application server** on the same host

2.2 Testing Oracle Client

Try in a cmd window:

tnsping <tns-service-name>

for Example: **tnsping orcl**

After that try the connection:

Sqlplus <login-user>/<login-password>@<tns-service-name>

Both must work successfully.

2.3 Closing Apparo Configuration Manager

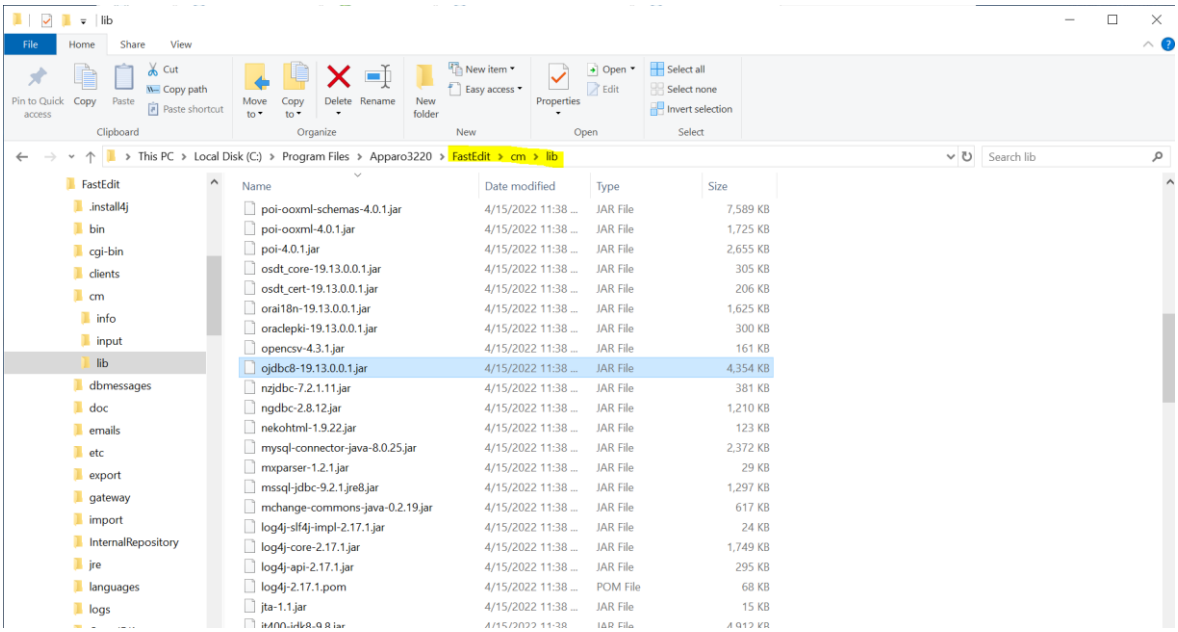
If Apparo application server is running or Apparo Configuration Manager is open then it is necessary to stop the **Windows service** and closing the window of **Apparo Configuration Manager**.

2.4 Deleting Oracle file from Apparo Configuration Manager

Apparo is using the Oracle driver version **19.13.0.0.1** but it must use the **exact same version** like the used Oracle Client.

Therefore it is necessary to **delete** first the file ojdbc8…jar:

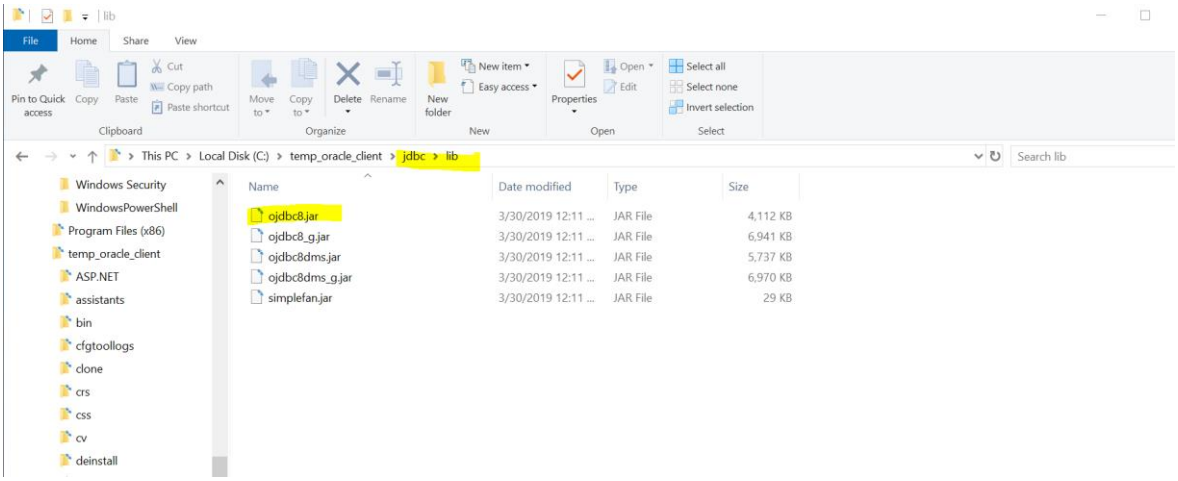
You can find it in the file directory **[APPARO_HOME]\FastEdit\cm\lib**



2.5 Copying Oracle file to Apparo Configuration Manager

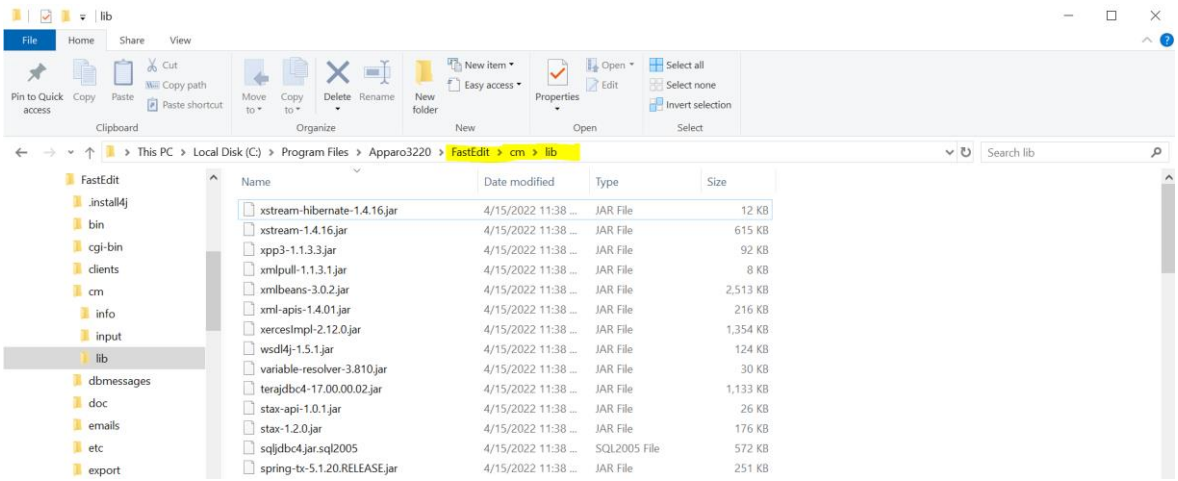
Copy the Oracle Client file ojdbc8.jar file from

[ORACLE_HOME]\jdbc\lib



to

[APPARO_HOME]\FastEdit\cm\lib



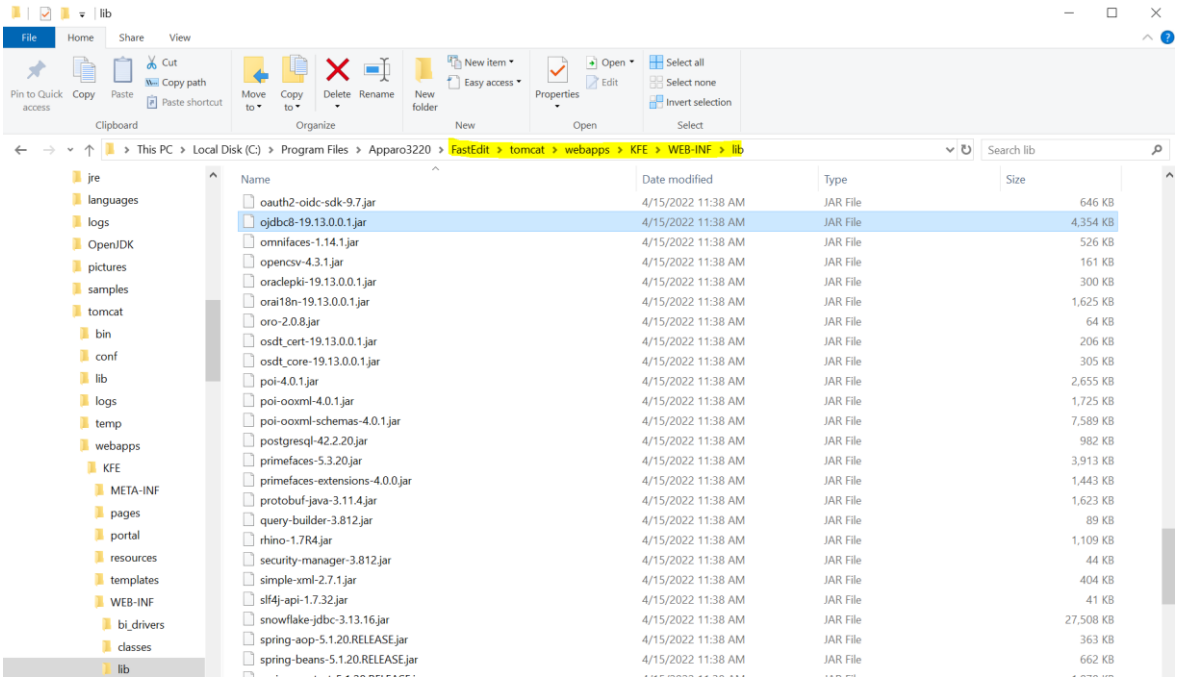
2.6 Deleting Oracle file from Apparo Application Server

Apparo is using the Oracle driver version **19.13.0.0.1** but it must use the **exact same version** like the used Oracle Client.

Therefore it is necessary to **delete** first the file ojdbc8…jar:

You can find it in the file directory

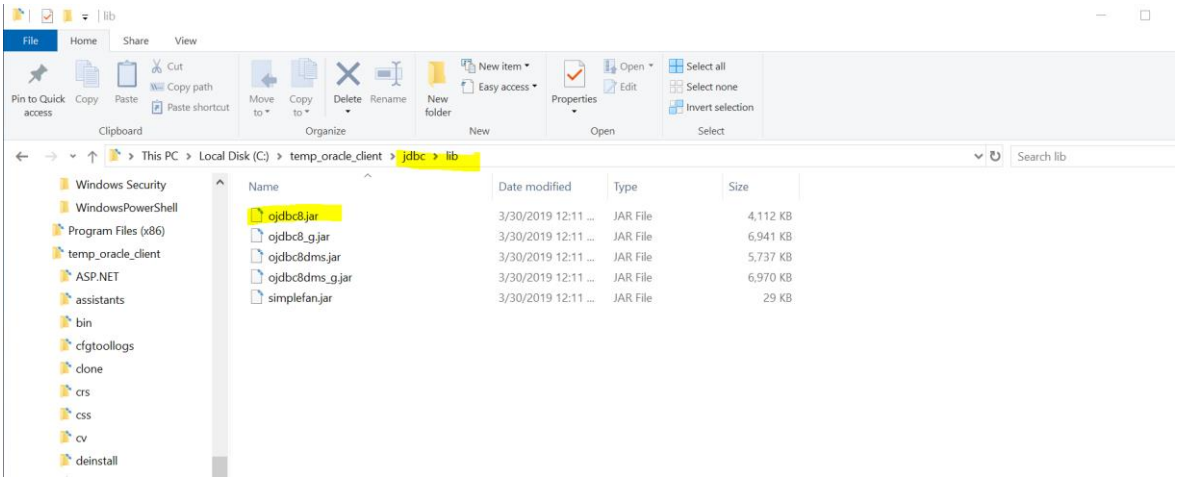
[APPARO_HOME]\FastEdit\tomcat\webapps\KFE\WEB-INF\lib



2.7 Copying Oracle file to Apparo Apparo Application Server

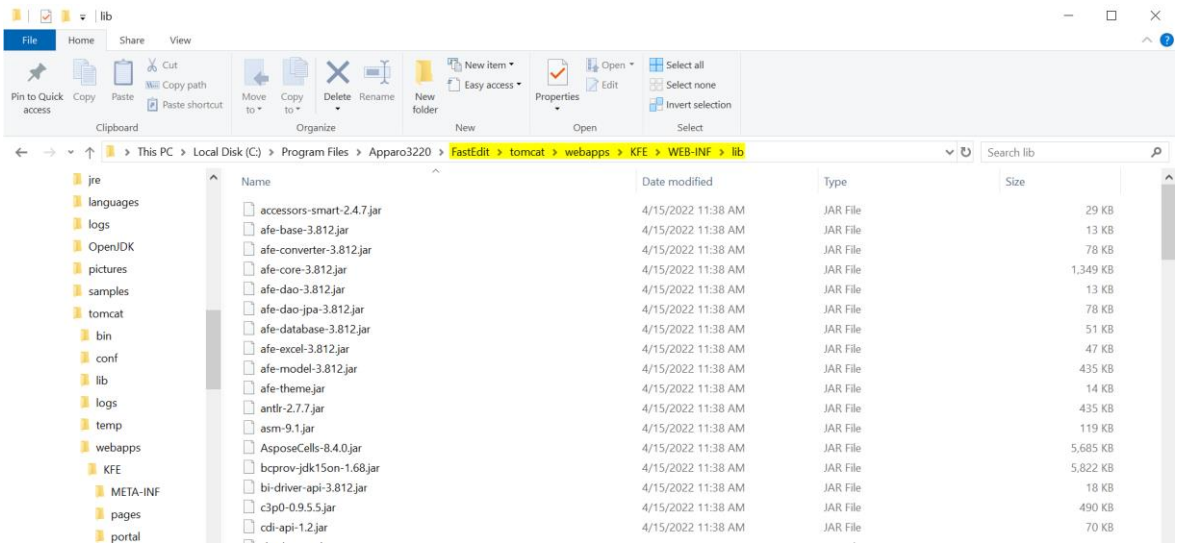
Copy the Oracle Client file ojdbc8.jar file from

[ORACLE_HOME]\jdbc\lib



to

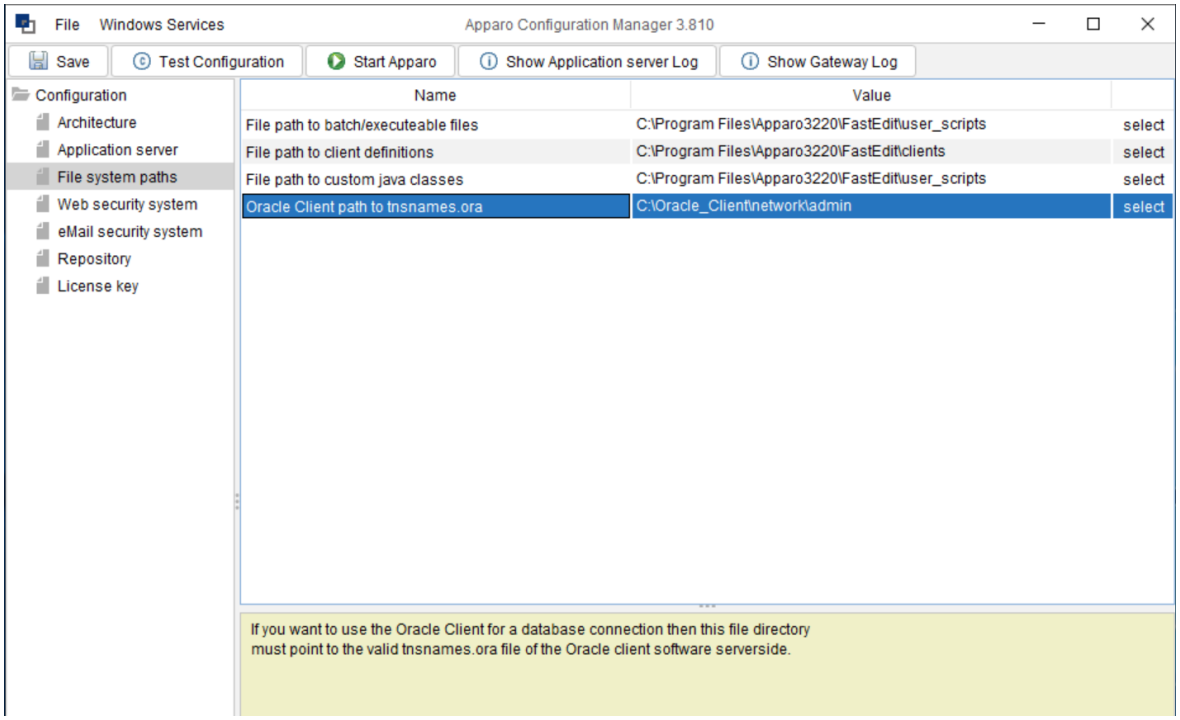
[APPARO_HOME]\FastEdit\tomcat\webapps\KFE\WEB-INF\lib



2.8 Setting path to Oracle Client in Apparo Configuration Manager

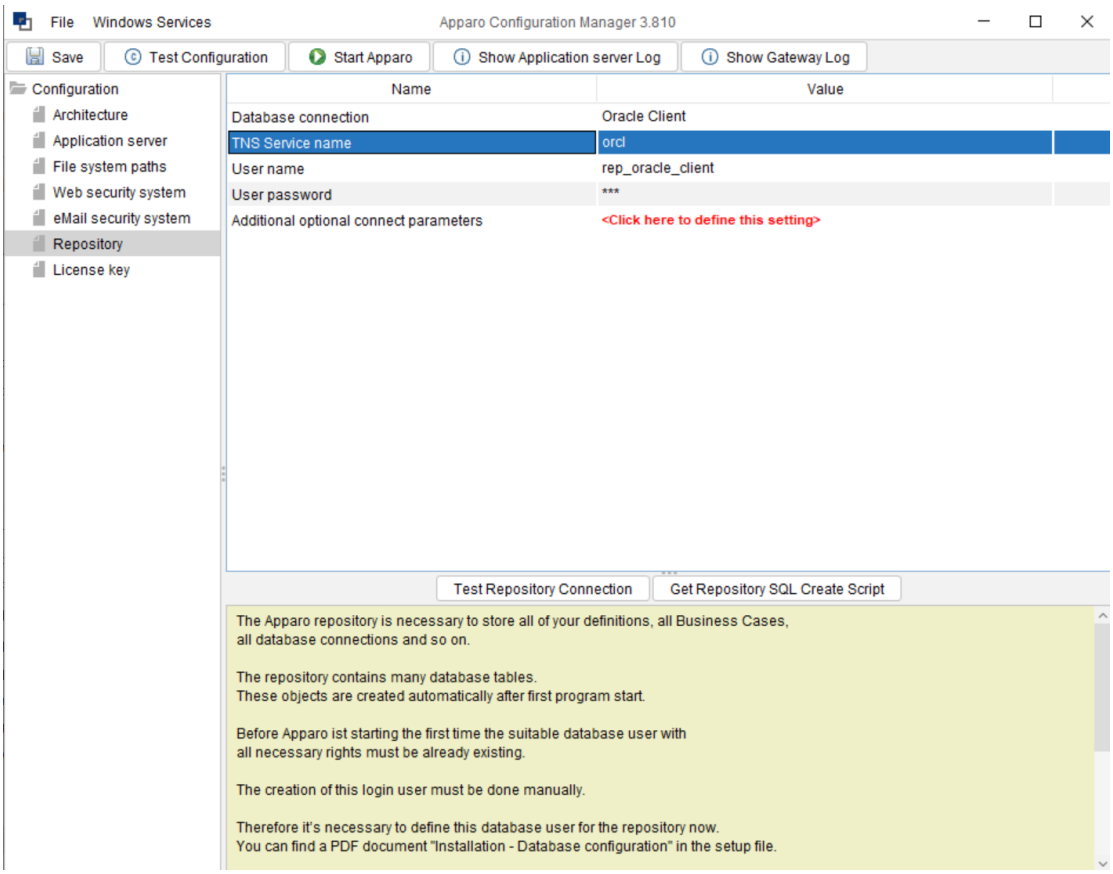
Apparo must be able to access the file tnsnames.ora. Therefore you must define the path in Configuration Manager.

[ORACLE_HOME]\network\admin



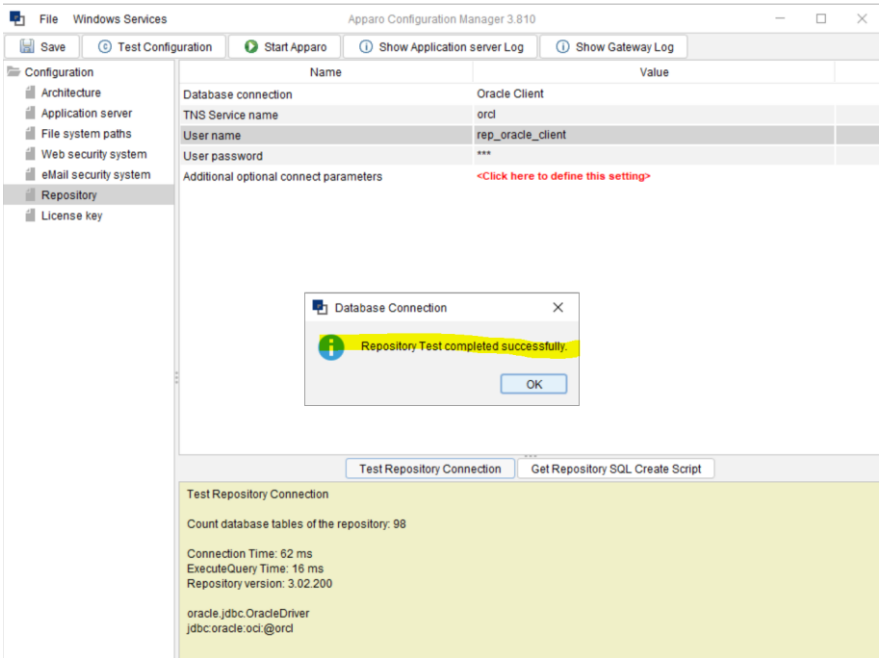
2.9 Testing Oracle connection to Apparo Repository

Select connection type "**Oracle Client**" and enter the connection data:



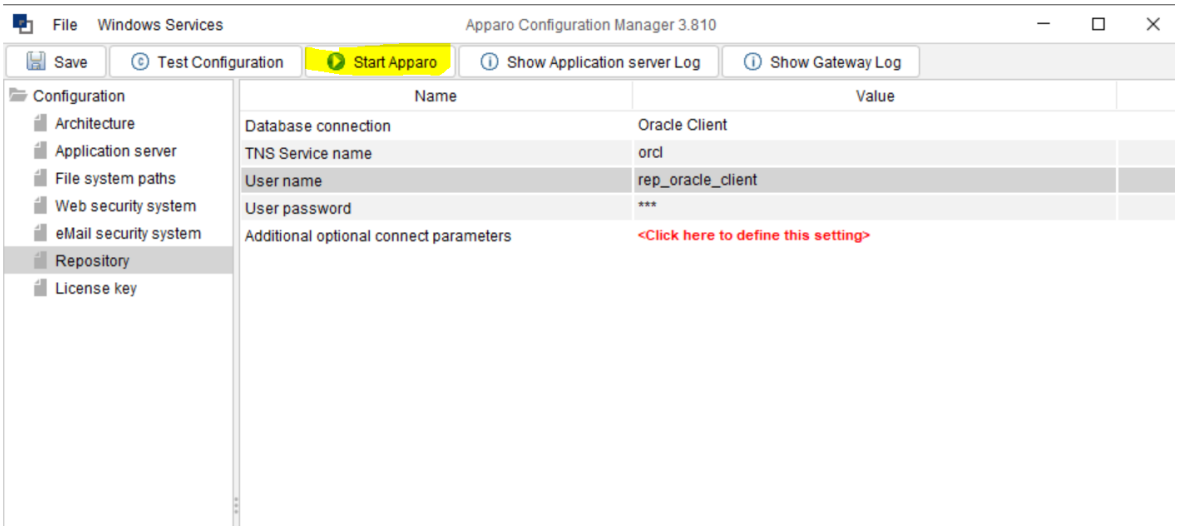
Press now the button "**Test Repository Connection**"

You should see this success message:

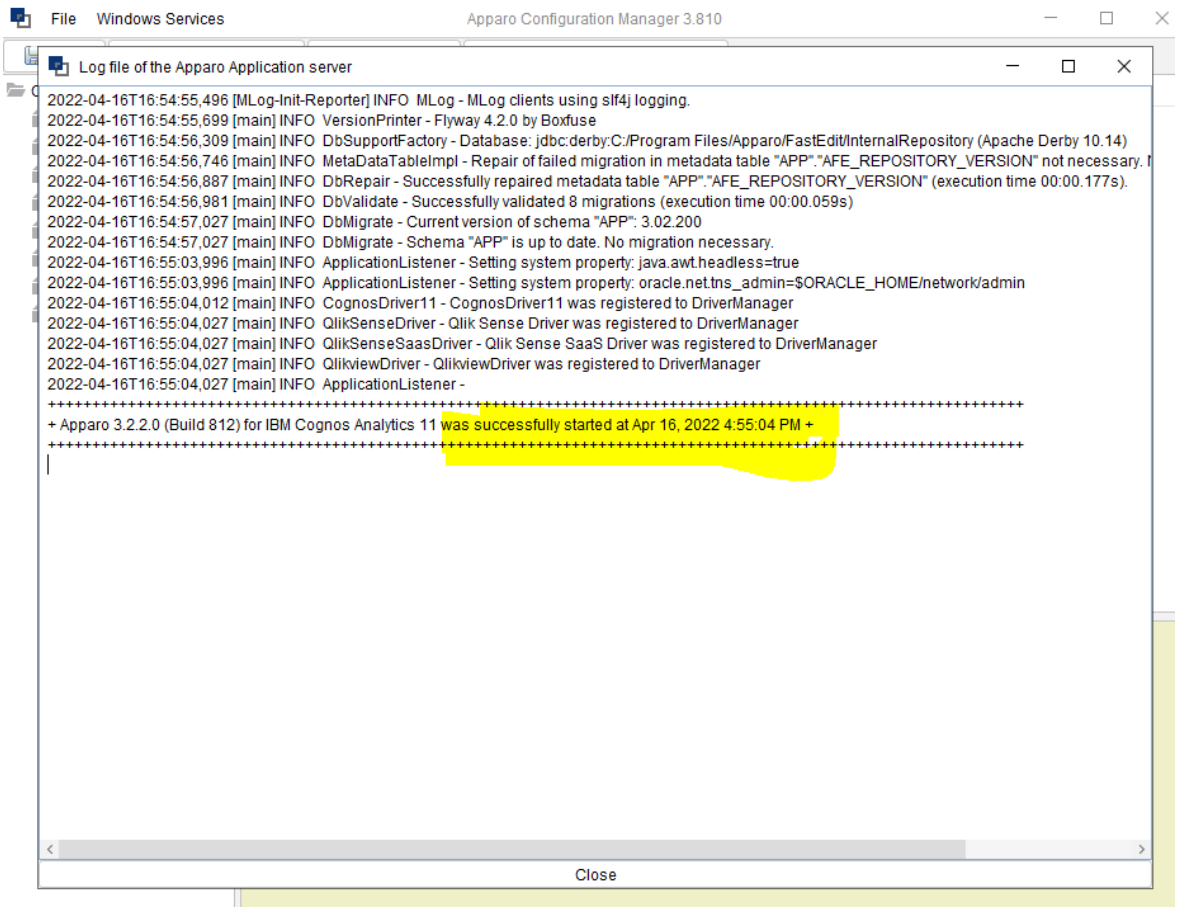


2.10 Start Apparo

After these changes you can start the Application Server:



And check the log with pressing button "**Show Application server Log**":



3 Using Oracle Client for accessing the user data only

In this case it is not necessary to make file changes for the Apparo Configuration Manager.
Changes are necessary for the **Apparo application server(s) only.**

3.1 Requirements

- Apparo is working with **Oracle Client 64 Bit only**
- The Oracle Client must **be installed parallel to the Apparo application server** on the same host

3.2 Testing Oracle Client

Try in a cmd window:

tnsping <tns-service-name>

for Example: **tnsping orcl**

After that try the connection:

Sqlplus <login-user>/<login-password>@<tns-service-name>

Both must work successfully.

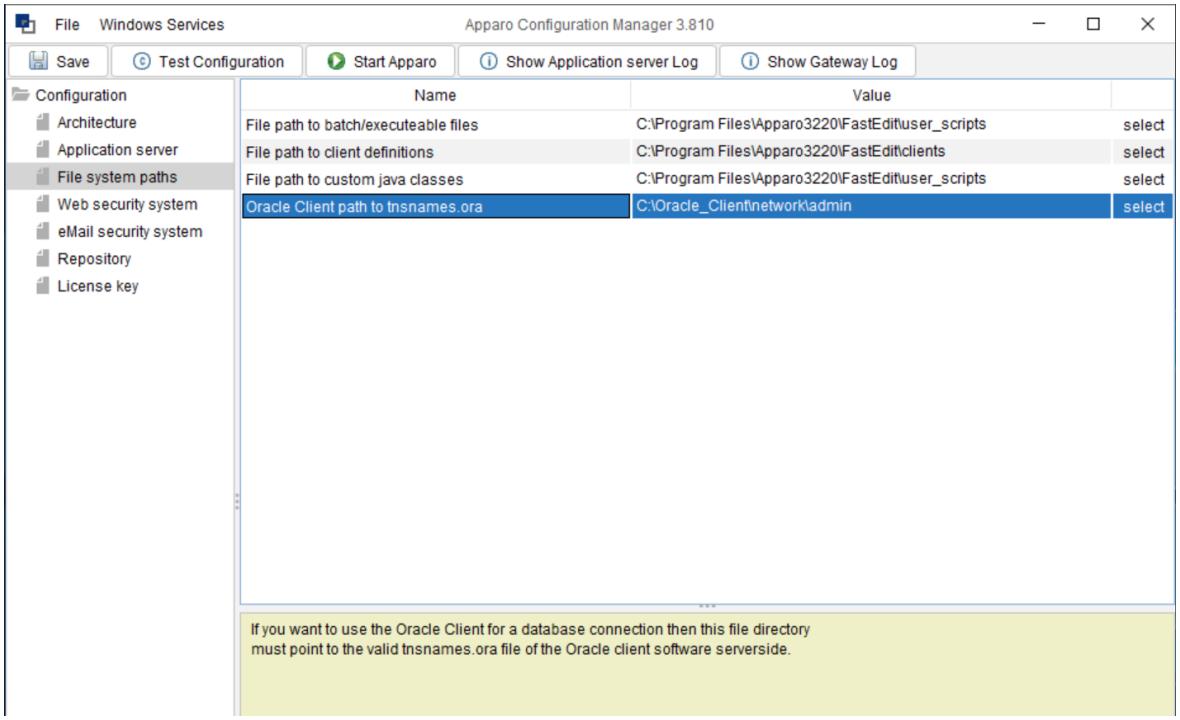
3.3 Stopping Apparo and closing Apparo Configuration Manager

If Apparo application server is running then it is necessary to stop the **Windows service**.

3.4 Setting path to Oracle Client in Apparo Configuration Manager

Apparo must be able to access the file tnsnames.ora. Therefore you must define the path in Configuration Manager.

[ORACLE_HOME]\network\admin



3.5 Deleting Oracle file from Apparo Application Server

Apparo is using the Oracle driver version **19.13.0.0.1** but it must use the **exact same version** like the used Oracle Client.

Therefore it is necessary to **delete** first the file ojdbc8…jar:

You can find it in the file directory
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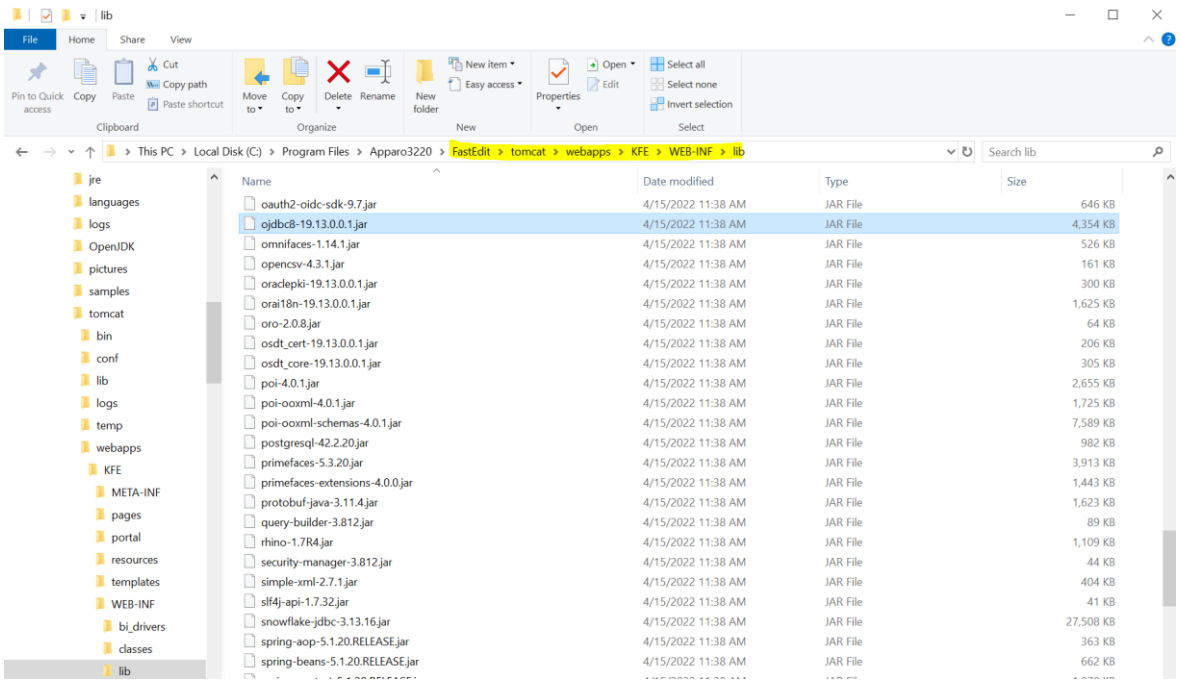
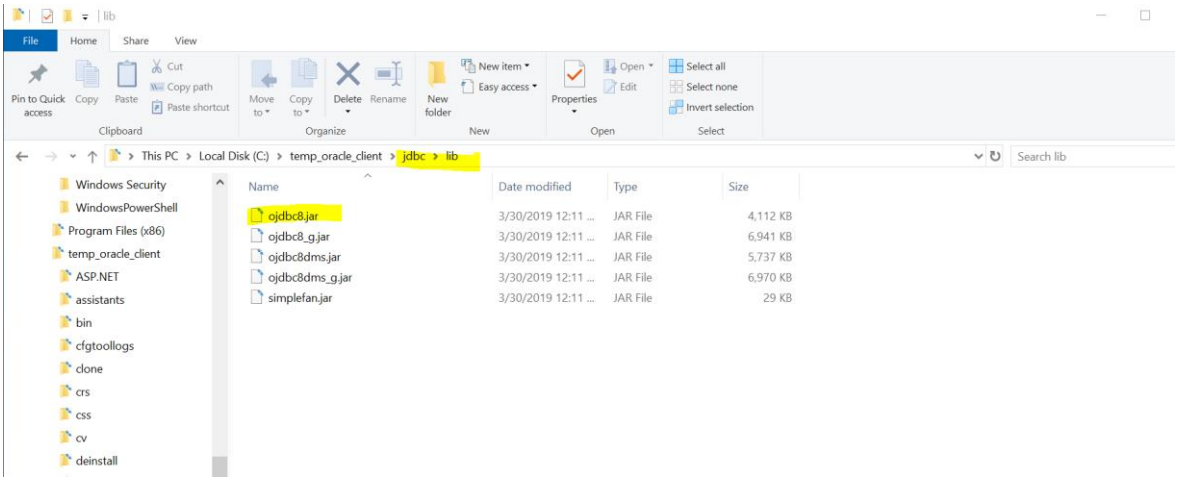


3.6 Copying Oracle file to Apparo Apparo Application Server

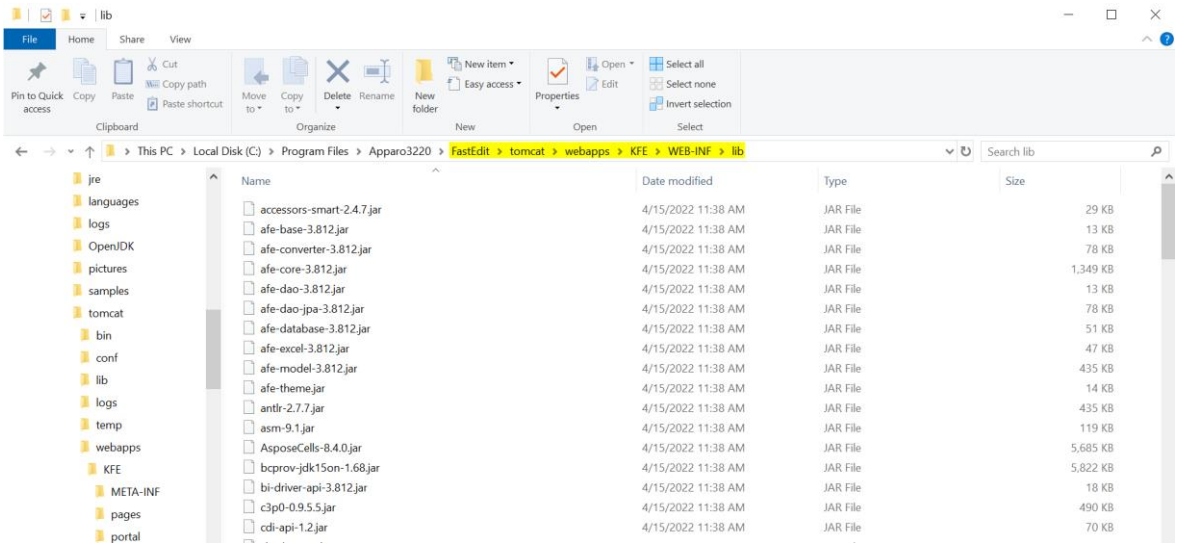
Copy the Oracle Client file ojdbc8.jar file from

[ORACLE_HOME]\jdbc\lib



to

[APPARO_HOME]\FastEdit\tomcat\webapps\KFE\WEB-INF\lib



After that it is necessary to start Apparo with the Apparo Configuration Manager, pressing button “Start Apparo”.