Creating a connection from PL/SQL Workbench to Oracle Autonomous Data Warehouse (ADW)
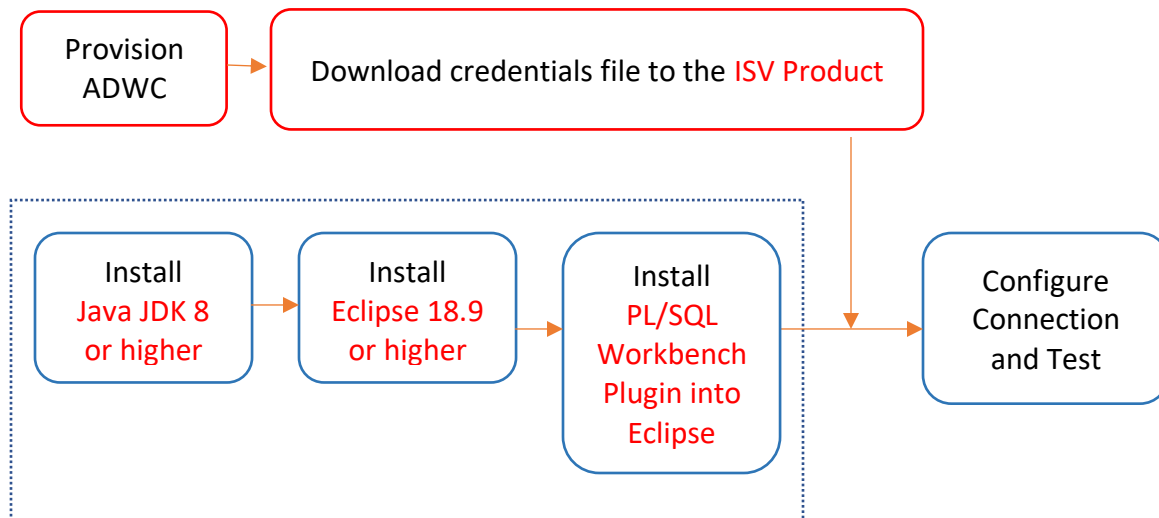
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Validation Matrix	Version
PL/SQL Workbench	2.5.17

Configuration Steps

Provision ADWC → Download credentials file to the ISV Product

Install Java JDK 8 or higher → Install Eclipse 18.9 or higher → Install PL/SQL Workbench Plugin into Eclipse → Configure Connection and Test

Step 1: Provision ADWC plus Install and Configure Oracle Client

1. Provision Autonomous Data Warehouse Cloud (ADWC) and download the corresponding credentials.zip file to the system that will have the PL/SQL Workbench installation. For the Oracle documentation to provision ADWC click here. Also check Downloading Client Credentials (Wallets).

2. All connections to Autonomous Data Warehouse Cloud use certificate-based authentication and Secure Sockets Layer (SSL). Uncompress credentials.zip file into a secure folder.

3. Optional : Download the Oracle Database Client to the system where ISV Product is installed.   Validate that the Oracle Database Client can communicate with ADWC, and since it is installed on the same system as XXX, it ensures that ISV Product is also configured correctly.

4. Optional : Edit the `sqlnet.ora` file, replacing "?/network/admin" with the name of the folder containing the client credentials.

   For example:

   ```
   WALLET_LOCATION = (SOURCE = (METHOD = file) (METHOD_DATA =
   (DIRECTORY="/home/adwc_credentials")))

   SSL_SERVER_DN_MATCH=yes
   ```

5. Optional : Create the `TNS_ADMIN` environment variable and set it to the location of the secure folder containing the credentials file you saved in Step 3. The `tnsnames.ora` file provided with the credentials zip file contains three database service names identifiable as `high`, `medium` and `low`. The predefined service names provide different levels of performance and concurrency for Autonomous Data Warehouse Cloud. Use one of these service names in your `ConnectString`.

6. Optional : Test the Oracle Client with Oracle SQL*Plus

   ```
   sqlplus password/\"Password\"@ConnectString
   or
   sqlplus /nolog
   sql> set define off
   sql> connect username/password@connectString
   ```
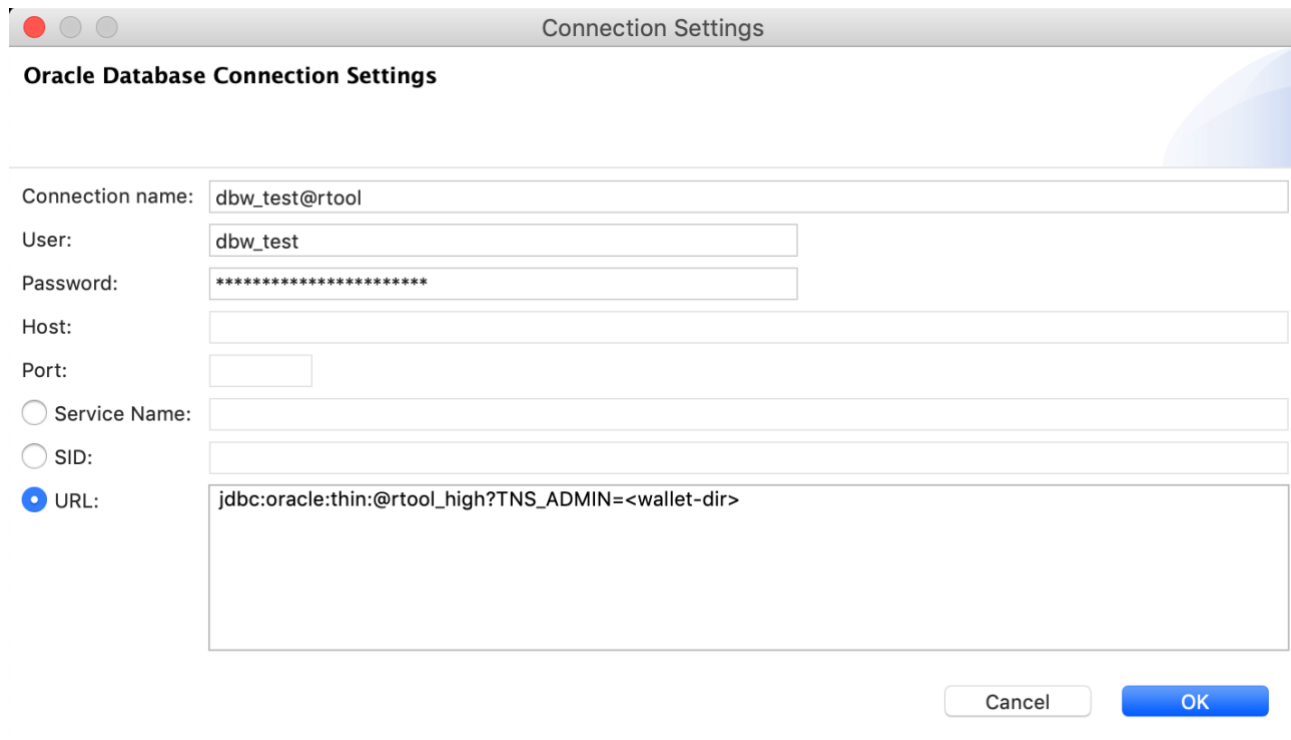
   If the connection is successful you are ready to move to the next step.

Step 2. Configure Connection of **PL/SQL Workbench**

Prerequisite
- An Oracle Autonomous Database ATP/ADW has been provisioned
- The credentials wallet zip-file has been downloaded und unpacked into a directory.
  (named : <wallet-dir>) (https://docs.oracle.com/en/cloud/paas/atp-cloud/atpug/connect-download-wallet.html#GUID-B06202D2-0597-41AA-9481-3B174F75D4B1)
- Java JDK 8 or higher is installed
  (https://www.oracle.com/technetwork/java/javase/downloads/index.html).
- Eclipse IDE is installed (https://www.eclipse.org/downloads).
- PL/SQL Workbench has been installed (http://www.jr-database-tools.de/download).

1. Start the Eclipse IDE.

2. Open the PL/SQL Workbench Perspective press   on 📑 the global toolbar.

3. Press 🗄 in PL/SQL Navigator View to open the Connection Dialog.

4. Edit the Connection Settings
   - Edit ‚Connection Name‘, ‚User‘, ‚Password‘ and choose URL
   - Insert the connection settings like using a JDBC connection
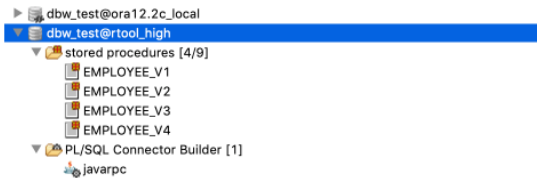   e.g. : jdbc:oracle:thin:@rtool_high?TNS_ADMIN=<wallet-dir>

Step 3. Using the Connection

- Press ![icon] in PL/SQL Navigator View to add a Script Folder with packages, functions, procedures and/or triggers.

- Press ![icon] to add new PL/SQL Connectors

```
▶ 🖳 dbw_test@ora12.2c_local
▼ 🖳 dbw_test@rtool_high
    ▼ 📂 stored procedures [4/9]
          📄 EMPLOYEE_V1
          📄 EMPLOYEE_V2
          📄 EMPLOYEE_V3
          📄 EMPLOYEE_V4
    ▼ ☁ PL/SQL Connector Builder [1]
          🔧 javarpc
```

- More Information : www.jr-database-tools.de