

Apparo Fast Edit

Configuration of Oracle Client

Version 3.3



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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

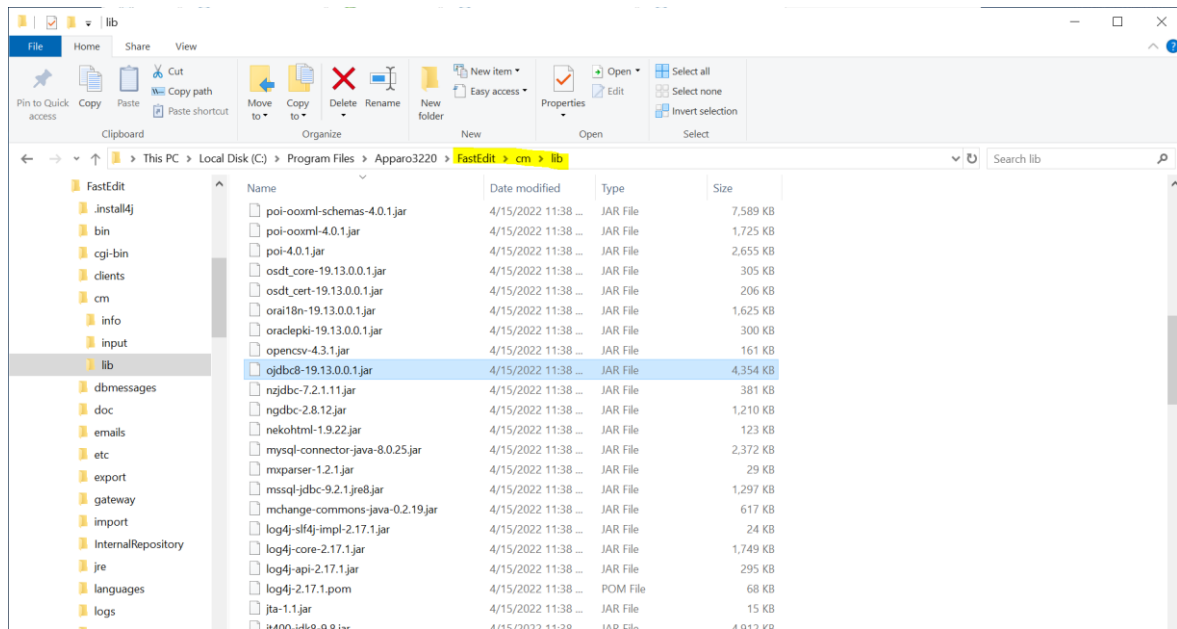
If Apparo application server is running or Apparo Configuration Manager is open then it is necessary to stop the **Windows service** and closing the window of **Apparo Configuration Manager**.

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:

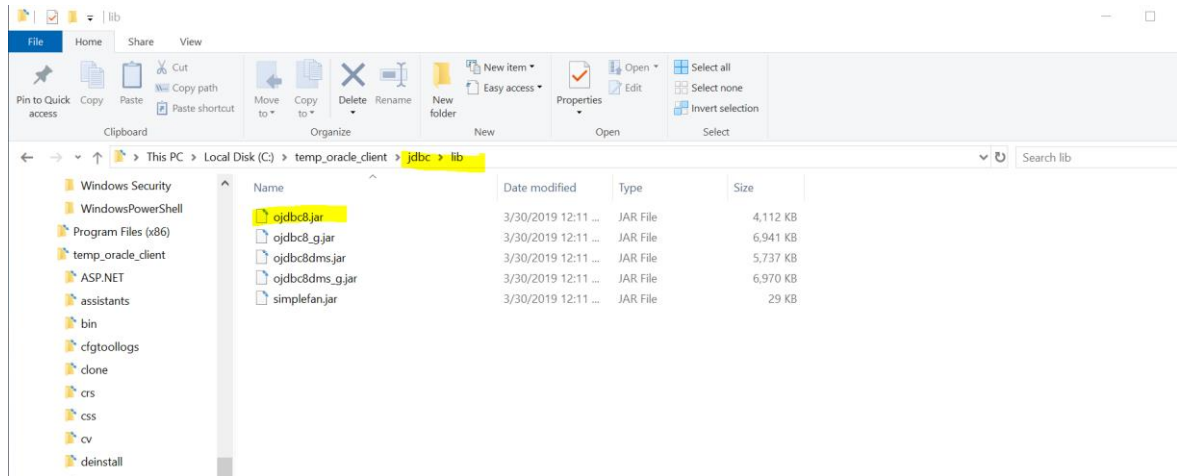
You can find it in the file directory **[APPARO_HOME]\FastEdit\cm\lib**



2.5 Copying Oracle file to Apparo Configuration Manager

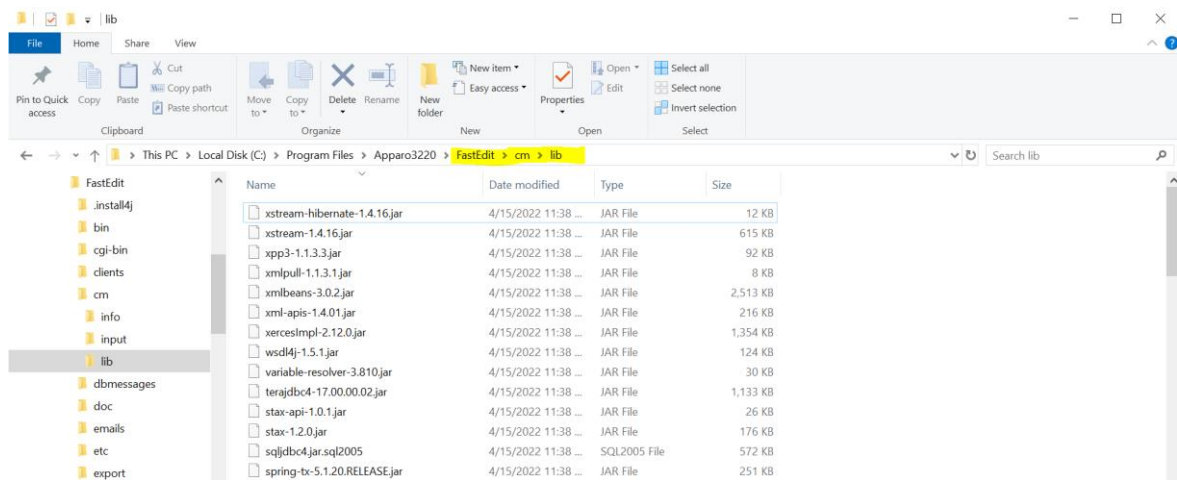
Copy the Oracle Client file ojdbc8.jar file from

[ORACLE_HOME]\jdbc\lib



to

[APPARO_HOME]\FastEdit\cm\lib



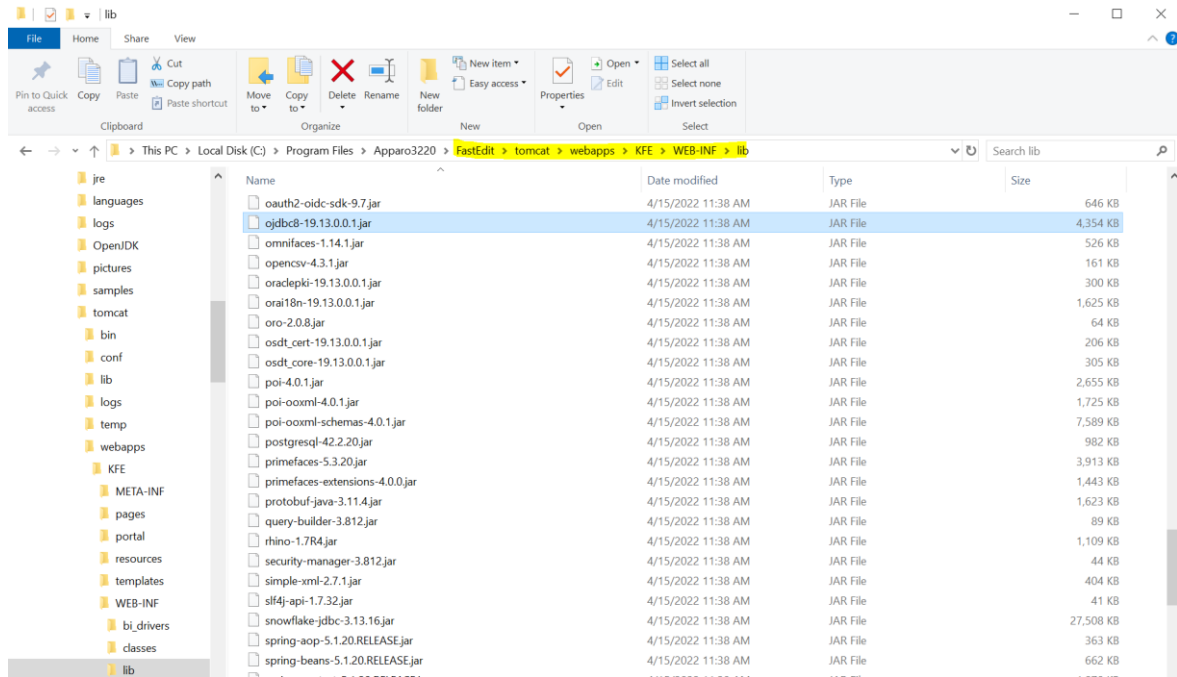
2.6 Deleting Oracle file from Apparo Application Server

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

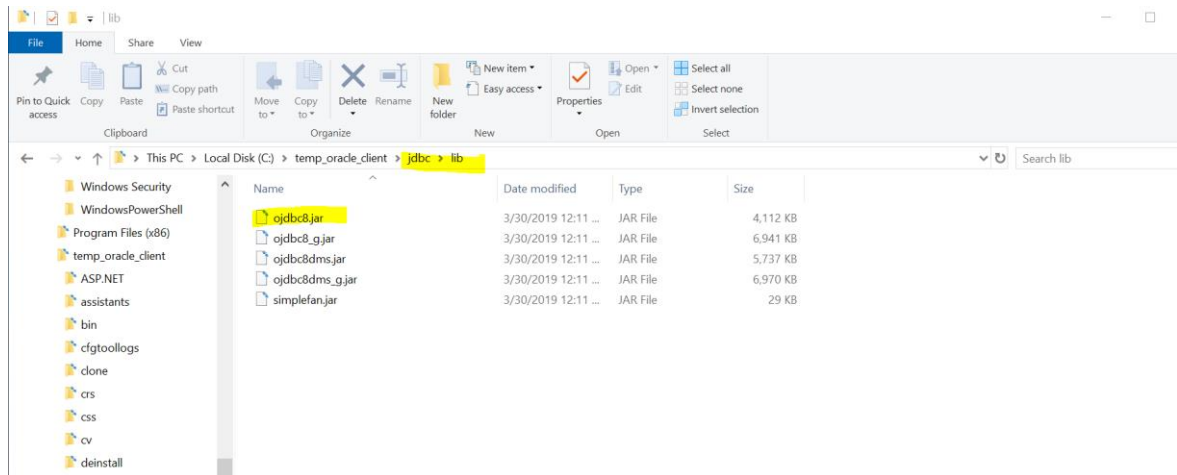
[APPARO_HOME]\FastEdit\tomcat\webapps\KFE\WEB-INF\lib



2.7 Copying Oracle file to Apparo Apparo Application Server

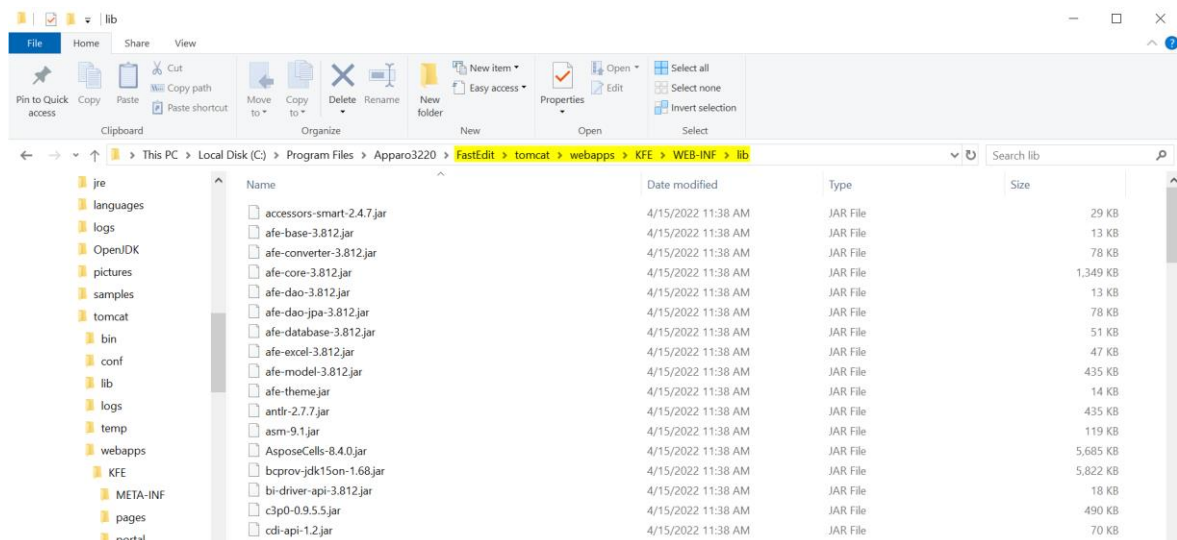
Copy the Oracle Client file ojdbc8.jar file from

[ORACLE_HOME]\jdbc\lib



to

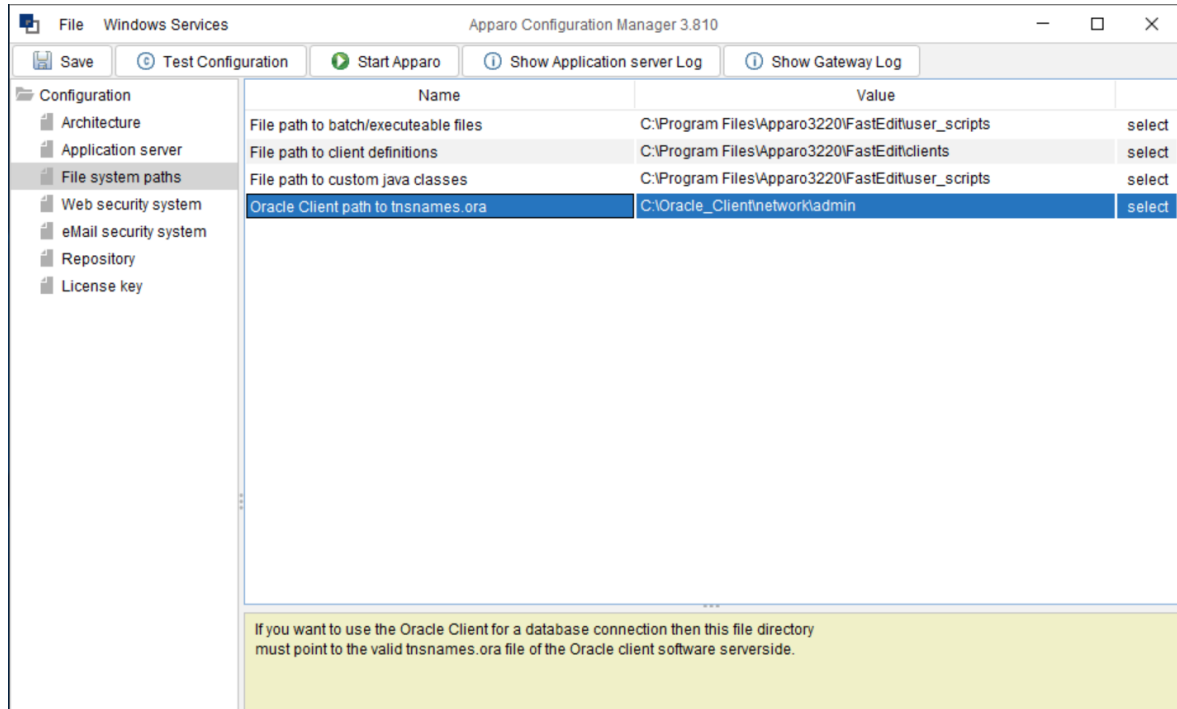
[APPARO_HOME]\FastEdit\tomcat\webapps\KFE\WEB-INF\lib



2.8 Setting path to Oracle Client in Apparo Configuration Manager

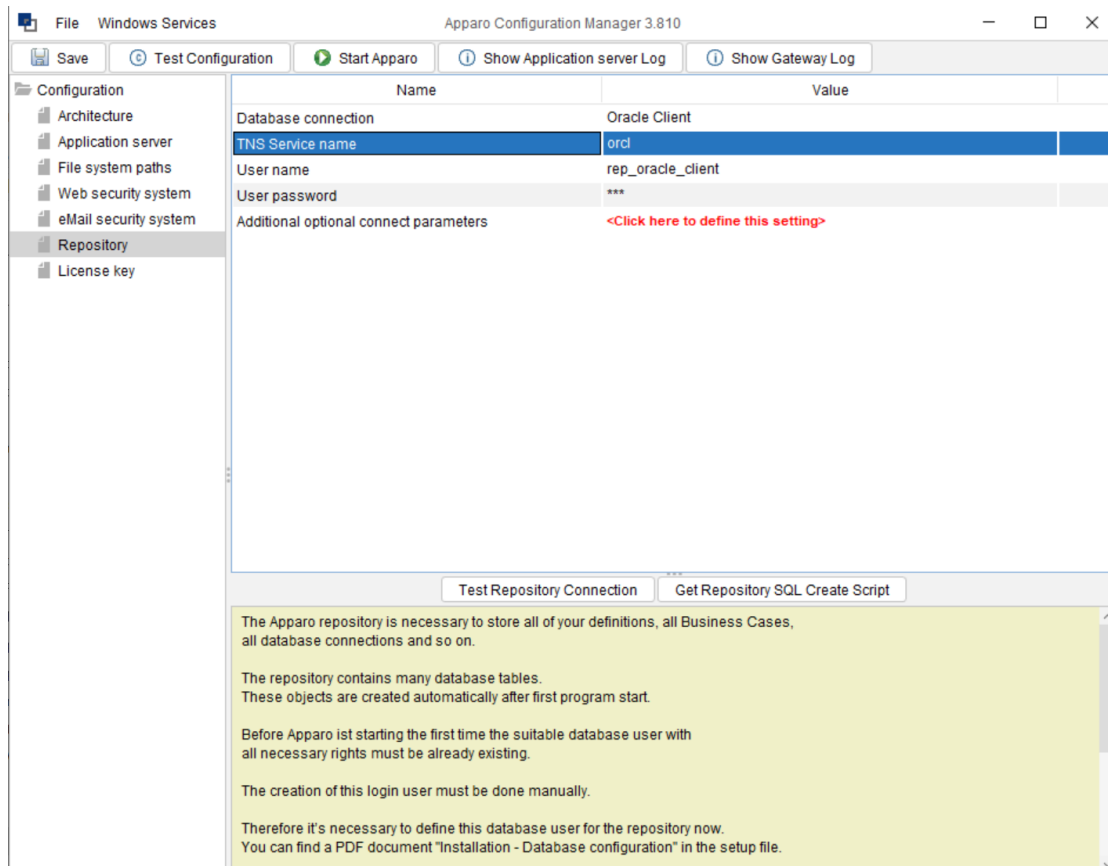
Apparo must be able to access the file tnsnames.ora. Therefore you must define the path in Configuration Manager.

[ORACLE_HOME]\network\admin



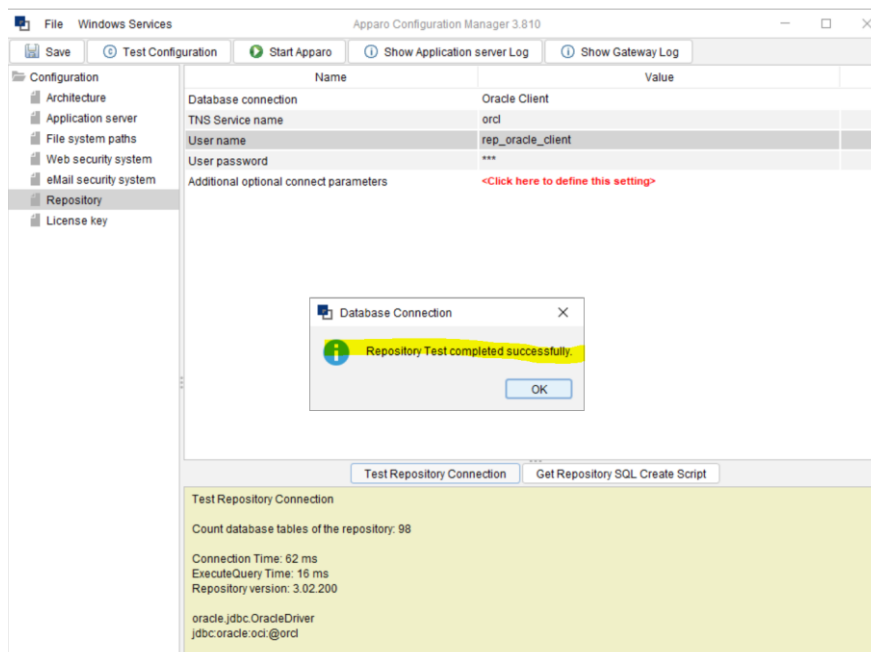
2.9 Testing Oracle connection to Apparo Repository

Select connection type **“Oracle Client”** and enter the connection data:



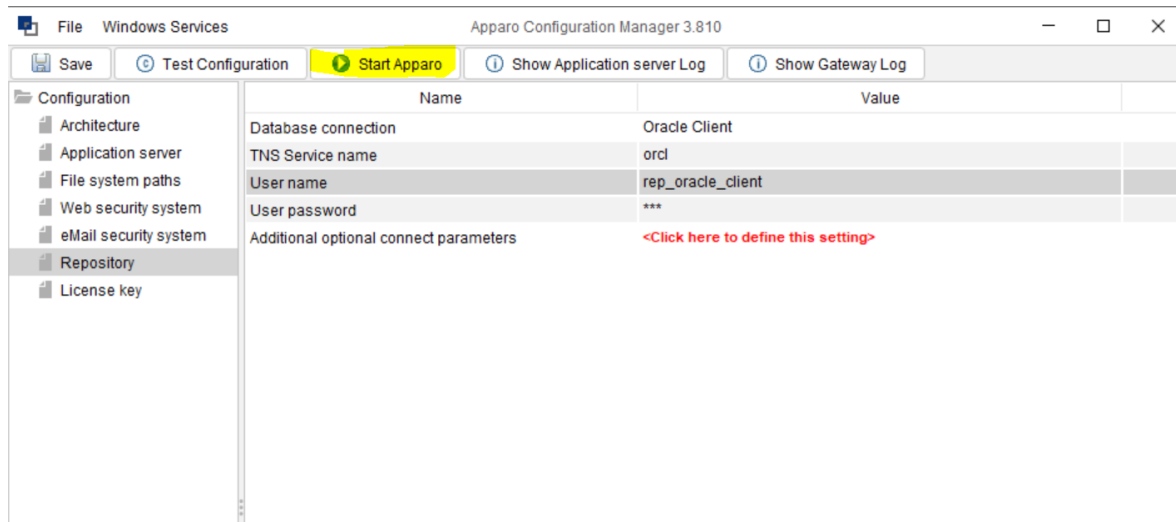
Press now the button **“Test Repository Connection”**

You should see this success message:

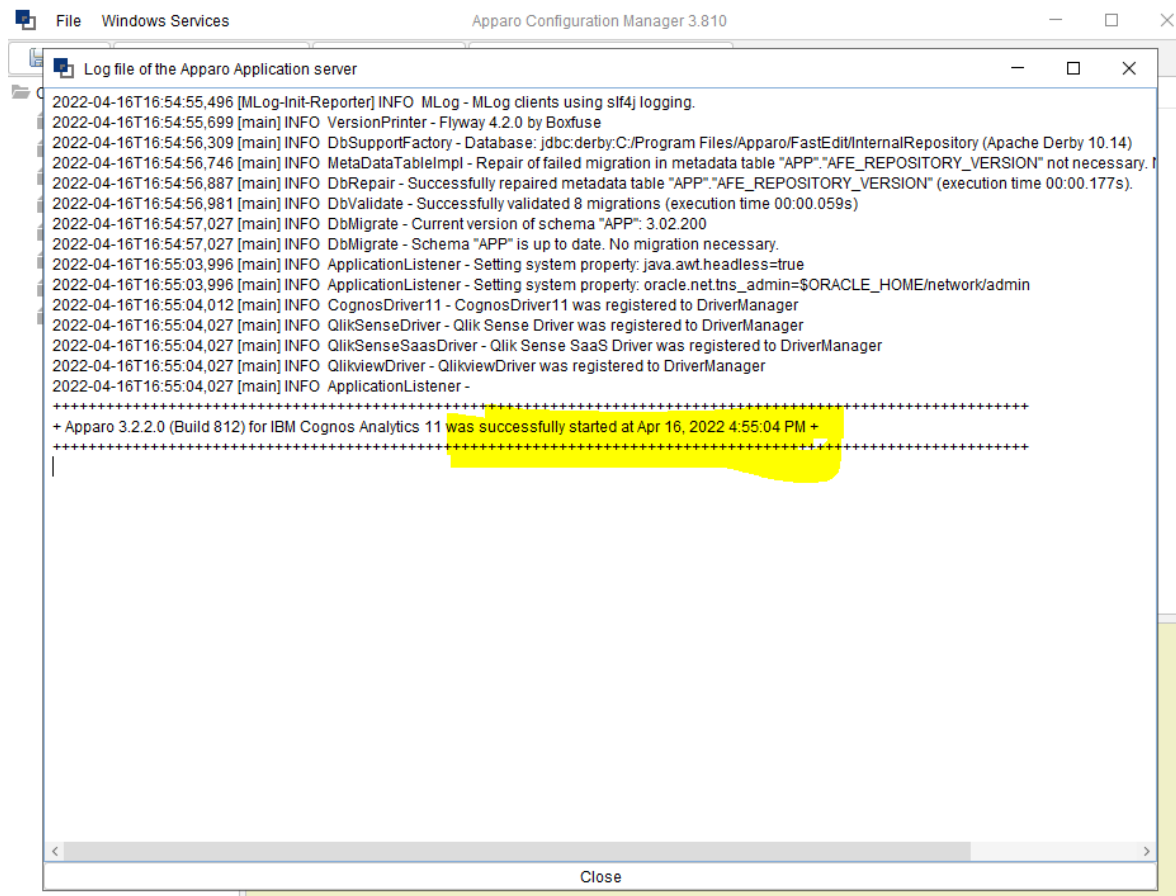


2.10 Start Apparo

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.

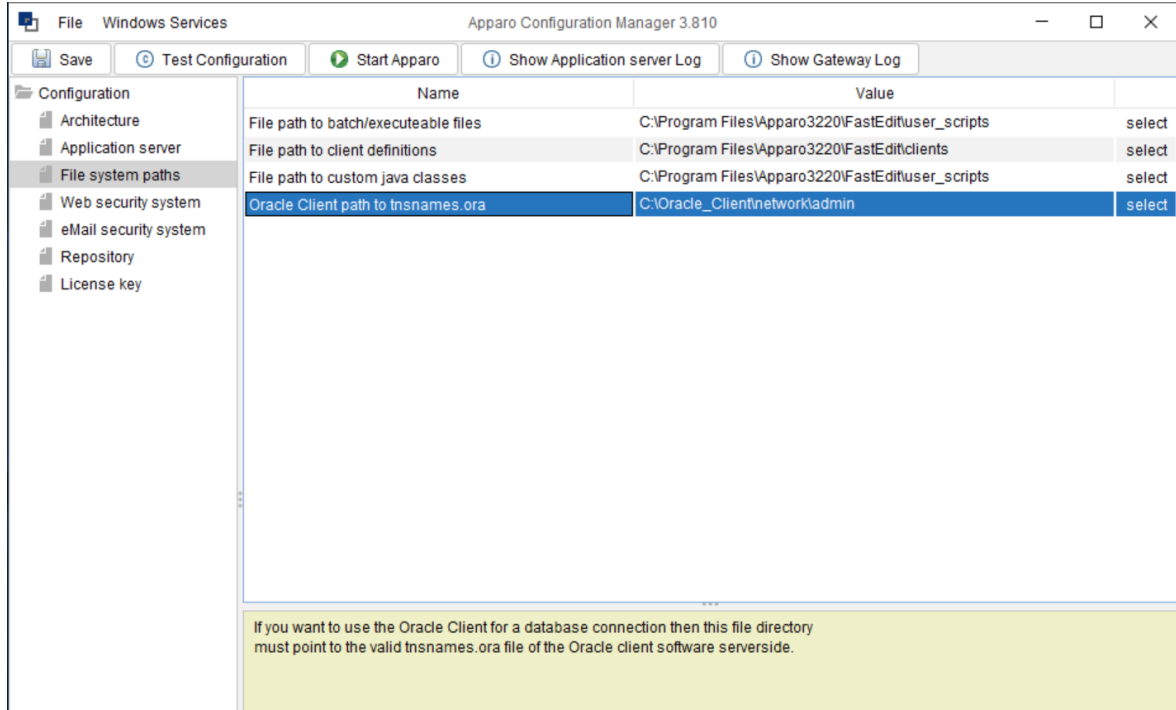
3.3 Stopping Apparo and closing Apparo Configuration Manager

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



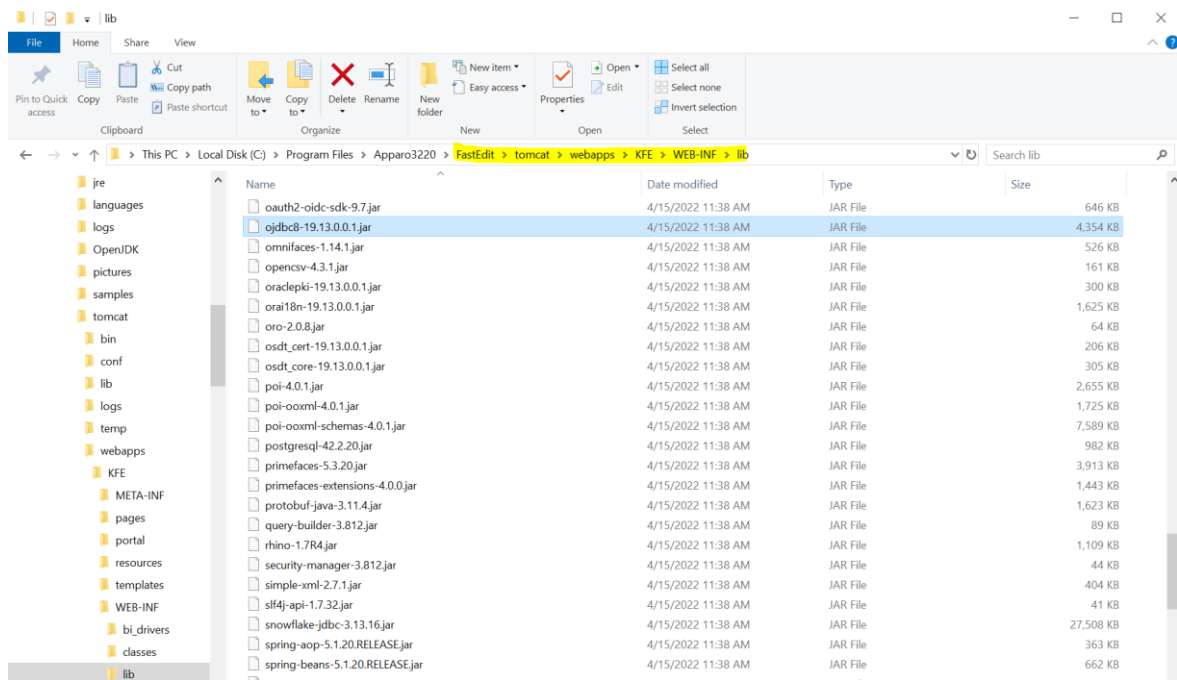
3.5 Deleting Oracle file from Apparo Application Server

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

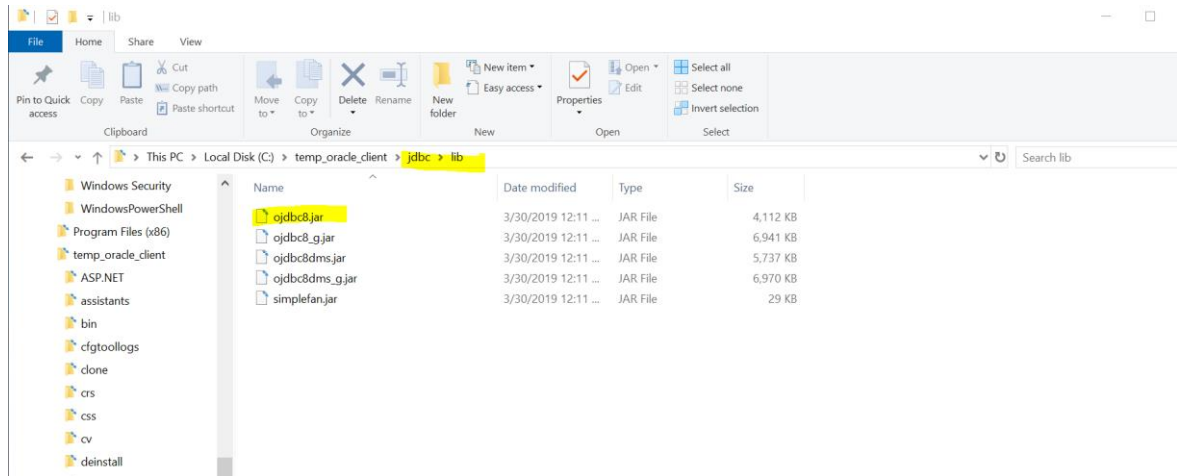
[APPARO_HOME]\FastEdit\tomcat\webapps\KFE\WEB-INF\lib



3.6 Copying Oracle file to Apparo Apparo Application Server

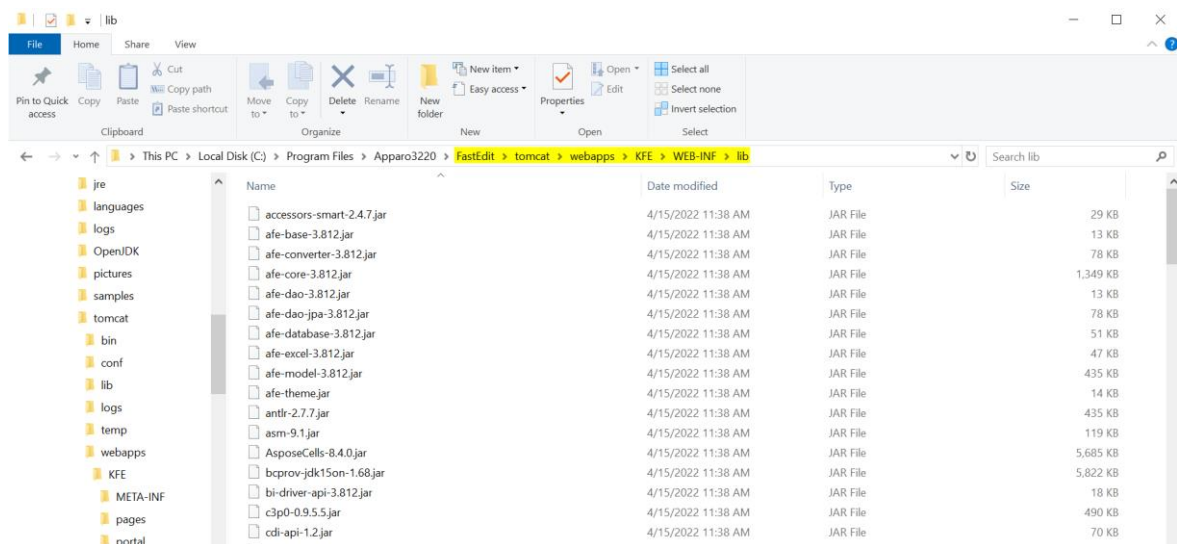
Copy the Oracle Client file ojdbc8.jar file from

[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”.