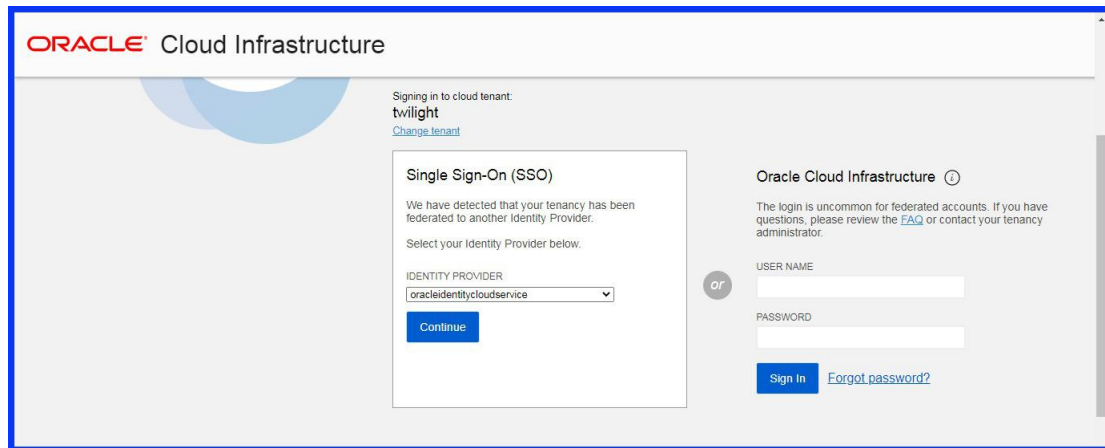


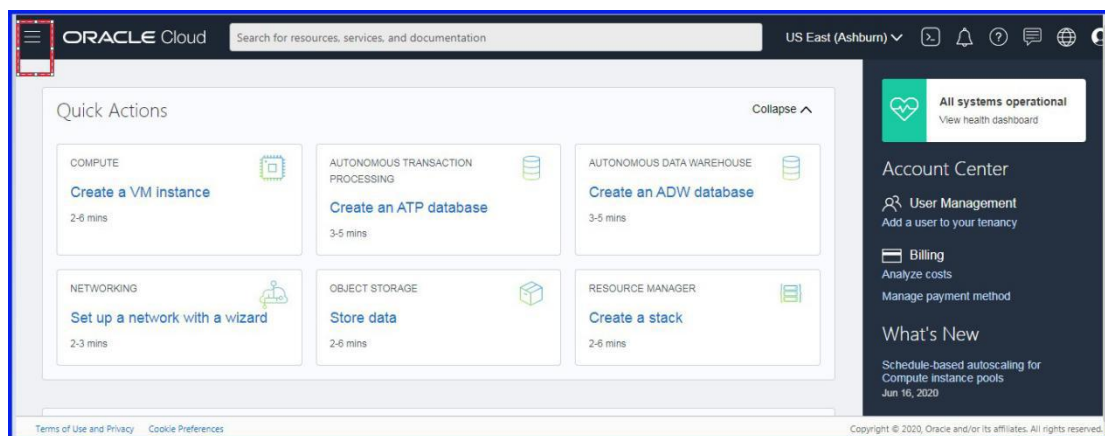
ADW CLONING USING BACKUP

LOGIN TO TENANT

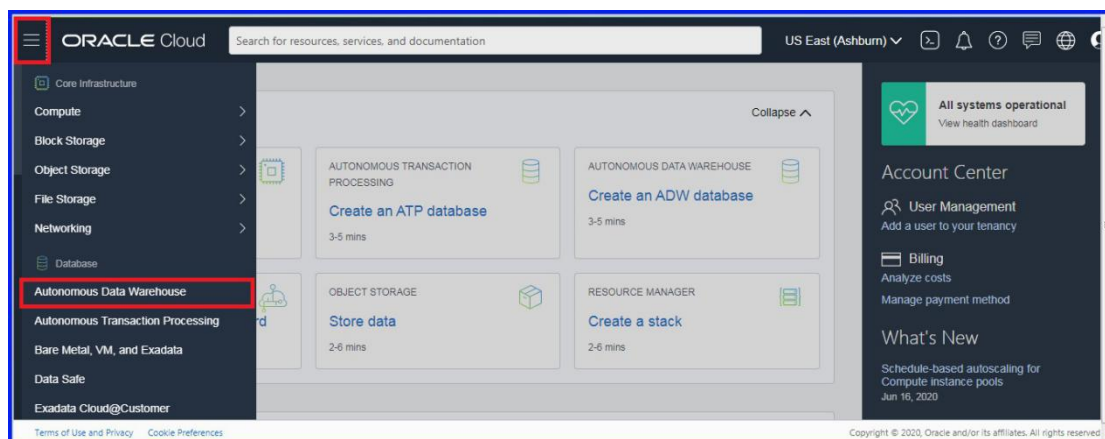
1. Enter appropriate username and password and signin



2. Once login click on the highlighted three lines in below image.



3. Click on Autonomous database warehouse



4. Choose the appropriate compartment .So that the instance in the compartment will be visible.

The screenshot shows the Oracle Cloud console interface. The top navigation bar includes the Oracle Cloud logo, a search bar, and the region 'US East (Ashburn)'. The left sidebar contains navigation links for 'Autonomous Database', 'Dedicated Infrastructure', 'Autonomous Container Database', 'Autonomous Exadata Infrastructure', 'List Scope', and 'Compartment'. The 'Compartment' dropdown is open, showing 'ODI-Non-Production' selected. The main content area is titled 'Autonomous Databases in ODI-Non-Production Compartment' and features a 'Create Autonomous Database' button and a table of existing databases.

Display Name	State	Dedicated	OCPUs	Storage (TB)	Workload Type	Created
ADWDEV	Stopped	No	1	1	Data Warehouse	Wed, May 13, 2020, 13:24:08 UTC
ADB	Stopped	No	1	1	Data Warehouse	Thu, Mar 19, 2020, 18:04:50 UTC
ADB Non Production	Stopped	No	1	1	Data Warehouse	Thu, Oct 24, 2019, 14:50:21 UTC

Displaying 4 Autonomous Databases < 1 of 1 >

5. Find the instance to be cloned. And click on the DISPLAY NAME and next page will open.

This screenshot shows the details page for the 'ADB Non Production' database. The 'Compartment' dropdown is still set to 'ODI-Non-Production'. The table lists the database, and the 'ADB Non Production' entry is highlighted with a red box. Below the table, there are sections for 'Work Resources' and 'Storage Utilization'.

Display Name	State	Dedicated	OCPUs	Storage (TB)	Workload Type	Created
ADWDEV	Stopped	No	1	1	Data Warehouse	Wed, May 13, 2020, 13:24:08 UTC
ADB	Stopped	No	1	1	Data Warehouse	Thu, Mar 19, 2020, 18:04:50 UTC
ADB Non Production	Stopped	No	1	1	Data Warehouse	Thu, Oct 24, 2019, 14:50:21 UTC

Displaying 4 Autonomous Databases < 1 of 1 >

6. On this page scroll down and locate BACKUPS on left side and click on Backups.

The screenshot shows the Oracle Cloud console for an Autonomous Database (ADW-NONPROD). The left sidebar contains a 'Backups' link, which is highlighted with a red box. The main content area displays various database metrics and a 'Backups' section at the bottom, which is also highlighted with a red box. The 'Backups' section shows a table with columns for Display Name, State, Type, Started, and Ended. A red box highlights the three dots menu icon on the right side of the table.

7. After clicking in Backups , Find the appropriate backup from the list.
Click the three dots on right side .

The screenshot shows the Oracle Cloud console for the 'Backups' page. The left sidebar contains a 'Backups (1)' link, which is highlighted with a red box. The main content area displays a table of backups with columns for Display Name, State, Type, Started, and Ended. A red box highlights the three dots menu icon on the right side of the table.

On the expanded window click **CREATE CLONE**.

The screenshot shows the Oracle Cloud console for the 'Backups' page with the expanded menu. The left sidebar contains a 'Backups (1)' link, which is highlighted with a red box. The main content area displays a table of backups with columns for Display Name, State, Type, Started, and Ended. A red box highlights the three dots menu icon on the right side of the table. The expanded menu shows 'Restore' and 'Create Clone' options, with 'Create Clone' highlighted by a red box.

8. After clicking Create clone, you will see Create Autonomous Database Clone dialog opened . Provide necessary input as below.

In the Create Autonomous Database Clone dialog, enter the following :

- **Compartment:** Your current compartment is the default selection.
- **Display Name:** A user-friendly description or other information that helps you easily identify the resource. The display name does not have to be unique, and you can change it whenever you like. Avoid entering confidential information.
- **Database Name:** The database name must consist of letters and numbers only, starting with a letter. The maximum length is 14 characters. Avoid entering confidential information.
- **CPU Core Count:** You can enable up to 128 cores for your Autonomous Database. The actual number of available cores is subject to your tenancy's service limits.
- **Storage:** Specify the storage you wish to make available to your instance. You can make up to 128 TB available

(Note : for Full Clone you must specify storage size at least the amount of source ADW / ATP ,else it will fail)

- **Password** must follow below guidelines:
 - Between 12 and 30 characters long
 - Contains at least one lowercase letter
 - Contains at least one uppercase letter
 - Contains at least one number
 - Does not contain the double quotation mark (")
 - Does not contain the string "admin", regardless of casing

After Entering Appropriate details

Click on

Create Autonomous Database Clone

ORACLE Cloud

Search for resources and services

Create Autonomous Database Clone

Choose a clone type

Full Clone

Creates a new database with source database's data and metadata.

✓

Metadata Clone

Creates a new database that includes all source database schema metadata, but not the source database data.

Clone source

Display name: May 22, 2020 07:29:31 UTC

Backup time ended: Fri, May 22, 2020, 07:29:31 UTC

Provide basic information for the Autonomous Database clone

Create in compartment

compartment in which the DB is to be cloned

ODI-Non-Production

Source database name

READ-ONLY

ADB Production

Display name

A user-friendly description or other information that helps you easily identify the resource

ADBPRODCLONE-0522

A user friendly name to help you easily identify the resource.

Display name

ADBPRODCLONE-0522

A user friendly name to help you easily identify the resource.

Database name

The database name must consist of letters and numbers only, starting with a letter

ADBPRODCLONE

The name must contain only letters and numbers, starting with a letter. 14 characters max.

Configure the database

Choose database version

Select DB version

18c

Cloned databases must use an Oracle Database version that is the same or higher than the source database.

OCPU count

1

Not limited to OCPU cores to extend. Available cores are subject to your tenancy's service limits.

Storage (TB)

1

The amount of storage to allocate.

☐ Auto scaling

Allows system to use up to three times the provisioned number of cores as the workload increases. [Learn more.](#)

Create administrator credentials

Username

READ-ONLY

ADMIN

Admin username cannot be edited.

Password

Confirm password

Password should match the given guideline

Choose network access

☒ 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

Choose a license type

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.

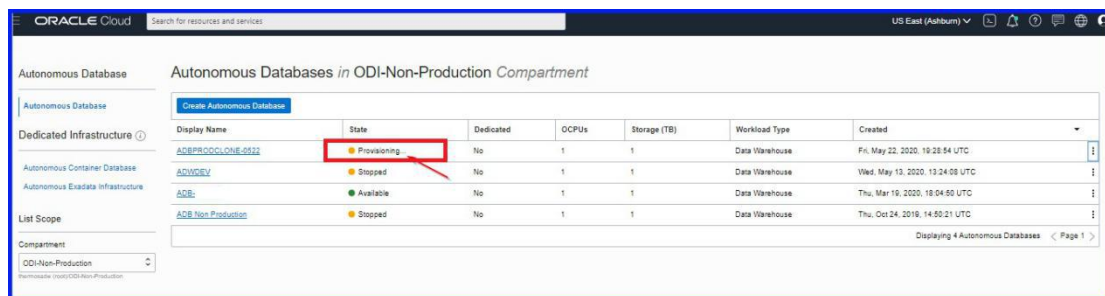
Show Advanced Options

Click on the below button to start the clone

Create Autonomous Database Clone

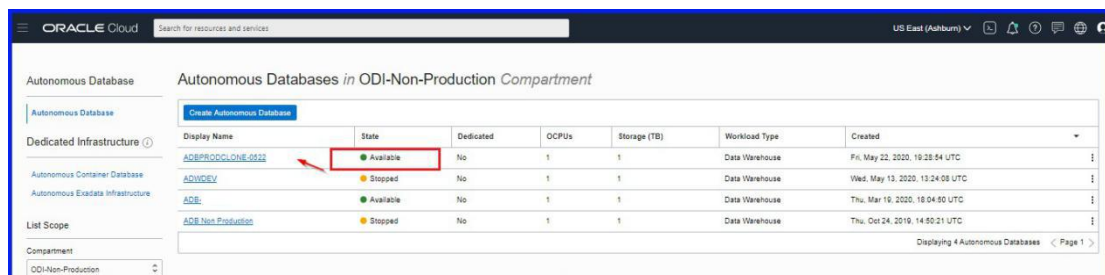
Cancel

9. Now we can see the cloning in progress.



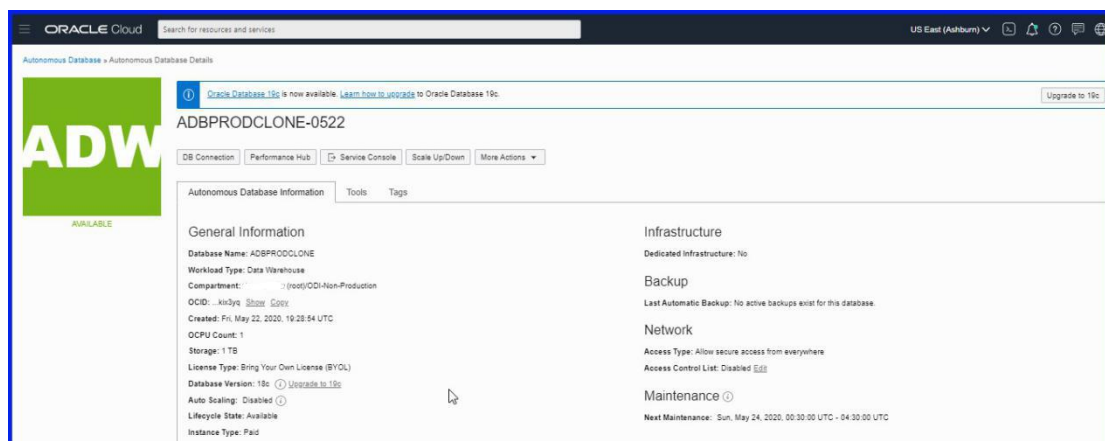
Display Name	State	Dedicated	OCPUs	Storage (TB)	Workload Type	Created
ADBPRODCLONE-0522	Provisioning	No	1	1	Data Warehouse	Fri, May 22, 2020, 19:28:54 UTC
ADBDEV	Stopped	No	1	1	Data Warehouse	Wed, May 13, 2020, 13:24:08 UTC
ADB	Available	No	1	1	Data Warehouse	Thu, Mar 19, 2020, 18:04:50 UTC
ADB Non-Production	Stopped	No	1	1	Data Warehouse	Thu, Oct 24, 2019, 14:50:21 UTC

10. Once the cloning completed .We will see the status of instance as available.



Display Name	State	Dedicated	OCPUs	Storage (TB)	Workload Type	Created
ADBPRODCLONE-0522	Available	No	1	1	Data Warehouse	Fri, May 22, 2020, 19:28:54 UTC
ADBDEV	Stopped	No	1	1	Data Warehouse	Wed, May 13, 2020, 13:24:08 UTC
ADB	Available	No	1	1	Data Warehouse	Thu, Mar 19, 2020, 18:04:50 UTC
ADB Non-Production	Stopped	No	1	1	Data Warehouse	Thu, Oct 24, 2019, 14:50:21 UTC

11. Click on the Display name to view the details.



ADW
AVAILABLE

ADBPRODCLONE-0522

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

Autonomous Database Information | Tools | Tags

General Information

- Database Name: ADBPRODCLONE
- Workload Type: Data Warehouse
- Compartment: (root)/ODI-Non-Production
- OCID: ...kindya [Show](#) [Copy](#)
- Created: Fri, May 22, 2020, 19:28:54 UTC
- OCPU Count: 1
- Storage: 1 TB
- License Type: Bring Your Own License (BYOL)
- Database Version: 18c [Upgrade to 19c](#)
- Auto Scaling: Disabled
- Lifecycle State: Available
- Instance Type: Paid

Infrastructure

- Dedicated Infrastructure: No

Backup

- Last Automatic Backup: No active backups exist for this database.

Network

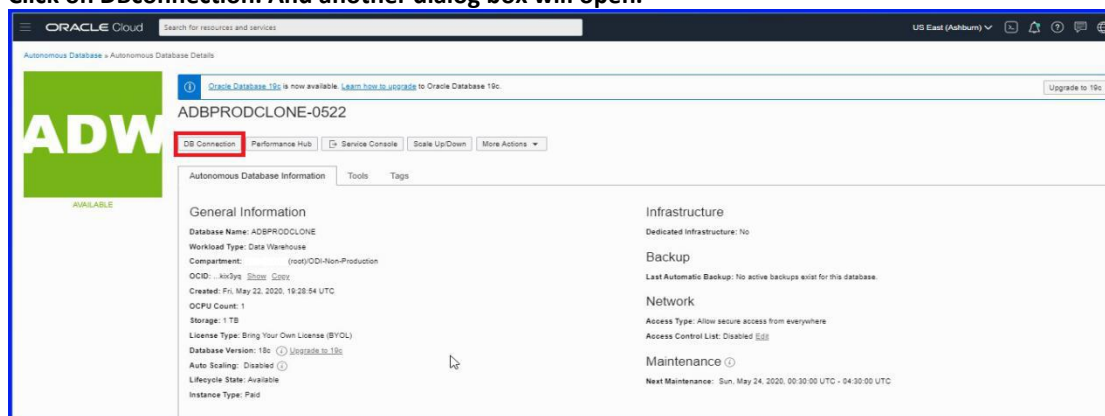
- Access Type: Allow secure access from everywhere
- Access Control List: Disabled [Edit](#)

Maintenance

- Next Maintenance: Sun, May 24, 2020, 00:30:00 UTC - 04:30:00 UTC

12. After cloning Create wallet for connecting database from sql developer.

Click on DBConnection. And another dialog box will open.



ADW
AVAILABLE

ADBPRODCLONE-0522

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

Autonomous Database Information | Tools | Tags

General Information

- Database Name: ADBPRODCLONE
- Workload Type: Data Warehouse
- Compartment: (root)/ODI-Non-Production
- OCID: ...kindya [Show](#) [Copy](#)
- Created: Fri, May 22, 2020, 19:28:54 UTC
- OCPU Count: 1
- Storage: 1 TB
- License Type: Bring Your Own License (BYOL)
- Database Version: 18c [Upgrade to 19c](#)
- Auto Scaling: Disabled
- Lifecycle State: Available
- Instance Type: Paid

Infrastructure

- Dedicated Infrastructure: No

Backup

- Last Automatic Backup: No active backups exist for this database.

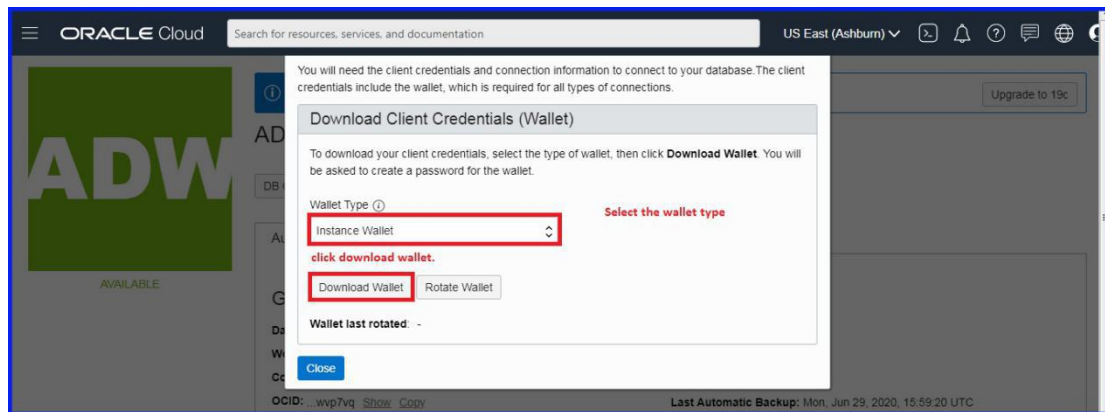
Network

- Access Type: Allow secure access from everywhere
- Access Control List: Disabled [Edit](#)

Maintenance

- Next Maintenance: Sun, May 24, 2020, 00:30:00 UTC - 04:30:00 UTC

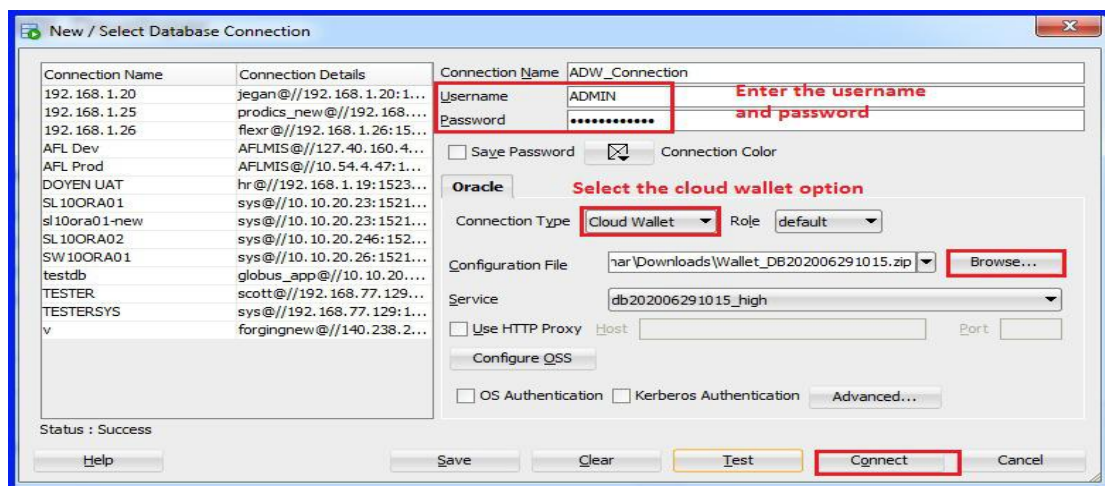
Select the Instance wallet and click download. A zipped file will be downloaded.



13. Connecting to sql developer

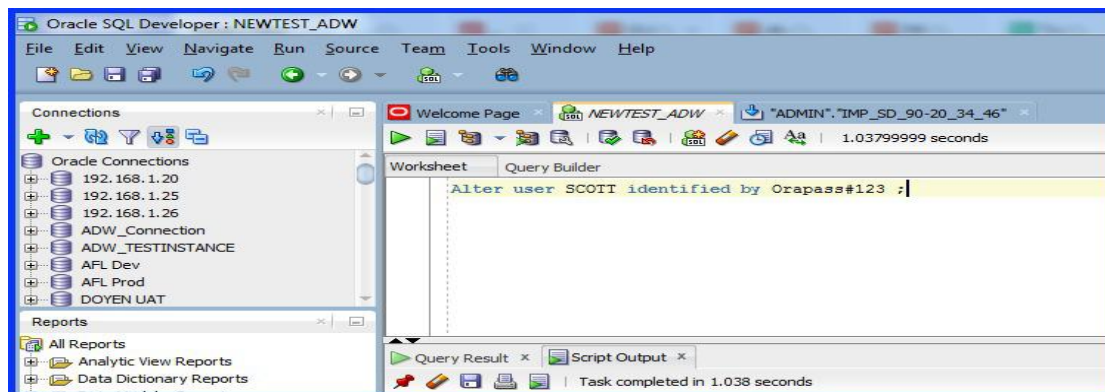
Note: Get a recent version of sql developer for establishing connection using cloud wallet.

- Enter username of user to be connected and password.
- Select cloud wallet in CONNECTION TYPE drop down menu.
- Click on Browse and choose the downloaded wallet (ZIP) file.
- Click on connect.



After login as ADMIN . Change the passwords for the users .

Alter user SCOTT identified by <Enter_new_Password> ;

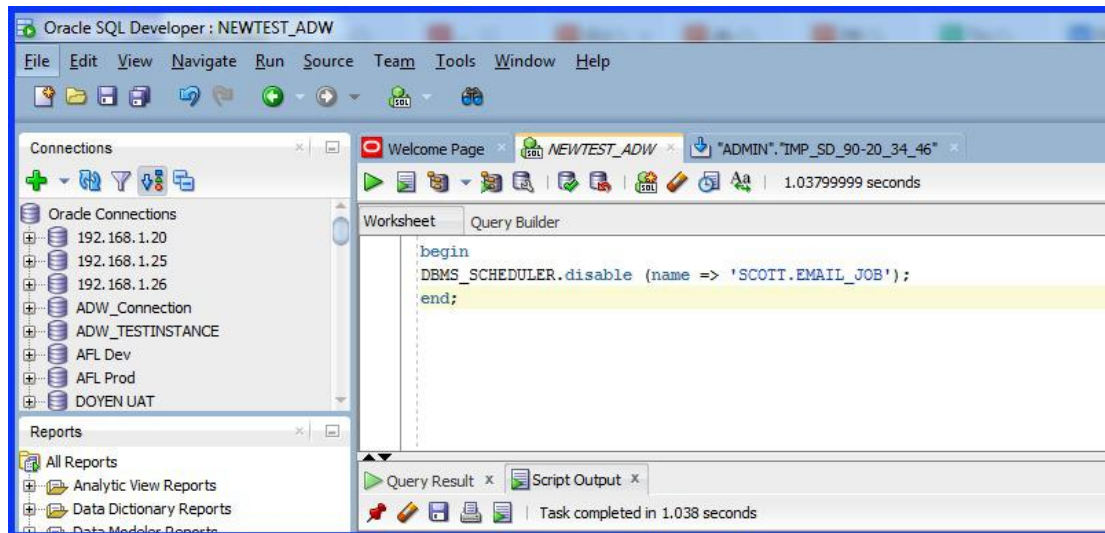


13.After cloning ,To disable the unnecessary JOBS .

Execute the below command to disable unnecessary jobs.

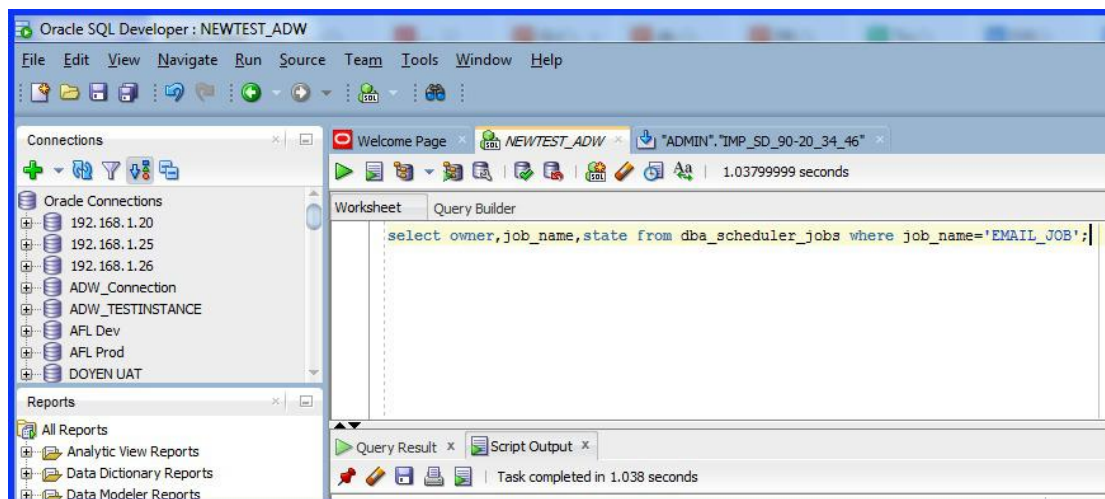
```
begin
DBMS_SCHEDULER.disable (name => 'SCHEMA.JOB_NAME');
end;
```

```
begin
DBMS_SCHEDULER.disable (name => 'SCOTT.EMAIL_JOB');
end;
```



➤ To check the status of the disabled job, Run below command

```
select owner,job_name,state from dba_scheduler_jobs where job_name='EMAIL_JOB';
```



-----END-----