

Create a Connection to Oracle Autonomous Data Warehouse

Before you Begin

This lab shows you how to create a connection to Oracle Autonomous Data Warehouse.

Background

As an administrator, you create a connection to Oracle Autonomous Data Warehouse that enables other users to access data sources and to create datasets for their Oracle Analytics projects.

When using Mutual TLS as the connection's encryption type, you must download a client credentials zip file for the Oracle Autonomous Data Warehouse instance. The file contains security-related files, including a wallet file with certificates for Secure Sockets Layer (SSL) communication between Oracle Autonomous Data Warehouse and Oracle Analytics Cloud. SSL is the only type of connection allowed to Oracle Autonomous Data Warehouse.

You can also use the TLS encryption type when creating a connection to an Oracle Autonomous Data Warehouse instance.


What Do You Need?

- Access to Oracle Cloud Infrastructure
- Access to Oracle Autonomous Data Warehouse
- Access to Oracle Analytics Cloud or Oracle Analytics Desktop

Download the Credentials File

In this section, you download the wallet file needed when using Mutual TLS (mTLS) as the encryption type for the connection to Oracle Autonomous Data Warehouse.

If you are planning to use a wallet-free connection with the Transport Layer Security (TLS) encryption type, you can skip this section.

1. Sign in to your Oracle Cloud instance using your URL.
2. On the Oracle Cloud My Services page, click **Navigator** . Expand **Services**, and select **Autonomous Data Warehouse**.
3. Click your Autonomous Data Warehouse region, for example, North America Autonomous Data Warehouse or EMEA Autonomous Data Warehouse.
4. In the Autonomous Data Warehouse page, click the instance to use for your connection.

5. In the Oracle Autonomous Data Warehouse instance, click **DB Connection**.
6. In Database Connection, under Download Client Credentials (Wallet), click **Download**.
7. In Download Wallet, enter a **Password** to secure the client credentials file. In **Confirm Password**, enter the same password, and then click **Download**.

Some database clients require that you provide both the wallet and the password to connect to your database, and other clients that auto-login without using the wallet password.

8. In Opening Wallet, click **Save**, and then click **OK**.
The client credentials wallet zip file is saved to your default downloads location.

Create the Autonomous Data Warehouse Connection

In this section, you create a connection using the Mutual TLS encryption type.

1. Sign in to Oracle Analytics.
2. On the Home page, click **Create**. In Create Connection, click **Oracle Autonomous Data Warehouse Cloud**, and then click **OK**.
3. In Create Connection, enter a **Connection Name**, for example, MyADW_connection.
4. In **Description**, enter a brief description.
5. From the Encryption Type list, select **Mutual TLS**.
6. Click **Select** next to **Client Credentials**. In File Upload, select the wallet zip file from your download location.

The Client Credentials field is populated with cwallet.sso. The Service Name field contains a value.

7. Enter your Oracle Autonomous Data Warehouse **Username** and **Password**.
8. From the **Service** list, select the service for your data, and then click **Save**.