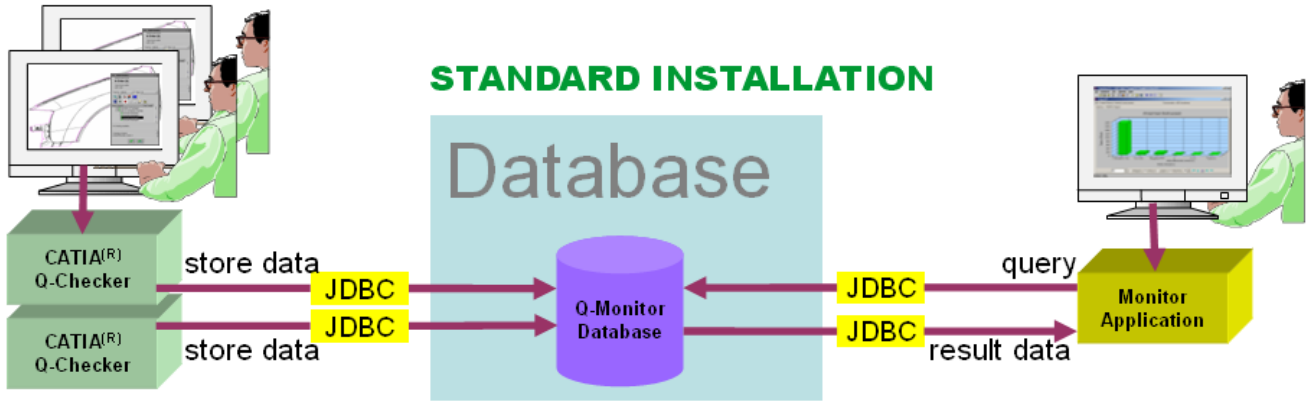
Installation of
Oracle Database 11g
and Q-Monitor 4.x.x

TRANSCAT
A Dassault Systemes Company

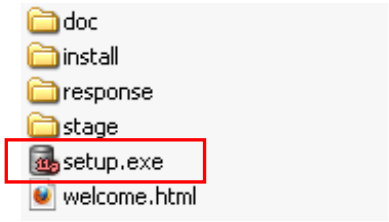
Installation of Oracle Database 11g and Q-Monitor

- **Installation tasks**
  - Install Oracle Database 11g on Windows
  - Install Q-Monitor 4.x.x and create the database tables
  - Test database connection and update database tables with Q-Monitor
  - Connect Q-Checker to the database



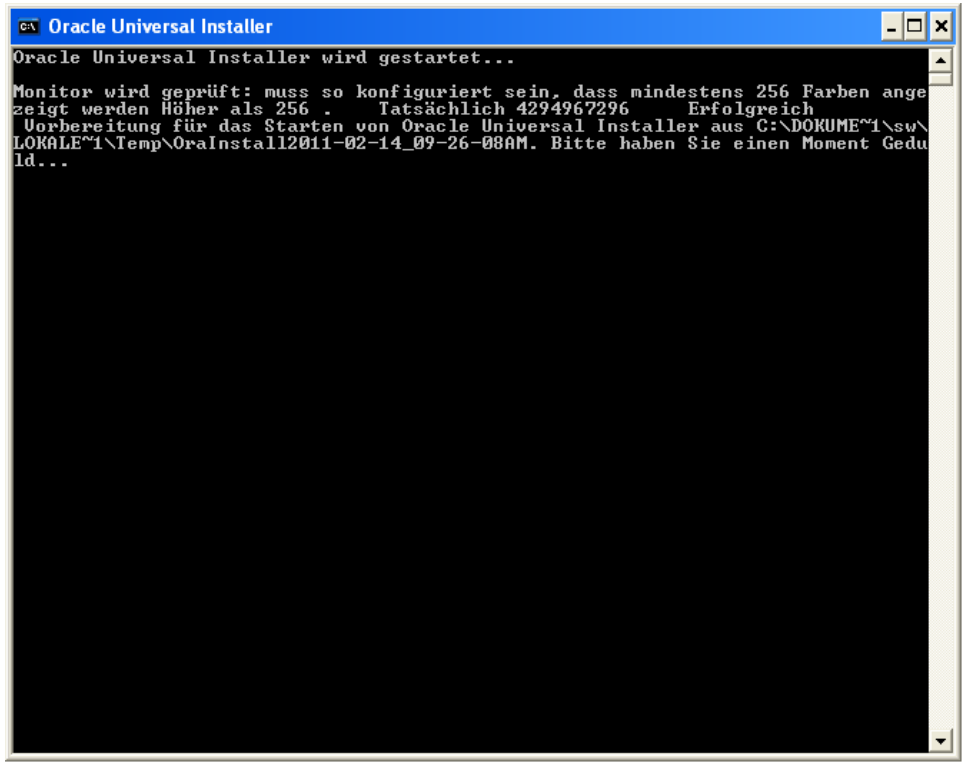
Installation of Oracle Database 11g

- Start the Oracle DB installation by executing the installation file *setup.exe* (Download on Oracle.com)



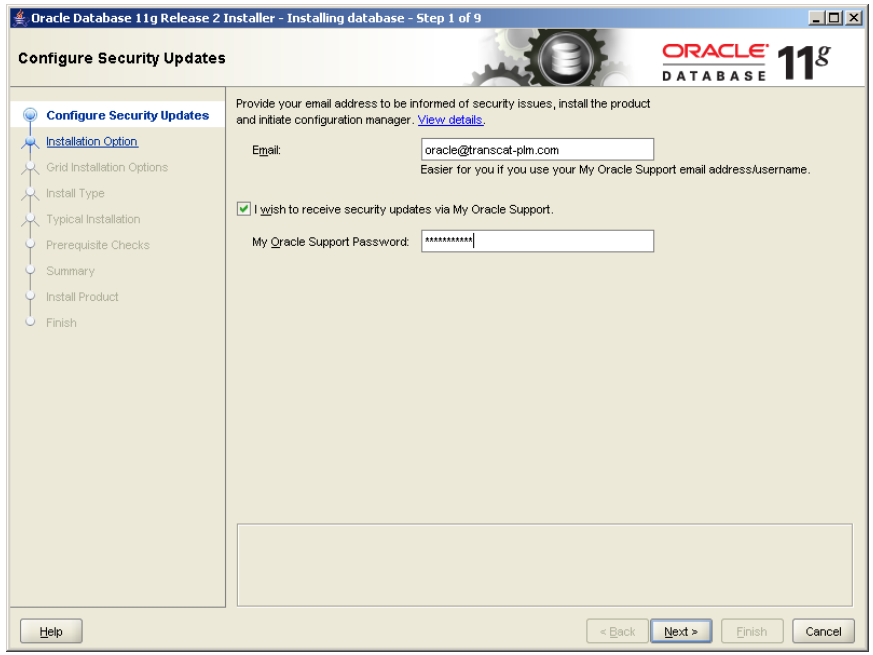
Installation of Oracle Database 11g

- Oracle Universal Installer is loading



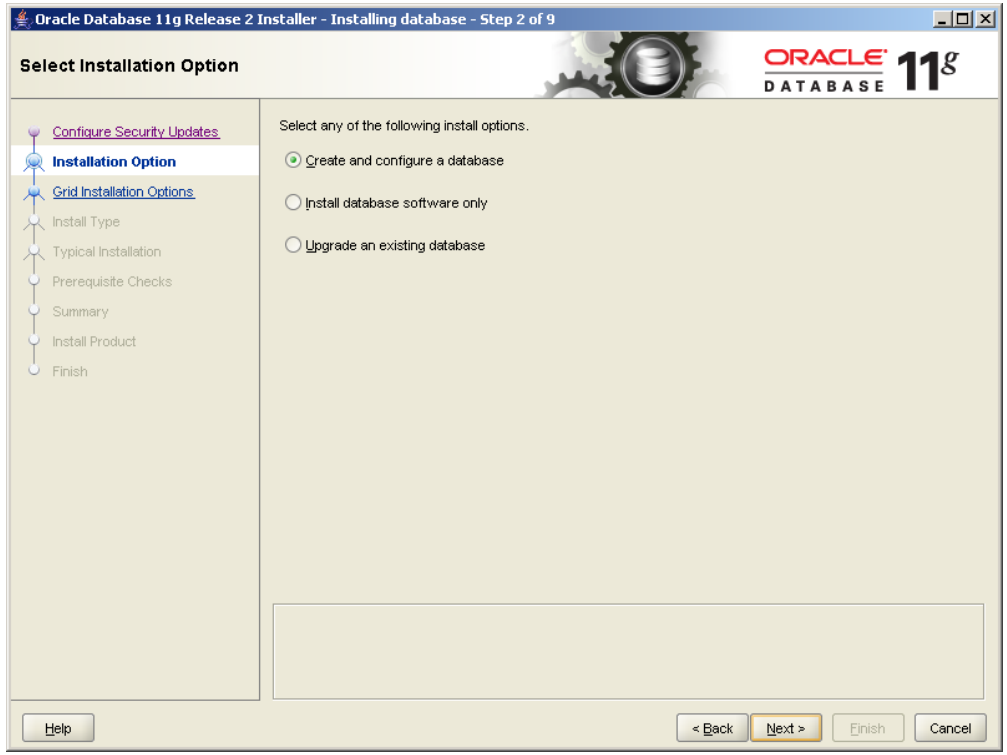
Installation of Oracle Database 11g

- If you want to get informed about security risks, type in your e-mail address
- If you want to get security updates over the „My Oracle Support“, mark the checkbox and type in your „My Oracle Support Password“
- Click Next



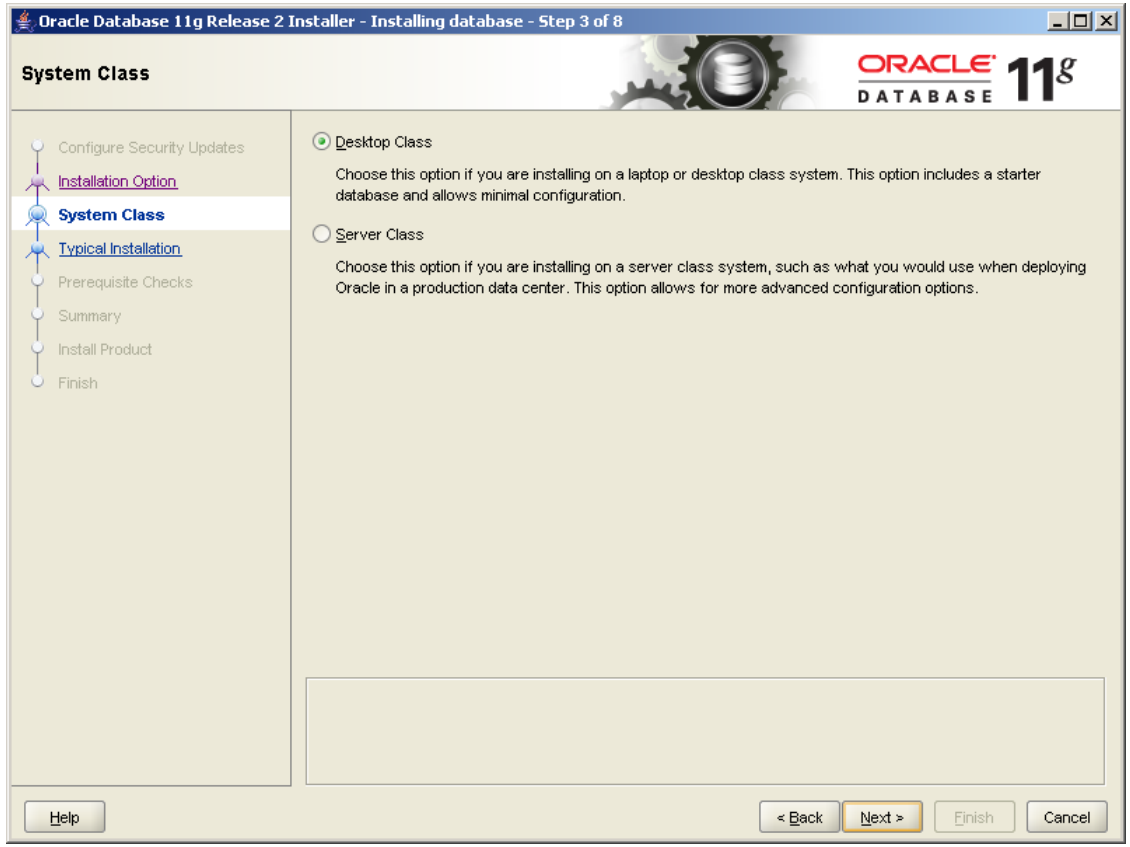
Installation of Oracle Database 11g

- Mark the checkbox „Create and configure a database“
- Click Next



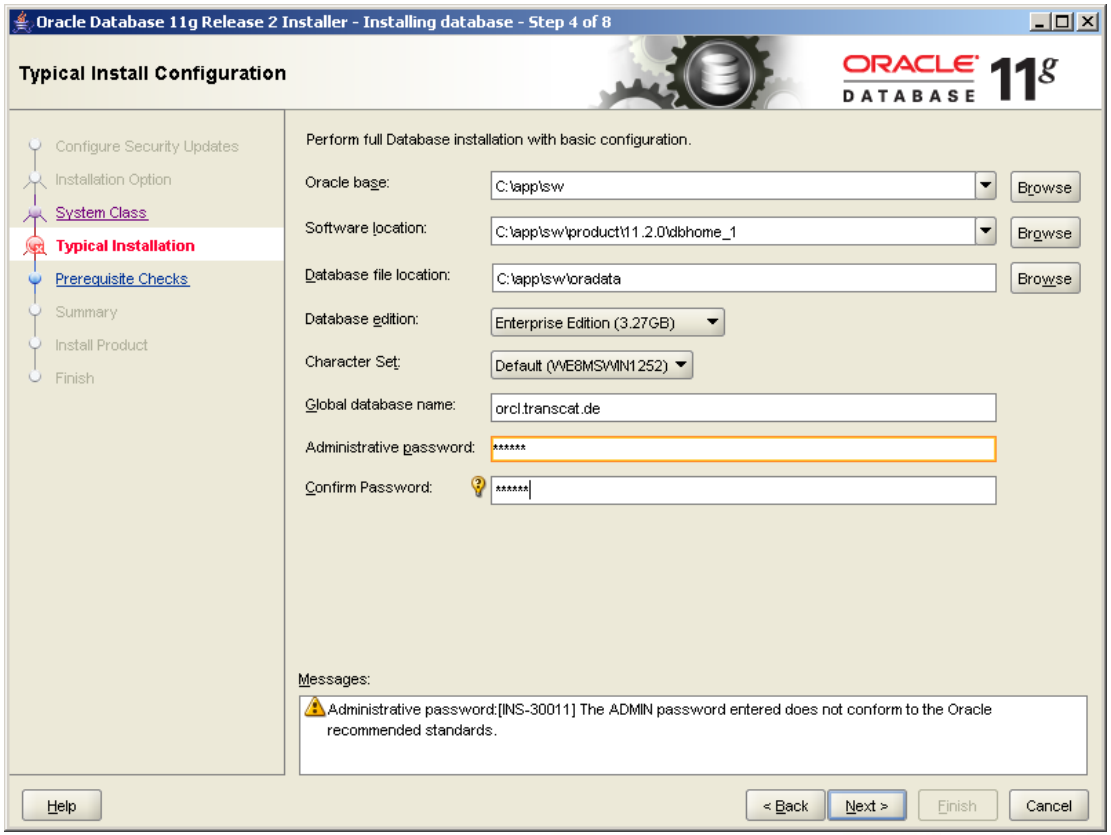
Installation of Oracle Database 11g

- Mark the checkbox „Desktop Class“
- Click Next



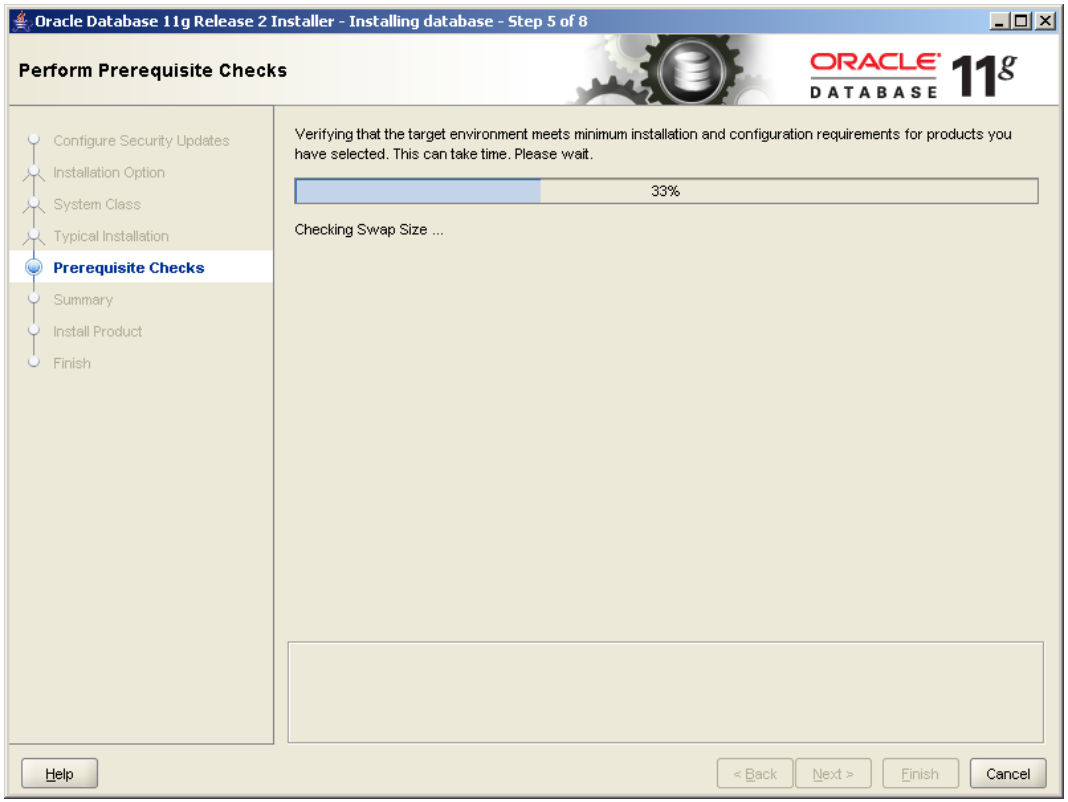
Installation of Oracle Database 11g

- Define the parameters and set the „Administrative password“ (e.g. *system*)
- Click Next



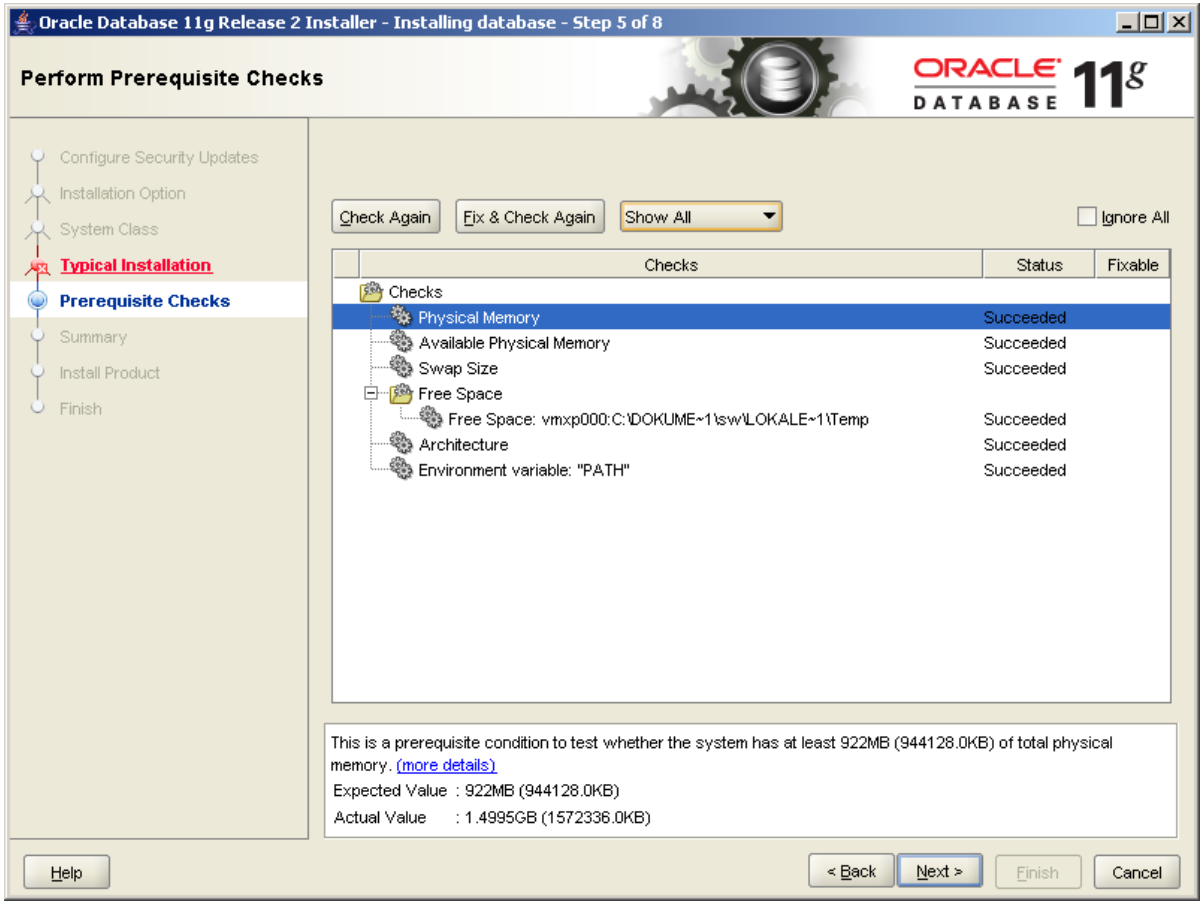
Installation of Oracle Database 11g

- Some checks are running



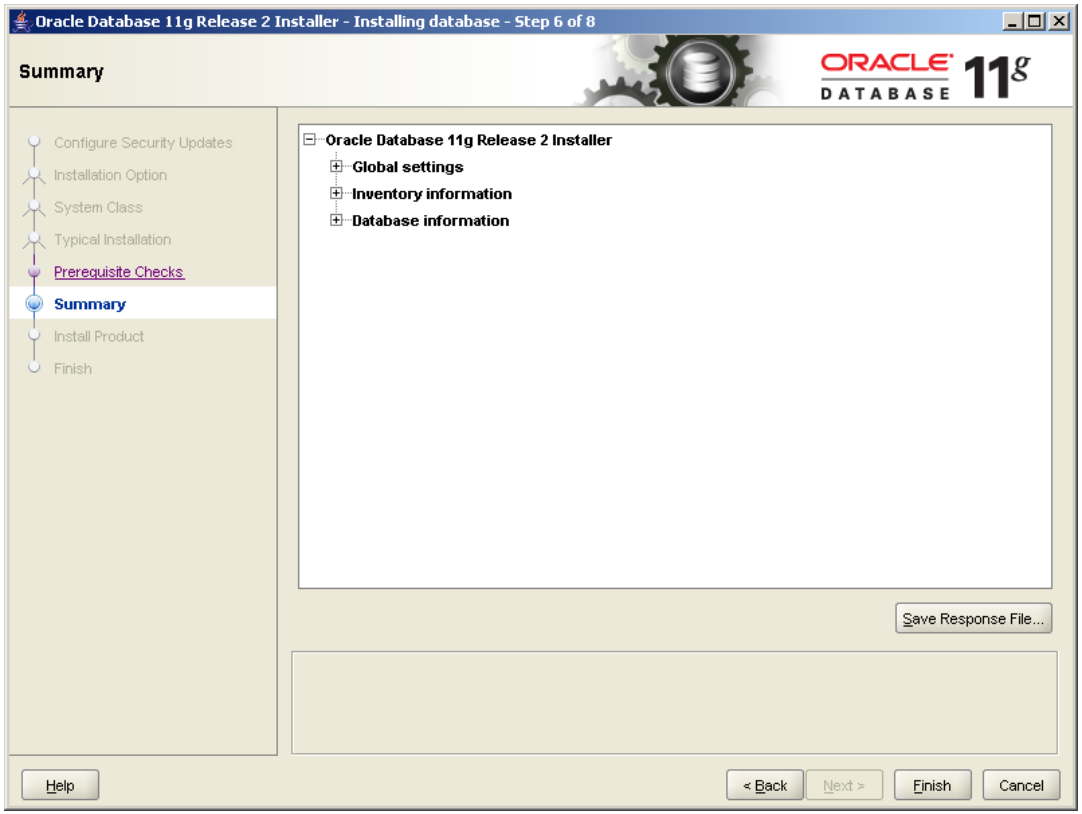
Installation of Oracle Database 11g

- Click Next



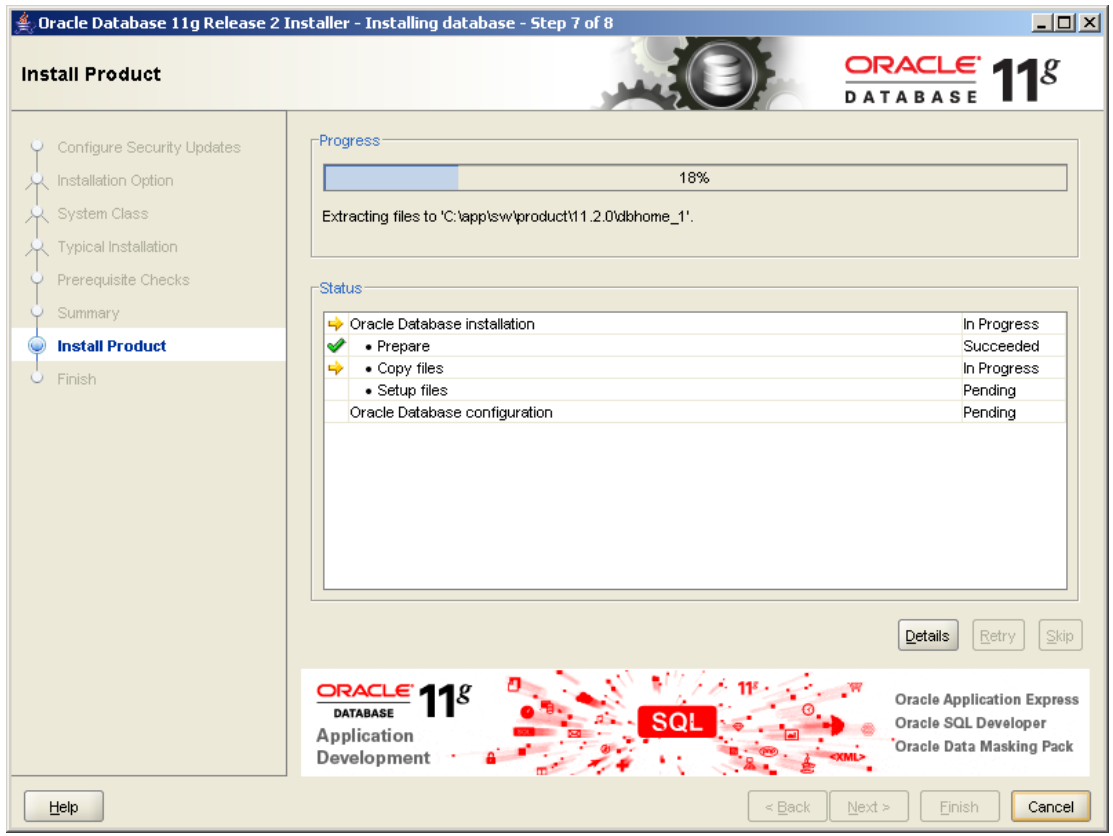
Installation of Oracle Database 11g

- Click Finish to start the Installation



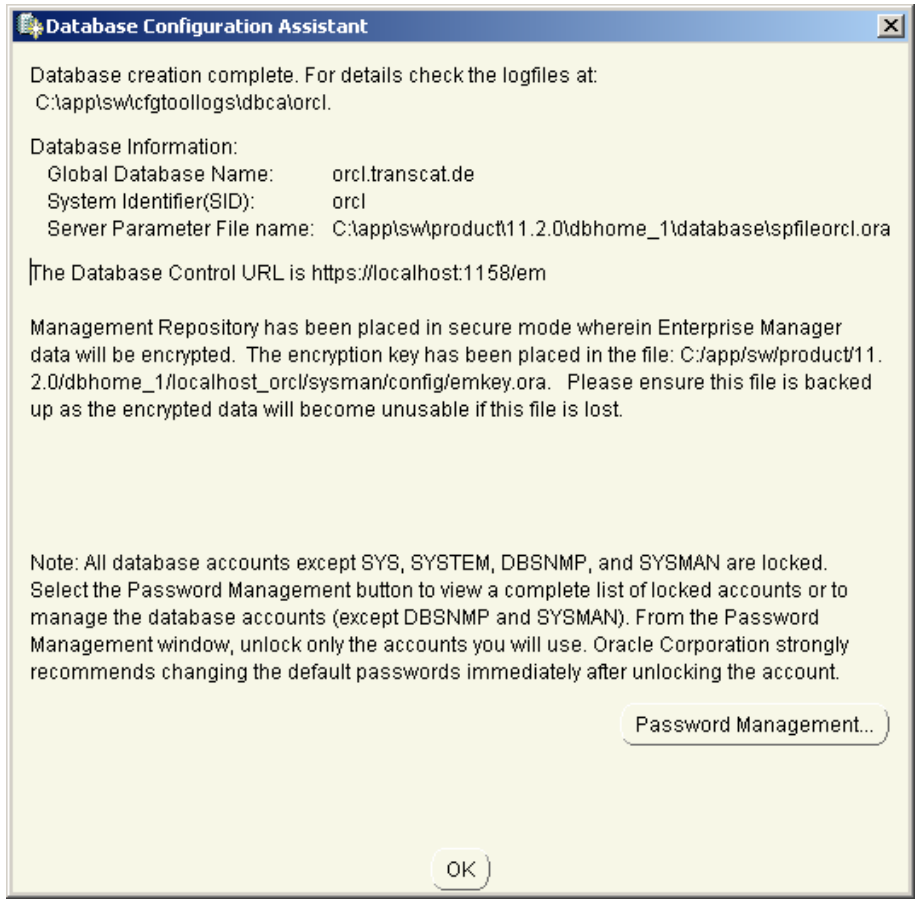
Installation of Oracle Database 11g

- Now the Installation is running



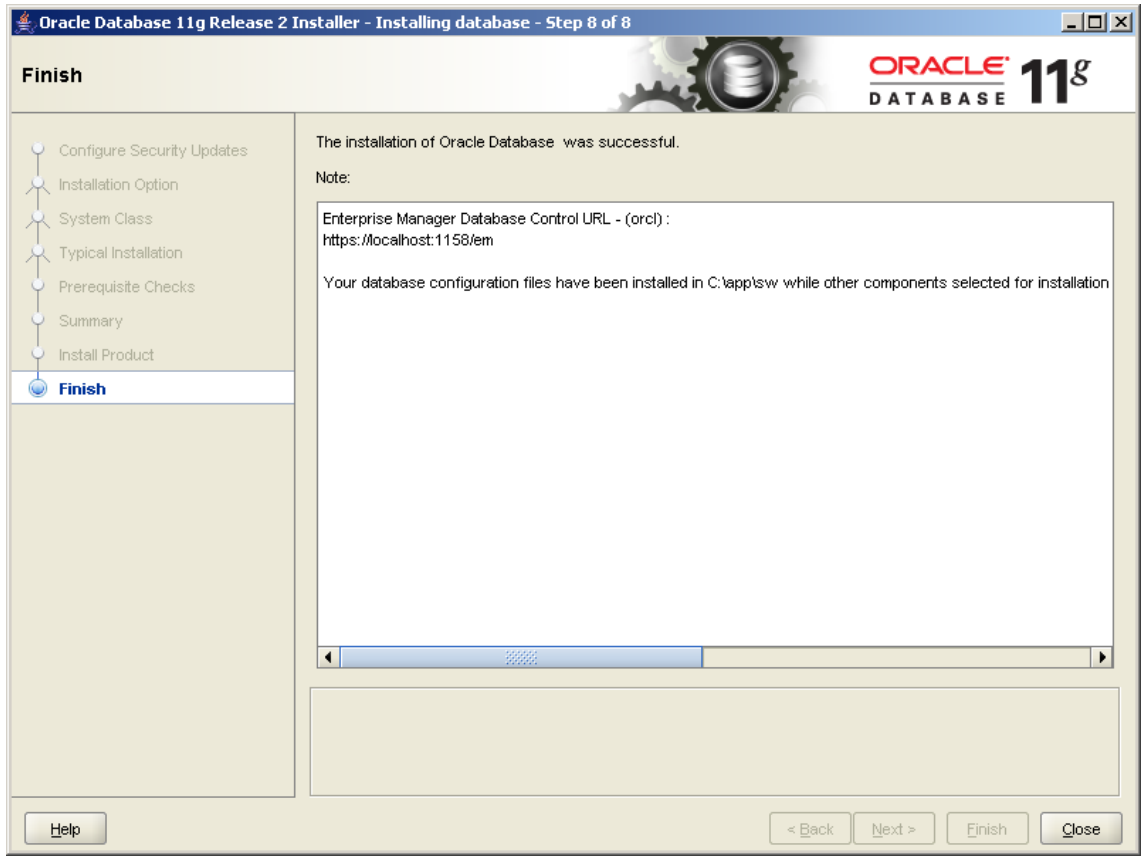
Installation of Oracle Database 11g

- Click OK



Installation of Oracle Database 11g

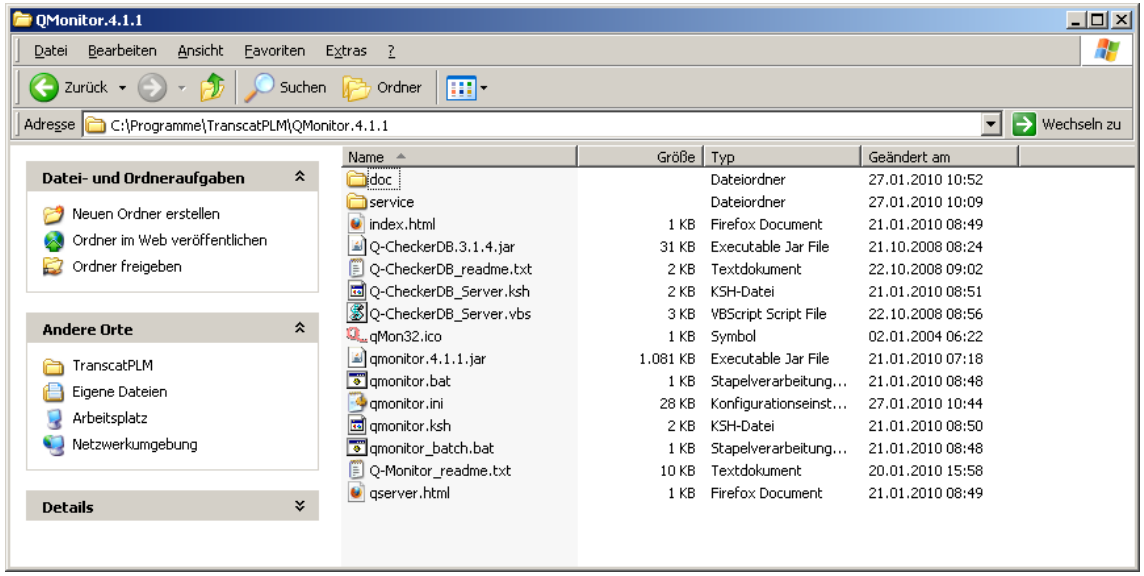
- Click Close to finish the Installation



Installation of Q-Monitor

- **Download the latest version of Q-Monitor**
- **Extract the zip archive qmonitor.4.x.x.zip into the directory**

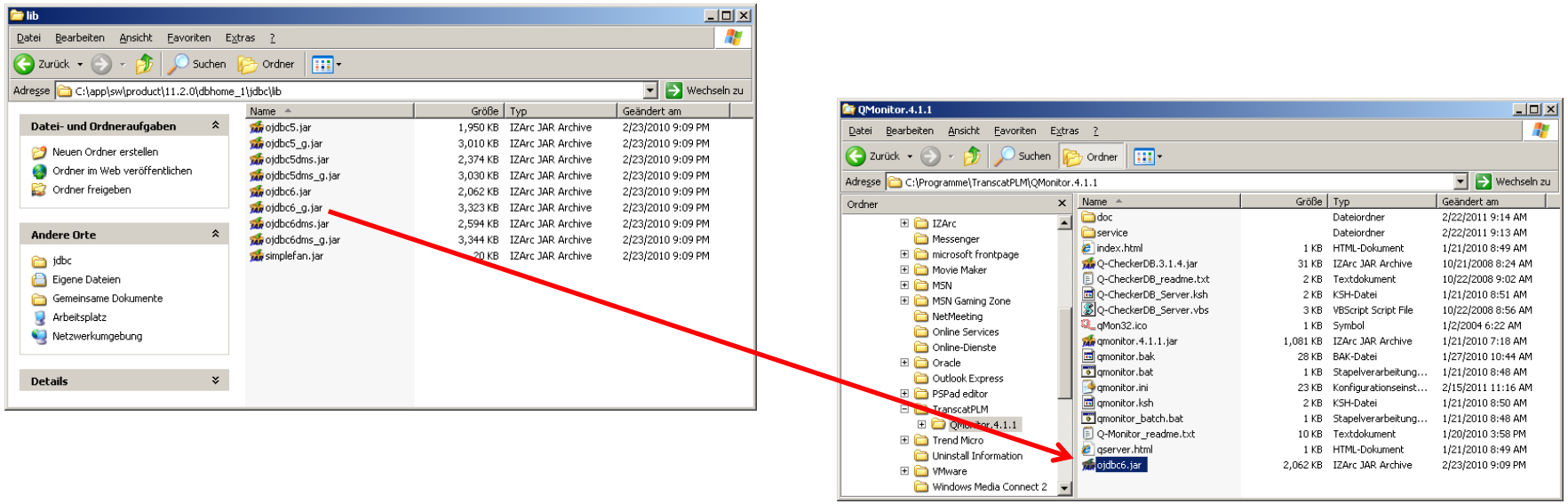
  C:\Programme\TranscatPLM\QMonitor.4.1.1



Installation of Q-Monitor

Copy the Oracle JDBC driver (*ojdbc6.jar*) from the Oracle installation directory (e.g. *C:\app\sw\product\11.2.0\dbhome_1\jdbc\lib*)

into the Q-Monitor installation directory (e.g. *C:\Programme\TranscatPLM\QMonitor.x.x.x*)



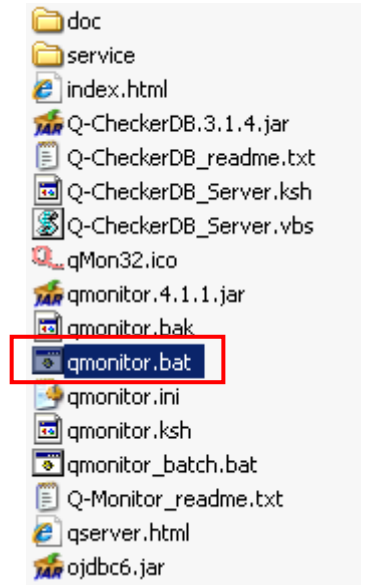
Installation of Q-Monitor

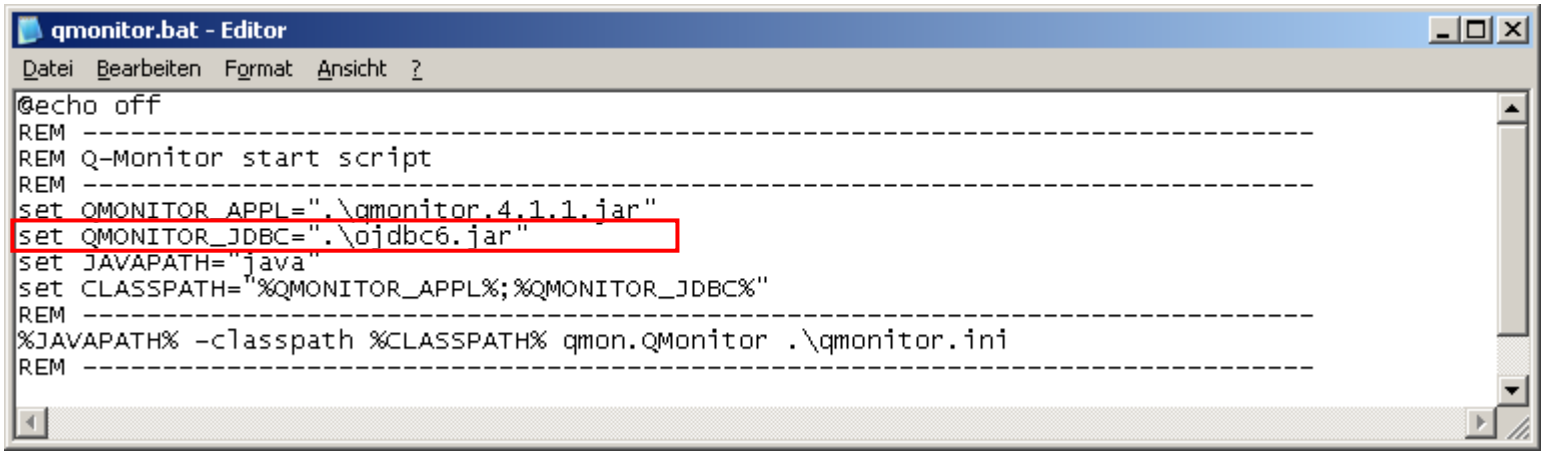
Open the qmonitor.bat file in the Q-Monitor installation directory with the Notepad to adapt the Java installation path to the local installation of Java.

Add the JDBC driver to the classpath (see screenshot)

Save the file and close Notepad

NOTE: Java runtime min. 1.4 is prerequisite for Q-Monitor and must be installed on the machine!

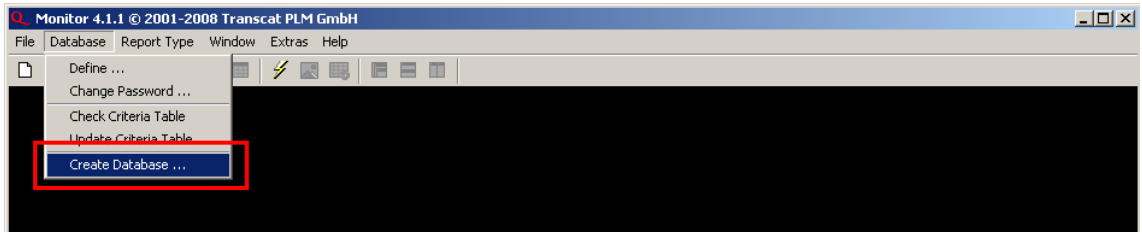




Installation of Q-Monitor

- Start Q-Monitor
  by double click on
  qmonitor.bat

- Click on
  Create Database



Installation of Q-Monitor

❶ **Fill out the database information**

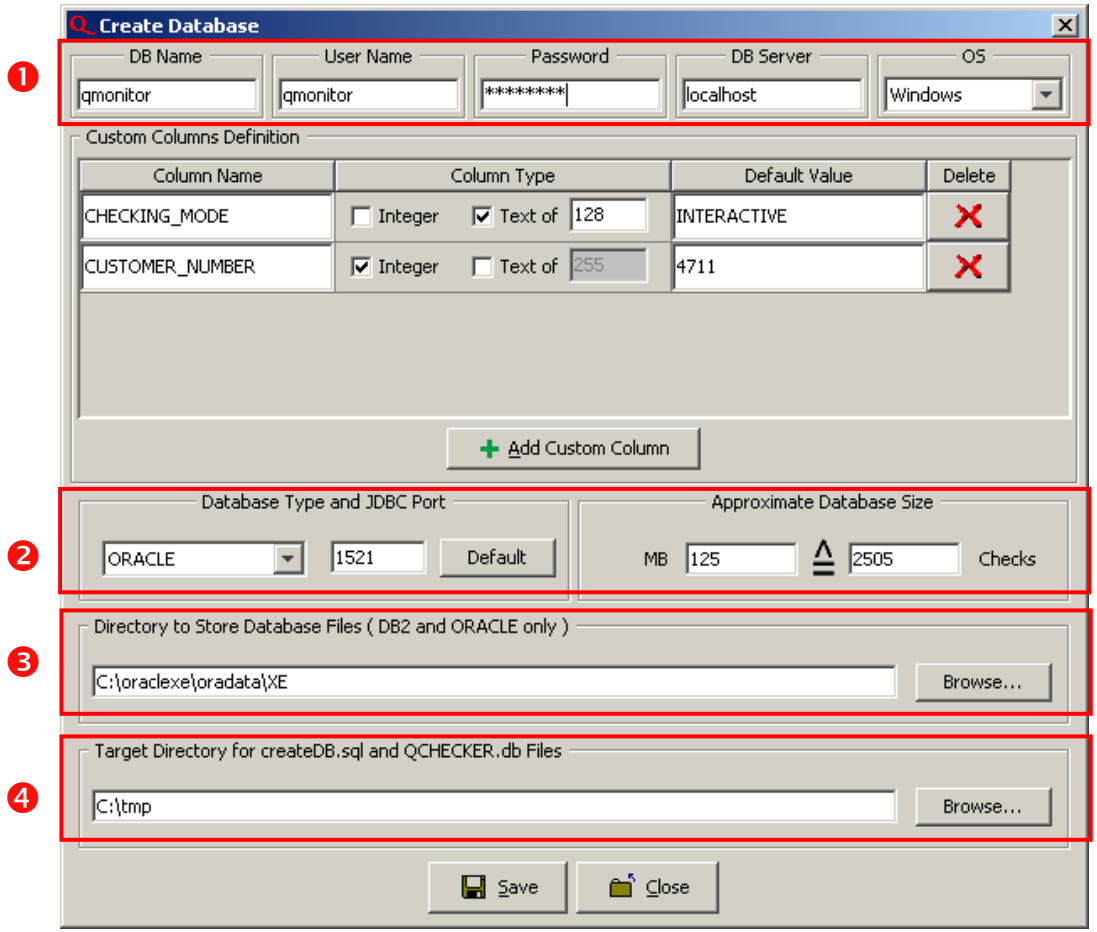
DB Name: *qmonitor*
User Name: *qmonitor*
Password: *qmonitor*
DB Server: *(e.g. localhost)*
OS: *Windows*

❷ **Enter Database Type/Port number and table size**

❸ **Choose a directory to store the database files (e.g. *C:\oracleexe\oradata\XE*)**

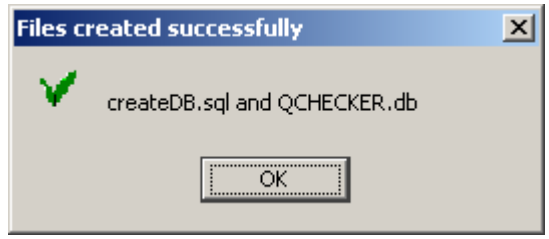
❹ **Choose any temporary directory where the SQL script createDB.sql and Q-Checker Database file QCHECKER.db should be created (e.g. *c:\tmp*)**

Press Save

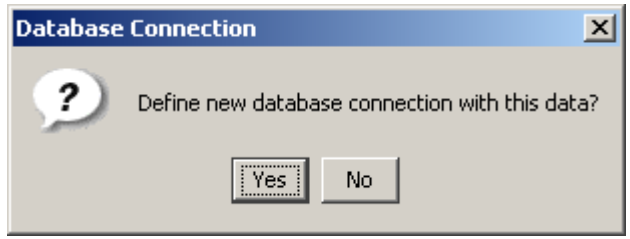


Installation of Q-Monitor

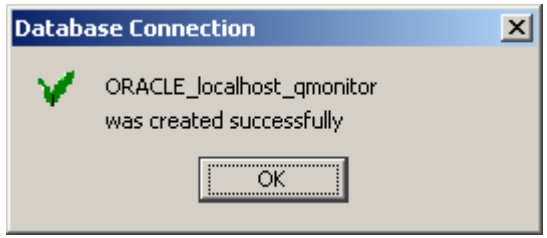
- The following panel appears
- Click OK



- The following panel appears
- Click Yes



- The Database connection is created and set to default in Q-Monitor
- Click OK

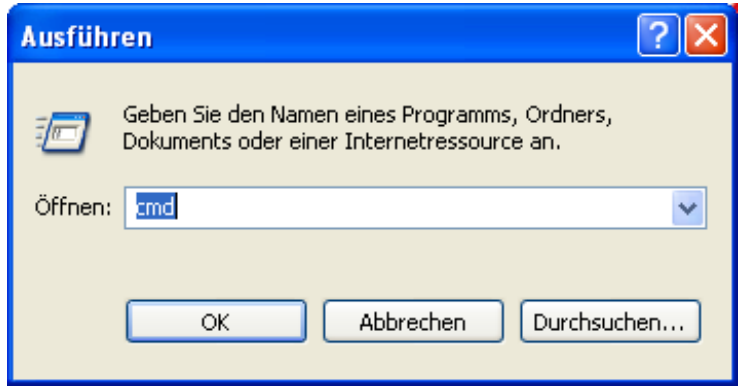


- Close Q-Monitor

Installation of Q-Monitor

Open the Windows console:

→ ***Windows Start / Run***



Write:

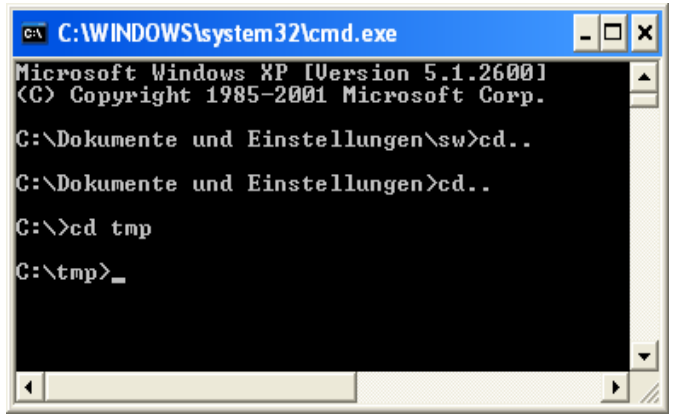
cmd

into the text box

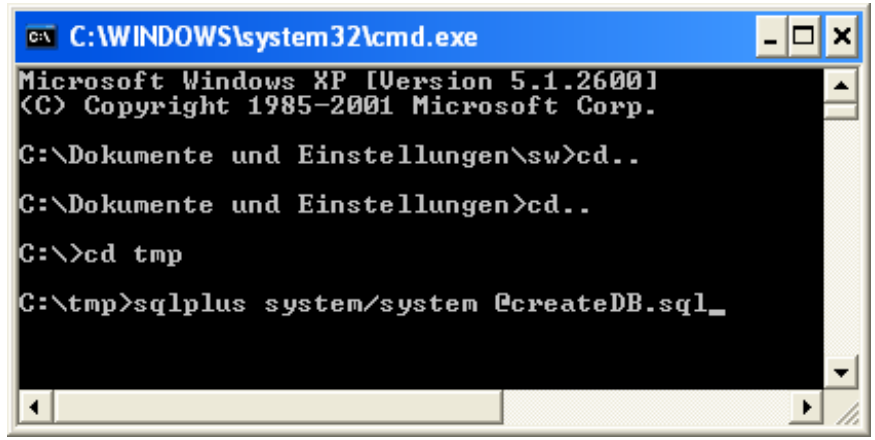
and press OK

Installation of Q-Monitor

Change directory to *C:\tmp*
(the directory must contain the *createDB.sql* file)



Type:
sqlplus system/system @createDB.sql
into the console.



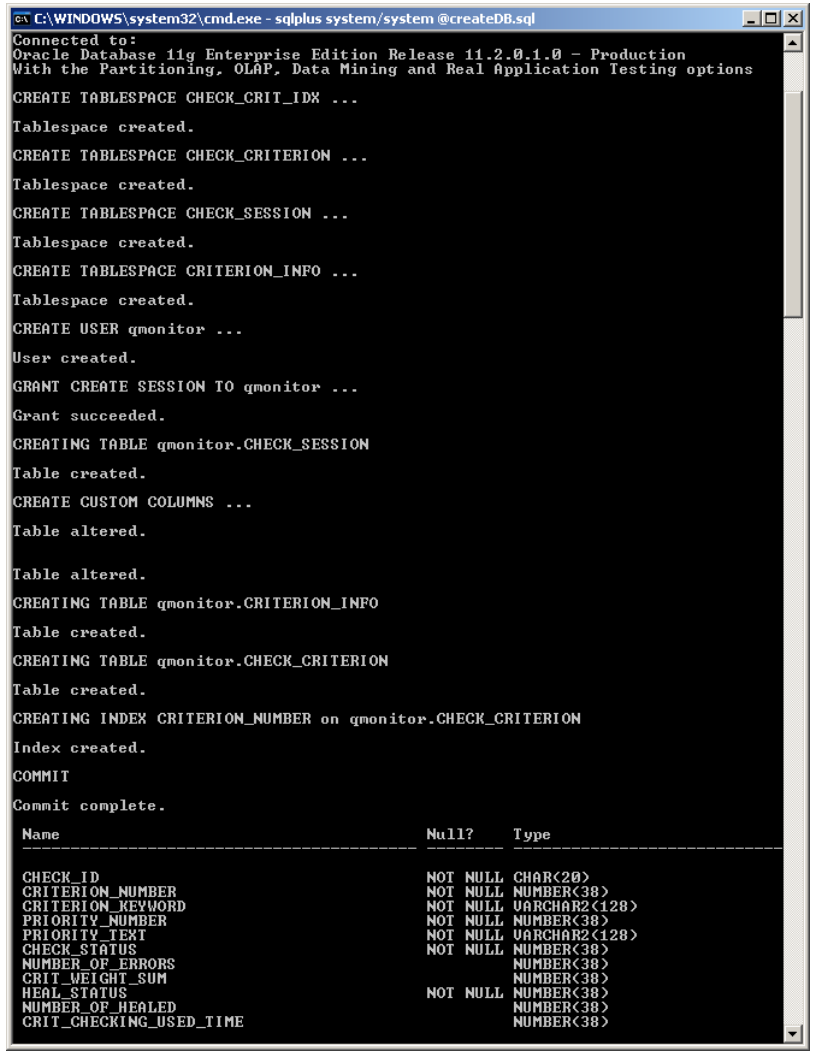
Press Enter

Note:
In our example, we use the user:
system* with password: *system

Installation of Q-Monitor

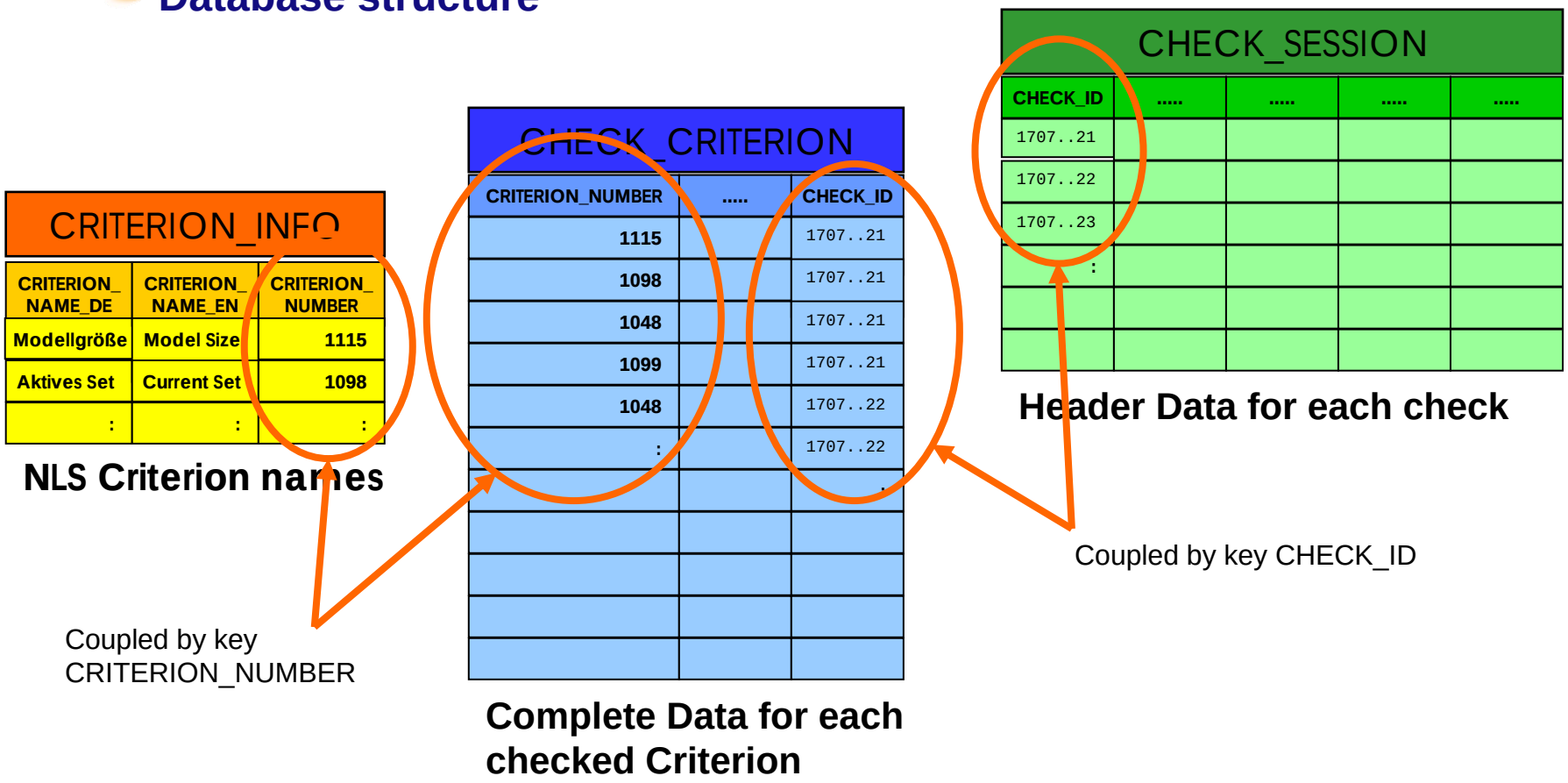
Make sure that all task are finished properly like the screenshot on the right side.

Close the console



Installation of Q-Monitor

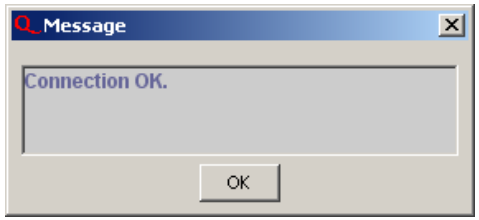
- Database structure



Installation of Q-Monitor

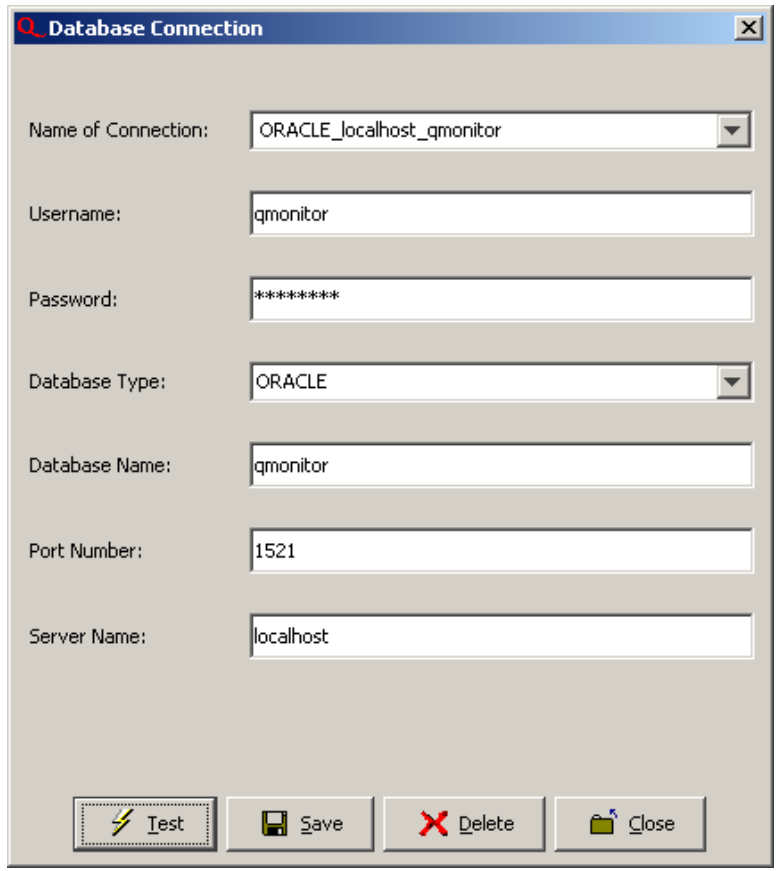
- Start Q-Monitor
- Click on: *Database – Define*
- Verify the Database

  Connection information
- Set the Database name to qmonitor
- Click on Test
  The following message should appear.



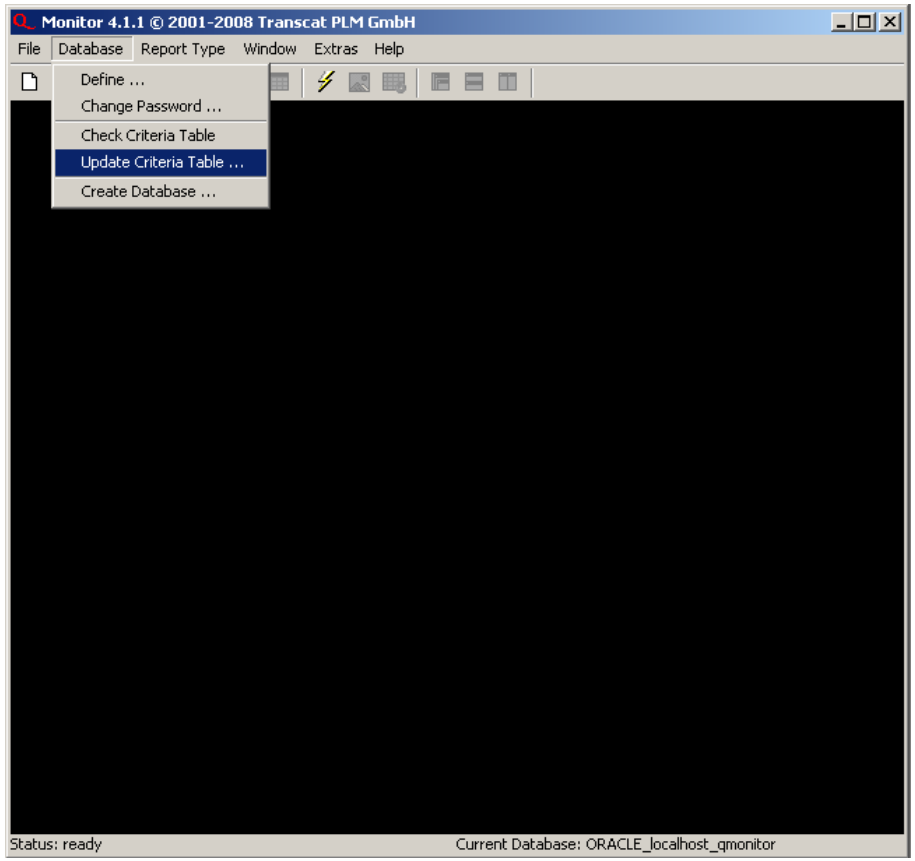
- Exit the panel with

  Save and close



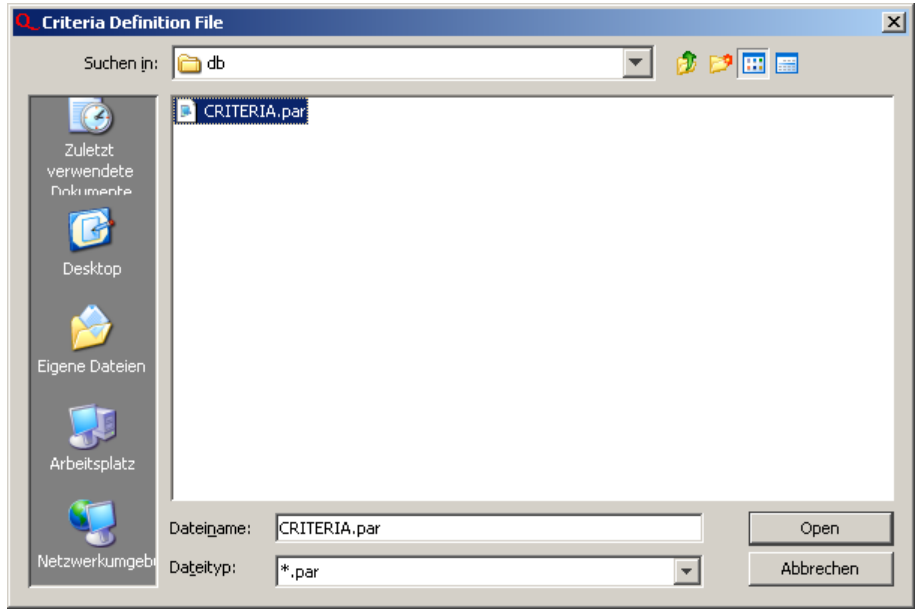
Installation of Q-Monitor

- **Click on**
  - *Update Criteria Table*



Installation of Q-Monitor

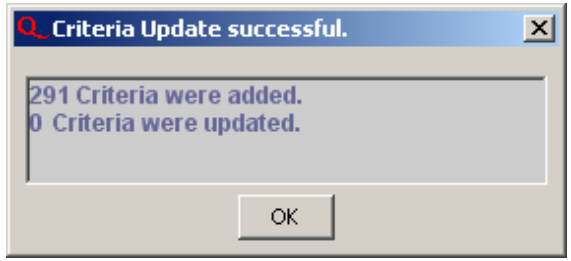
- Select from the Q-Checker installation directory *.../adminV5/DEFAULT/db*
- the file *CRITERIA.par*



Installation of Q-Monitor

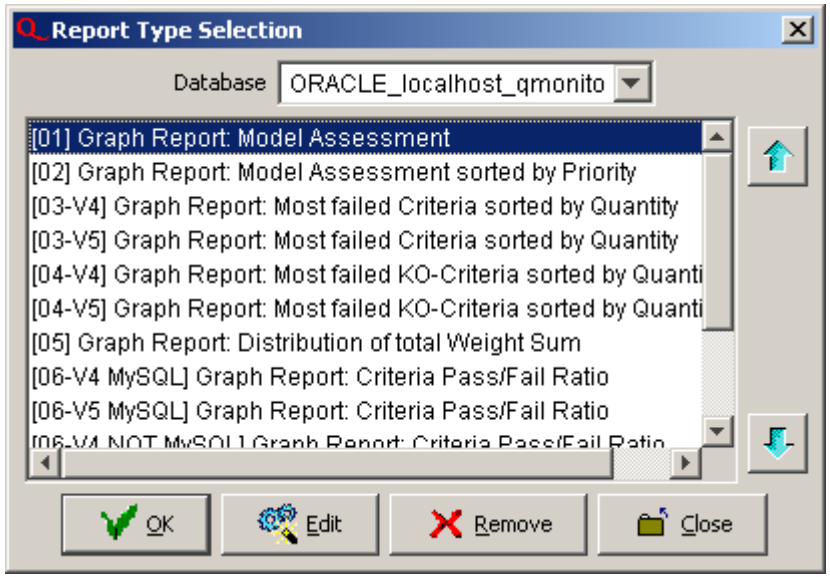
- **The Criteria Table**

  is updated sucessfully.



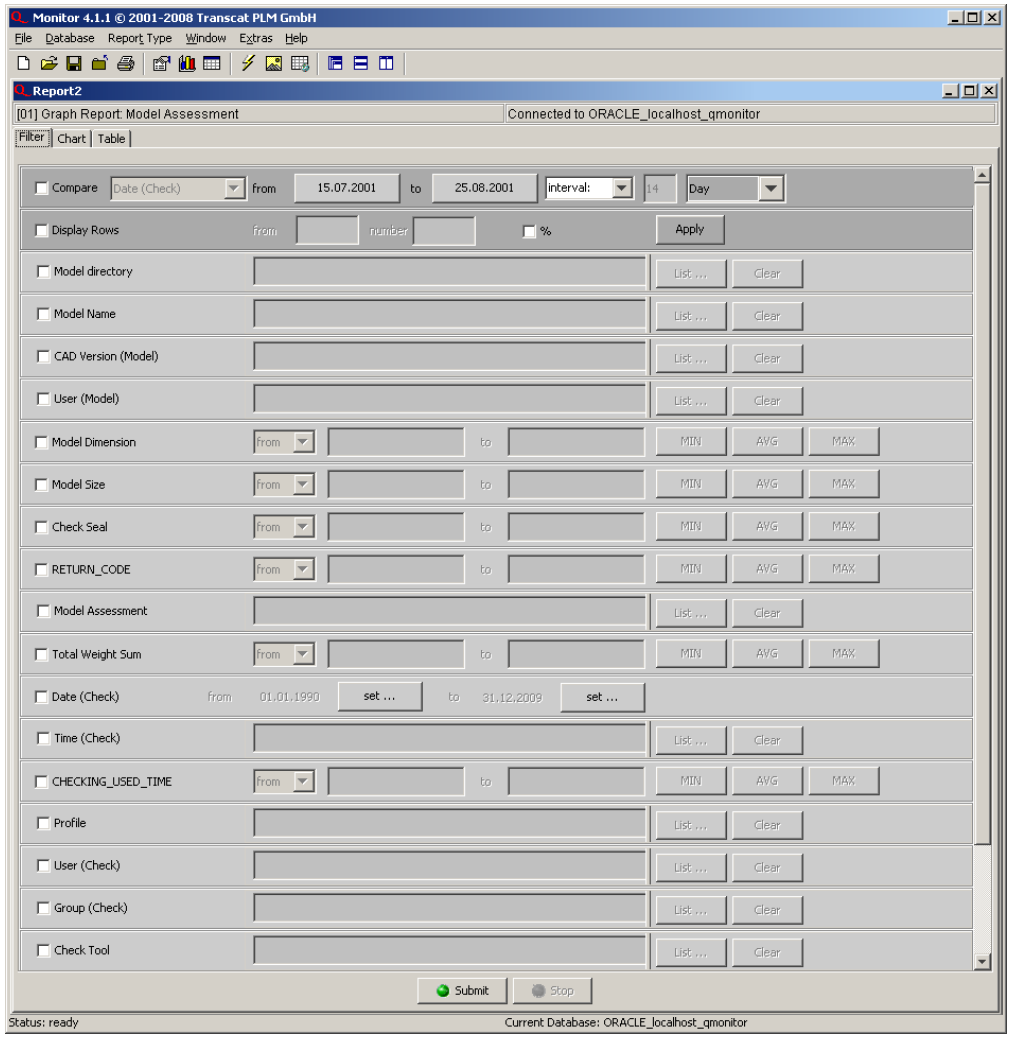
Installation of Q-Monitor

- Make a new query (File – New)
- Choose first query
- Click OK



Installation of Q-Monitor

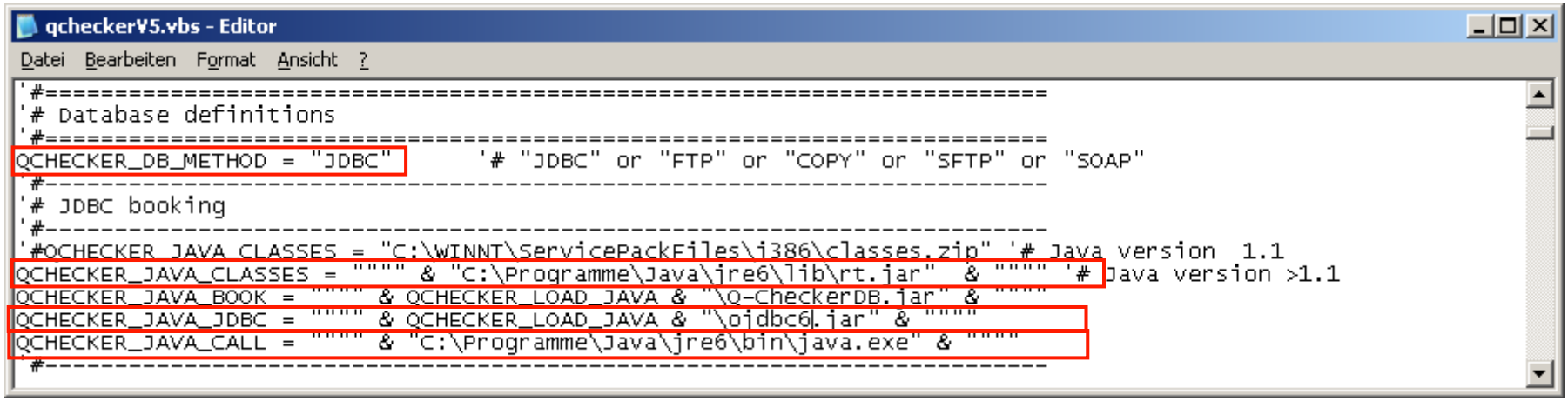
- Start the query by clicking on „Query“
- Q-Monitor will show an empty graph as long as no Q-Checker reports are checked in.



Adapting Q-Checker to the database

Copy the JDBC driver
(e.g. *C:\app\sw\product\11.2.0\dbhome_1\jdbc\lib\ojdbc6.jar*)
from the Oracle installation directory into the Q-Checker installation directory
(e.g. *D:\Programme\Transcat PLM\Q-Checker\load*)

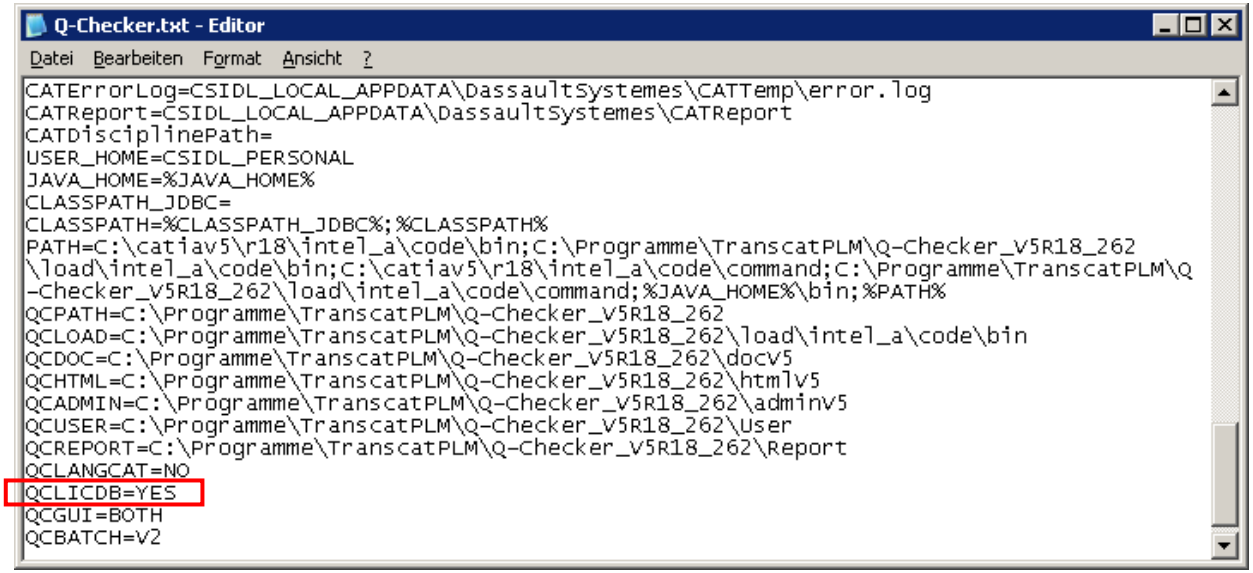
Adapt the following lines in the file:
<Q-CheckerInstallationDir>\qcheckerV5.vbs
to your local installation of Java and to the Oracle JDBC driver



Adapting Q-Checker to the database

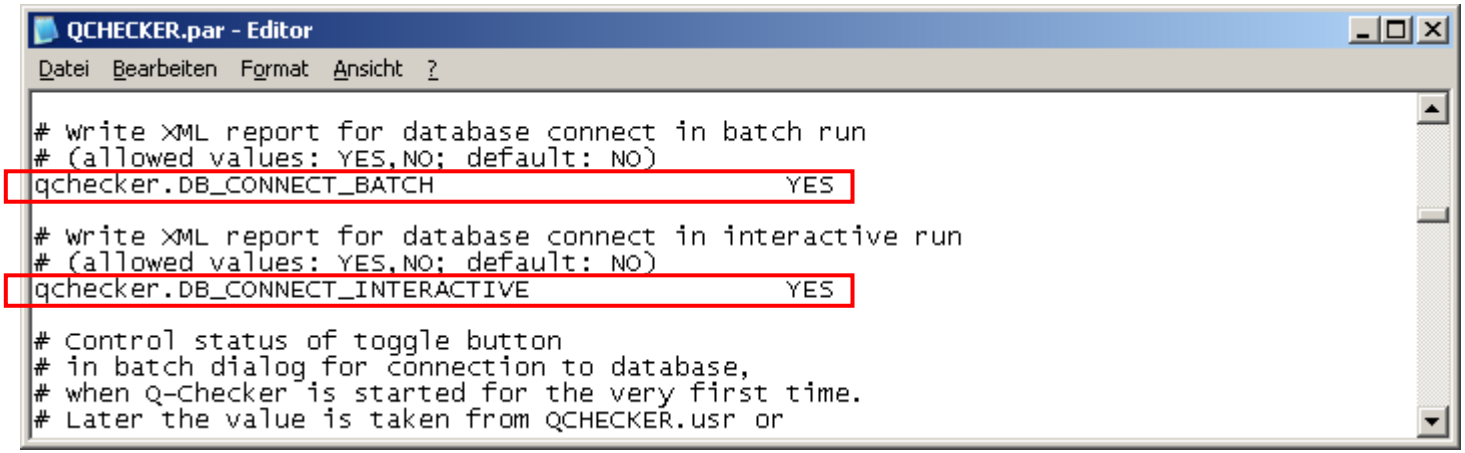
- Adapt the CATIA environment text file (by default it is located in *C:\Documents and Settings\All Users\Application Data\DassaultSystemes\CATEnv*) and enable the Q-Checker Database License (*QCLICDB=YES*)

  NOTE: The license TC-qcheckerV5-DB must be available!



Adapting Q-Checker to the database

- Adapt the file <Q-CheckerInstallationDir>\adminV5\<Environment>\QCHECKER.par and enable the Database Connection for batch and interactive mode.



Adapting Q-Checker to the database

- Copy the file QCHECKER.db which was created during the setup of the database by Q-Monitor from c:\tmp into the directory *<Q-CheckerInstallationDir>\adminV5\<Environment>\db*
- Set the value for qchecker.DB_NAME to qmonitor
- Verify that the values match with the connection parameters used in Q-Monitor.

```
# ------------------------------------------------------------------------------
# Q-Checker configuration file for database connect.
# ------------------------------------------------------------------------------

# Define database type
# ( allowed values: DB2, ORACLE, MSSQL, MSSQL2005, POSTGRESQL, MYSQL, DB2V9 )
qchecker.DB_TYPE          ORACLE

# Define user with write access to database
qchecker.DB_USER          qmonitor

# Define password of user with write access to database
qchecker.DB_PASSWORD      qmonitor

# Define address of database server
qchecker.DB_SERVER        localhost

# Define database name
qchecker.DB_NAME          qmonitor

# Define port for remote database access. Default values:
# ( default for DB2: 8888, default for ORACLE: 1521, default for MSSQL: 1433 )
# ( default for POSTGRESQL: 5432, MYSQL: 3306 )
qchecker.DB_PORT          1521
```

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The End

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