

Practice: Create an Autonomous Data Warehouse

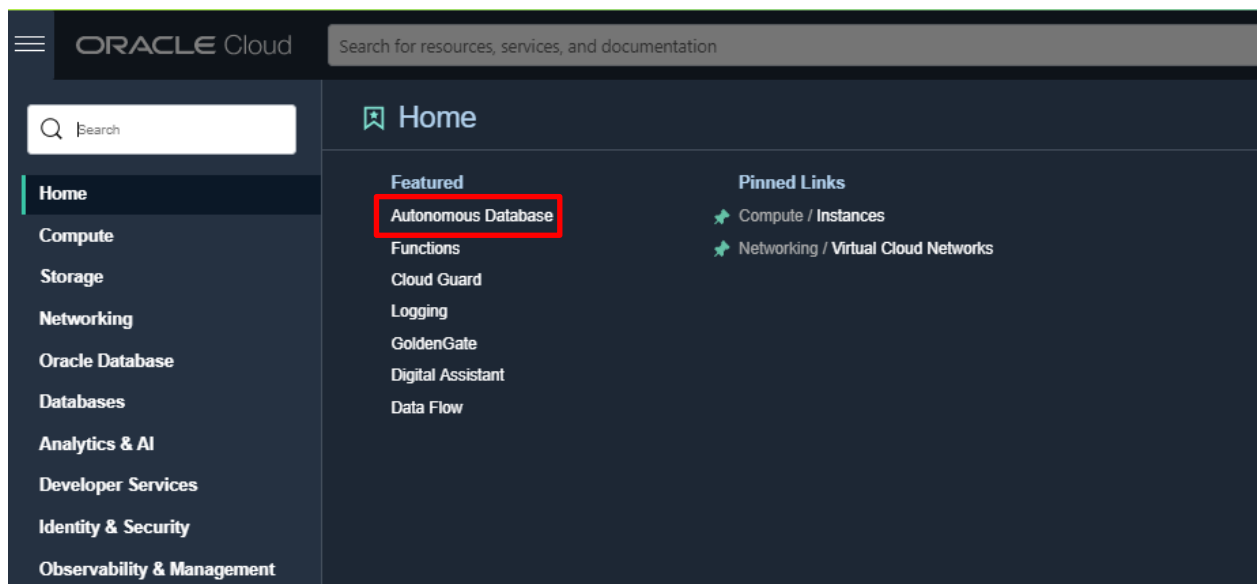
Try this hands-on lab with the **Oracle Cloud Free Tier**. If you do not have a free account, click [here](#) to get one.

Overview

In this practice we are going to create an Autonomous Database.

Tasks

1. Log into your [Oracle Cloud Free Tier Account](#)
2. At this point, you should be logged in to **Oracle Cloud Infrastructure (OCI) Dashboard**, also called as the OCI web console.
3. Click **Menu** ☰ on the top left corner and explore the options available services. You will use this navigation path through the practice.



4. Click “Create Autonomous Database” and provide the below information.

Compartment: **ocilabs**

Display name: **OCI_ADB**

Database name: **OCIADB**

Choose a workload type – **Data Warehouse**

Choose a deployment type – **Shared Infrastructure**

5. In the configure database section by default Always Free option is selected
6. Select the latest version.

7. Provide administrator credentials and confirm, “**Admin**” is the default administrator user

User Name – ADMIN

Password – Enter password

8. **Choose network access**

Access Type

Allow secure access from everywhere

You can restrict access to specific IP addresses and VCNs. ✓

Virtual cloud network

Private access only, using a VCN.

☐ Configure access control rules ⓘ

9. **Choose a license type as Bring Your Own License**

Bring Your Own License (BYOL)

Bring my organization's Oracle Database software licenses to the Database service. [Learn more](#).

License Included

Subscribe to new Oracle Database software licenses and the Database service. ✓

10. **Provide email id for Maintenance contact (optional)**

11. **Click on “Create Autonomous Database”**

Your Autonomous Database will be provisioned in few minutes.


This completes the task of creating an Autonomous Data Warehouse.

Practice: Connect to access ADW using SQL

Overview

In this practice, you will access and query the Autonomous Database using Database actions.


Tasks

1. Log into your [Oracle Cloud Free Tier Account](#)
2. Expand the Menu  located at the top-left corner. Under **Oracle Database**, click **Autonomous Data Warehouse**.
3. In the side menu's Compartment list, select the Compartment, then select the Autonomous Database created in previous practice.

Create Autonomous Database							
Display Name	State	Dedicated	OCPUs	Storage	Workload Type	Autonomous Data Guard	Created
OCI_ADW <small>Always Free</small>	Available	No	1	0.02 TB	Data Warehouse	—	Wed, Jun 30, 2021, 19:23:30 UTC


Displaying 1 Autonomous Database < 1 of 1 >

4. Click **Tools** tab.



AVAILABLE

OCI_ADW Always Free

DB Connection Performance Hub  Service Console Scale Up/Down More Actions

Autonomous Database Information **Tools** Tags

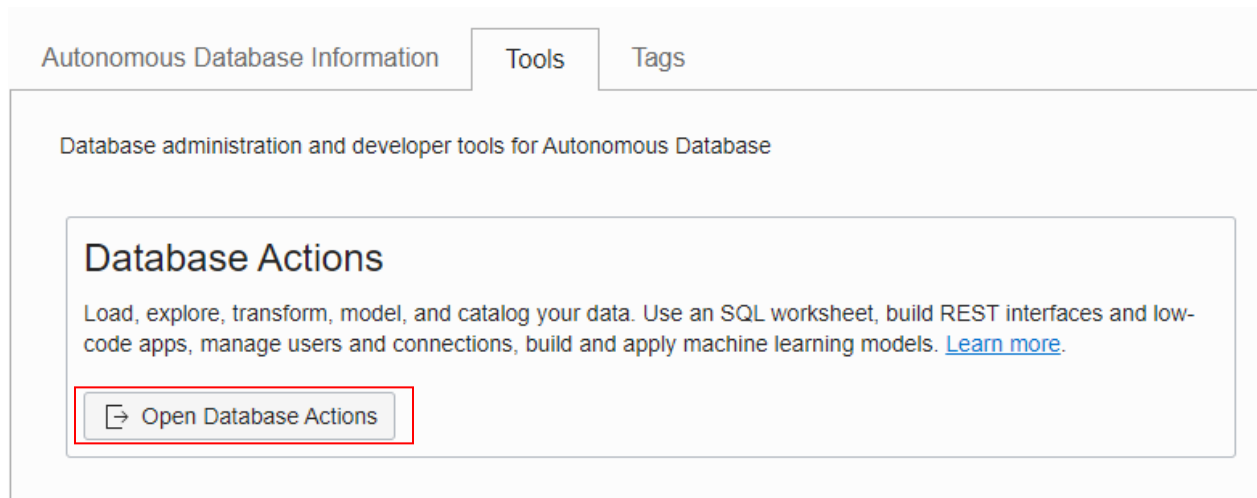
General Information

Database Name: OCIADW
Workload Type: Data Warehouse
Compartment: arora263 (root)/ocilabs-comp
OCID: ...4tqwjq [Show](#) [Copy](#)
Created: Wed, Jun 30, 2021, 19:23:30 UTC
OCPU Count: 1
Auto Scaling: Disabled ⓘ
Storage: 20 GB
License Type: License included
Database Version: 19c
Lifecycle State: Available
Instance Type: Free [Upgrade to Paid](#)
Mode: Read/Write [Edit](#)

APEX Instance

Instance Name: [OCI_ADW](#)

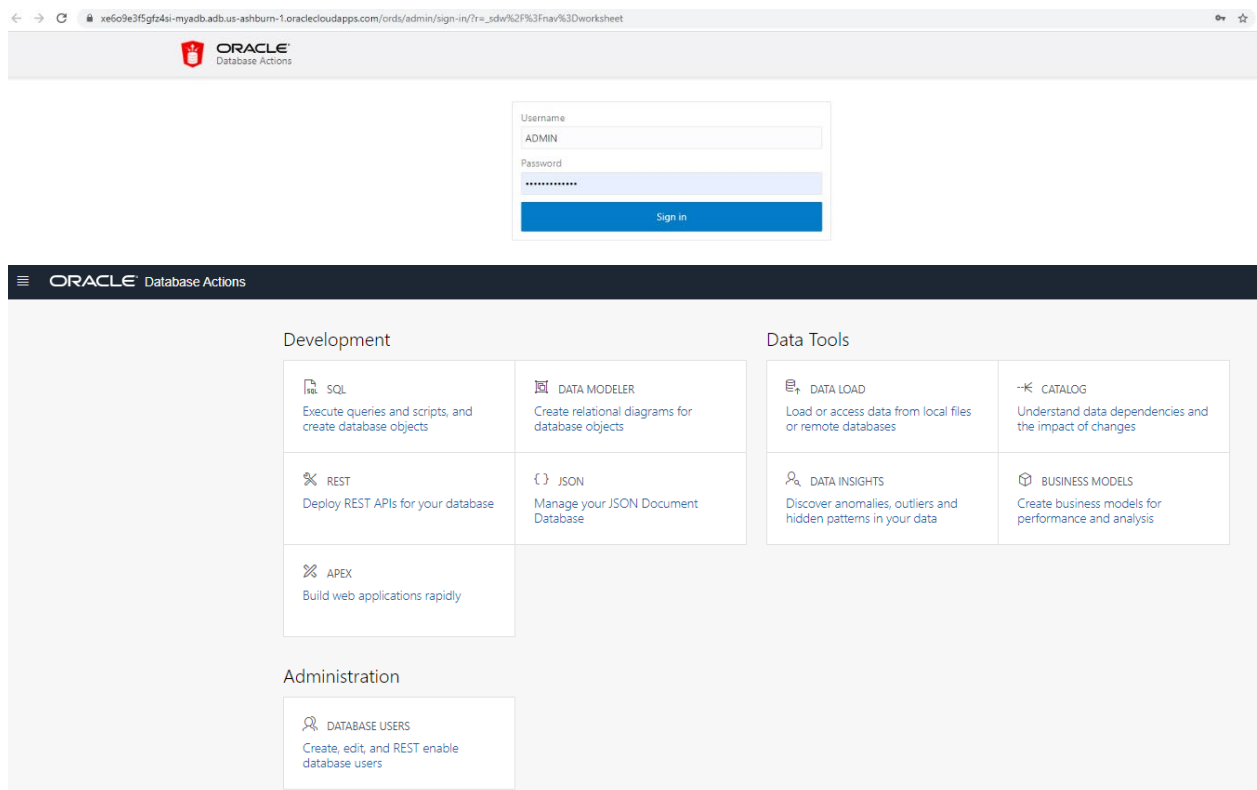
5. In the **Database Actions** area, click **Open Database Actions**.



6. You will be prompted to enter your **username** and **password**. Enter the ADMIN credentials and click **Sign In**.

Username: **ADMIN**

Password: **Entered for Admin user while creating ADW.**




7. Click **SQL**. It will open a worksheet, in which you can enter the queries and fetch data from ADW.

8. Create a database user and provide database actions access to the user.

```
Create user test identified by Wwelcome_123 quota unlimited on
data;
GRANT DWROLE TO test;
```

9. Click Hamburger icon on left hand side and click **Database Users** under **Administration**.

Search for `TEST` user and click three dots  on right and Click **Enable REST**, a dialog box will open and enable **Authorization required** and then click **REST Enable User** to enable login using `TEST` user. After enabling REST, a link will appear in the `TEST` user area, copy the link and paste in new browser tab to login using `TEST` user.

10. Enter username and password for `TEST` user and login.
11. Click **SQL** to open worksheet to execute SQL statements. Create a table and insert few rows.

```
Create table EMP(emp_id number(10) primary key, First_name
Varchar2(20), last_name Varchar2(20), salary number(8,2),
dept_id Number(5));

Insert into emp values(100,'John','Smith', 10000, 5000);

Insert into emp values(101,'David','Smith', 12000, 5010);

Insert into emp values(102,'Robin','Warner', 9000, 5000);

Insert into emp values(103,'Dave','Johnson', 9500, 5000);

Insert into emp values(104,'John','Cook', 10000, 5000);

commit;

Select * from emp;
```

12. This complete the practice to connect and access ADW using SQL.
13. Delete the Autonomous Database OCI_ADW.