✕   Lessons

These instructions apply to learners who have installed an Oracle database server and Oracle client such as the Oracle SQL Developer rather than the Oracle Database Appliance. The database appliance includes an Oracle 12c server, preconfigured database with accounts, and Oracle SQL Developer client with connections so you do not need to bother with these instructions.

Connecting to a local Oracle database using the SQL Developer or another client is confusing to many learners. It is simple after it is setup, but can be confusing to setup.

Before making a connection, you need to install the Oracle server and client. I assume that you have installed Oracle 12c standard edition and the Oracle SQL Developer. I think these notes apply to other Oracle server editions, but I have not tried them with other server editions. You must know the name (SID and Global Database Identifier) of the default database. This name should be ORCL unless you have changed it during the installation process. You must also know the administrative password for the default database. You specified this password during the installation process. If you do not know the password, you will not be able to connect to your default database.

Here is a quick way to make a connection. For screen snapshots and details about creating a new user name, you should read the document about making connections to a local Oracle database.

You need to create a connection in the SQL Developer before you can execute SQL statements. After opening the SQL Developer, you should see the Connections pane. If you have made previous connections, you will see them in the Connections pane. You can click on the + (plus) icon to create a new connection.

You can either create a new user or use an existing, privileged user (SYSTEM). Using the SYSTEM account is easier although you should not use the SYSTEM user on a shared server to create and query tables. Since you have a private server, you can use the SYSTEM user.

Here are the property values that you need to provide in the window to create a new connection. The SID is the default database name provided in the configuration step of the installation process.

Connection name: any name that you want

User Name: SYSTEM

Password: you need to use the administrative password that you provided in the configuration step in the installation process

Hostname: localhost

Port: 1521

SID: ORCL

You should save and test the connection. You should see a successful test. Select the save password check box and exit the Connection window.

In the Connection pane, you should see a connection with the name that you provided. Select the + button to open the connection. After a minute or so, you should see the list of object categories in this database. You can type SQL statements into the SQL Worksheet and execute statement using run script button. The results of a SQL statement execution will appear below in the Script Output tab.

Mark as completed