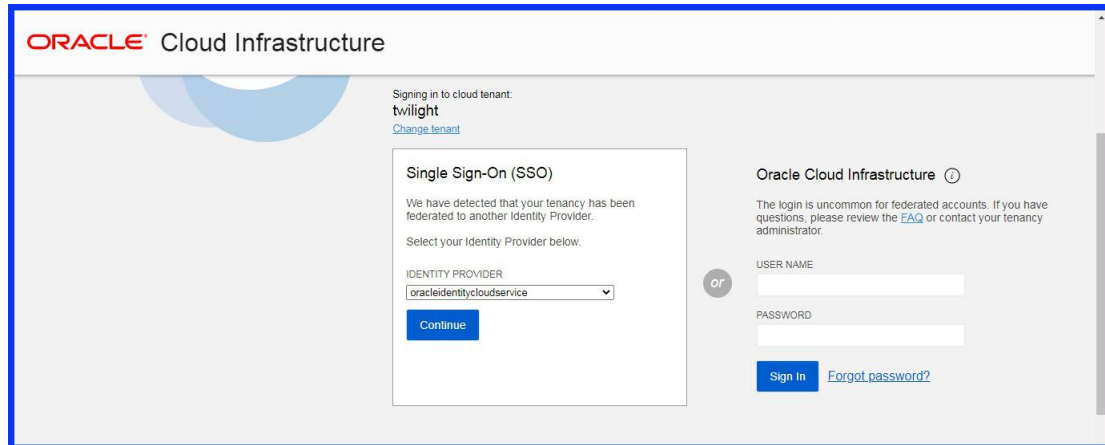


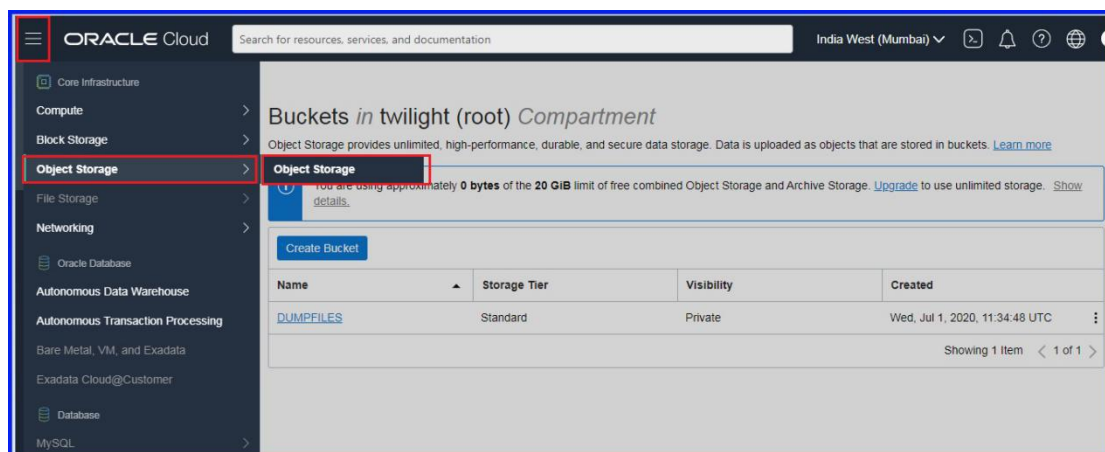
MOVING DUMPFILES IN AND OUT OF AUTONOMOUS DATA WAREHOUSE

Sign in to Oracle cloud



The screenshot shows the Oracle Cloud Infrastructure sign-in page. At the top, it says "ORACLE Cloud Infrastructure". Below this, it indicates the user is signing in to the "twilight" tenant. There are two main sign-in options: "Single Sign-On (SSO)" and "Oracle Cloud Infrastructure". The SSO option has a dropdown for "IDENTITY PROVIDER" set to "oracleidentitycloudservice" and a "Continue" button. The OCI option has fields for "USER NAME" and "PASSWORD", a "Sign In" button, and a "Forgot password?" link.

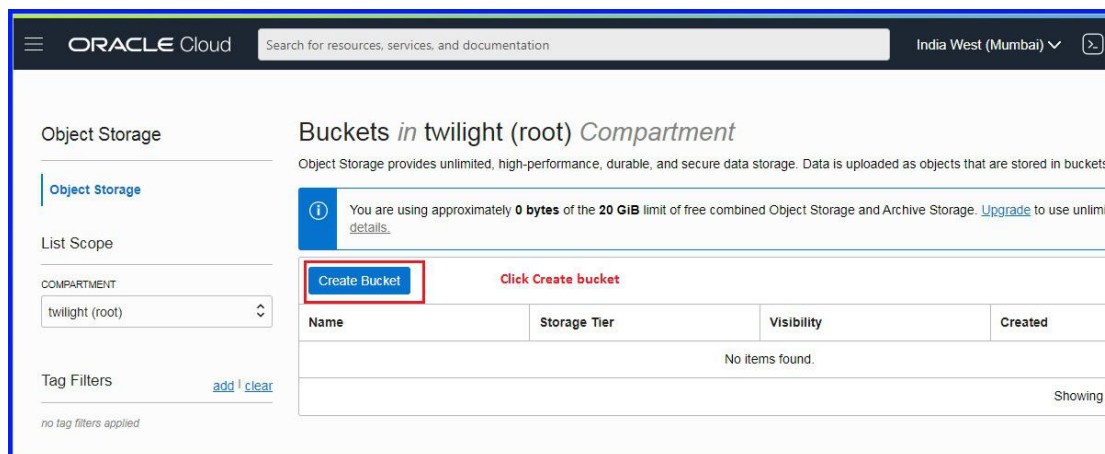
Create bucket



The screenshot shows the Oracle Cloud Console "Buckets" page. The left sidebar has a menu with "Object Storage" highlighted. The main content area is titled "Buckets in twilight (root) Compartment". It includes a "Create Bucket" button and a table with one bucket named "DUMPFILES".

Name	Storage Tier	Visibility	Created
DUMPFILES	Standard	Private	Wed, Jul 1, 2020, 11:34:48 UTC

Click create bucket



The screenshot shows the Oracle Cloud Console "Create Bucket" page. The left sidebar has "Object Storage" selected. The main content area is titled "Buckets in twilight (root) Compartment". It includes a "Create Bucket" button and a table with columns "Name", "Storage Tier", "Visibility", and "Created".

Name	Storage Tier	Visibility	Created
No items found.			

Create Bucket

[Help](#) [Cancel](#)

BUCKET NAME

DUMPFILES

Enter name for bucket

STORAGE TIER

Storage tier for a bucket can only be specified during creation. Once set, you cannot change the storage tier in which a bucket resides.

☒ STANDARD

☐ ARCHIVE

OBJECT EVENTS i

☐ EMIT OBJECT EVENTS

OBJECT VERSIONING i

☐ ENABLE OBJECT VERSIONING

ENCRYPTION

☒ ENCRYPT USING ORACLE MANAGED KEYS
Leaves all encryption-related matters to Oracle.

☐ ENCRYPT USING CUSTOMER-MANAGED KEYS
Requires you to have access to a valid Key Management key. [Learn More](#)

TAGS

Tagging is a metadata system that allows you to organize and track resources within your tenancy. Tags are composed of keys and values that can be attached to resources.
[Learn more about tagging](#)

TAG NAMESPACE

None (add a free-form tag) ⌵

TAG KEY

VALUE

×

+ Additional Tag

Create Bucket

Cancel

Now the bucket with name **DUMPFILE** is created

ORACLE Cloud

Search for resources, services, and documentation

India West (Mumbai) ⌵ 🔍 🔔 ? 🌐

Object Storage

Object Storage

List Scope

COMPARTMENT

twilight (root) ⌵

Tag Filters [add](#) [clear](#)

no tag filters applied

Buckets in twilight (root) *Compartment*

Object Storage provides unlimited, high-performance, durable, and secure data storage. Data is uploaded as objects that are stored in buckets. [Learn more](#)

📘 You are using approximately 0 bytes of the 20 GiB limit of free combined Object Storage and Archive Storage. [Upgrade](#) to use unlimited storage. [Show details](#).

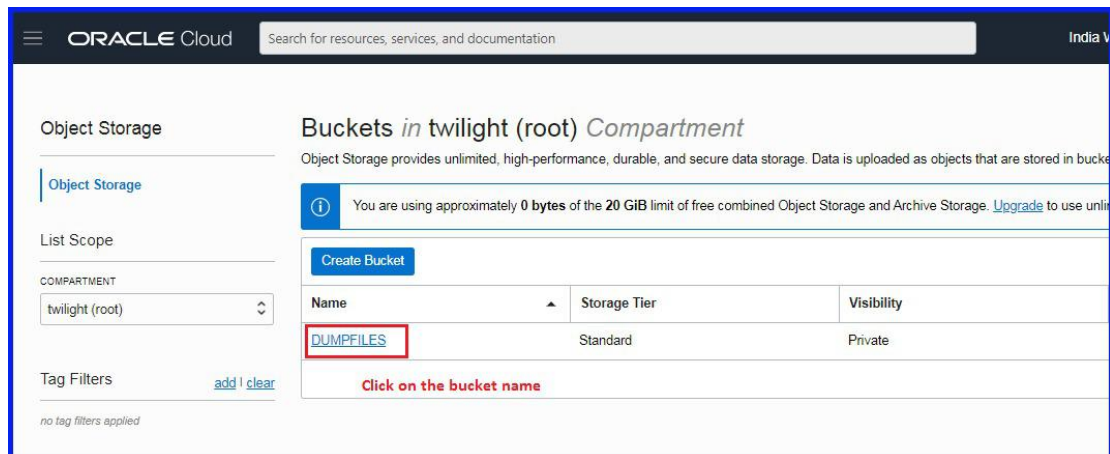
Create Bucket

Name	Storage Tier	Visibility	Created
DUMPFILES	Standard	Private	Thu, Jul 9, 2020, 14:12:34 UTC

Showing 1 item < 1 of 1 >

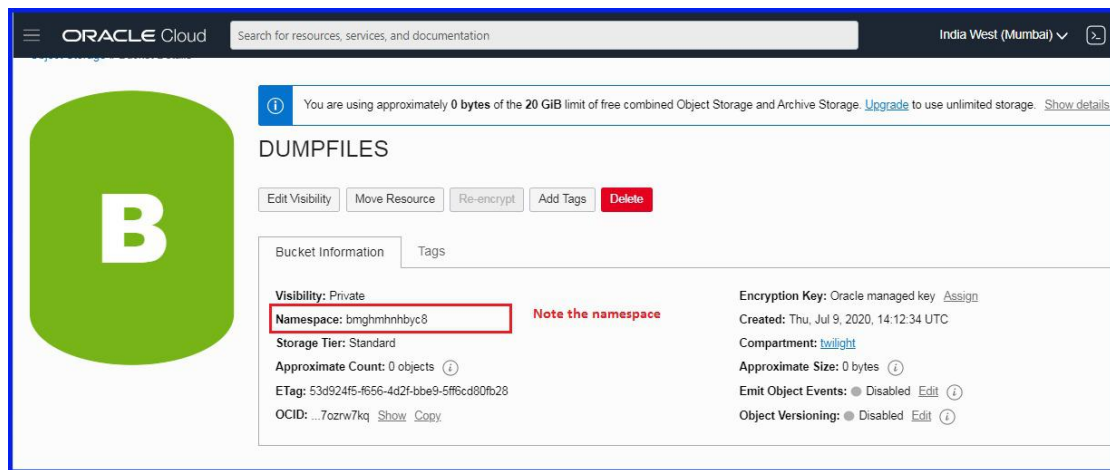
Bucket created

To find Namespace details



This screenshot shows the Oracle Cloud Object Storage interface. On the left, the 'Object Storage' sidebar is visible with a 'List Scope' dropdown set to 'twilight (root)'. The main area displays 'Buckets in twilight (root) Compartment'. A table lists buckets, with 'DUMPFILES' highlighted by a red box. A red text label 'Click on the bucket name' points to the highlighted bucket. A notification at the top indicates that 0 bytes of the 20 GiB limit are being used.

Name	Storage Tier	Visibility
DUMPFILES	Standard	Private



This screenshot shows the details for the 'DUMPFILES' bucket. The 'Bucket Information' tab is active. The 'Namespace' is highlighted with a red box and labeled 'Note the namespace'. Other details include 'Visibility: Private', 'Storage Tier: Standard', 'Approximate Count: 0 objects', and 'Encryption Key: Oracle managed key'. A green bucket icon with a white 'B' is shown on the left.

Namespace: bmghmnhnbyc8 *Note the namespace*

Visibility: Private

Storage Tier: Standard

Approximate Count: 0 objects

Encryption Key: Oracle managed key [Assign](#)

Created: Thu, Jul 9, 2020, 14:12:34 UTC

Compartment: twilight

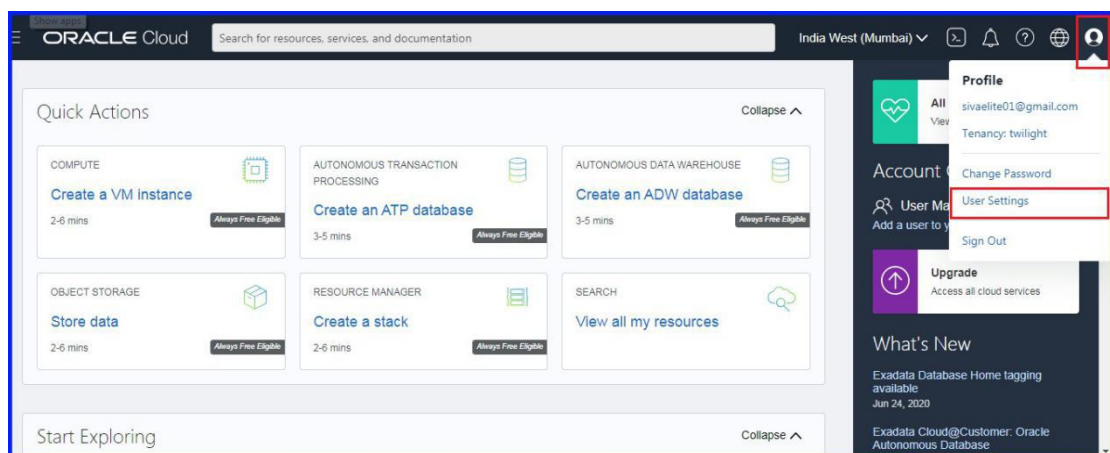
Approximate Size: 0 bytes

Emit Object Events: Disabled [Edit](#)

Object Versioning: Disabled [Edit](#)

Generate Auth token

Navigate as shown in Screen shot.



This screenshot shows the Oracle Cloud 'Quick Actions' page. The 'User Settings' option in the user profile dropdown menu is highlighted with a red box. The dropdown menu also shows the user's profile, email, and other account information.

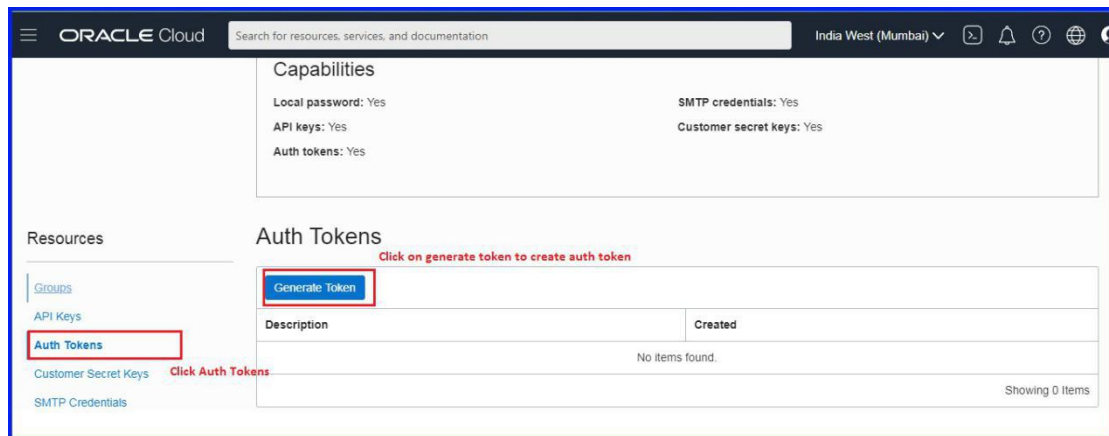
Quick Actions:

- COMPUTE: Create a VM instance (2-6 mins, Always Free Eligible)
- AUTONOMOUS TRANSACTION PROCESSING: Create an ATP database (3-5 mins, Always Free Eligible)
- AUTONOMOUS DATA WAREHOUSE: Create an ADW database (3-5 mins, Always Free Eligible)
- OBJECT STORAGE: Store data (2-6 mins, Always Free Eligible)
- RESOURCE MANAGER: Create a stack (2-6 mins, Always Free Eligible)
- SEARCH: View all my resources

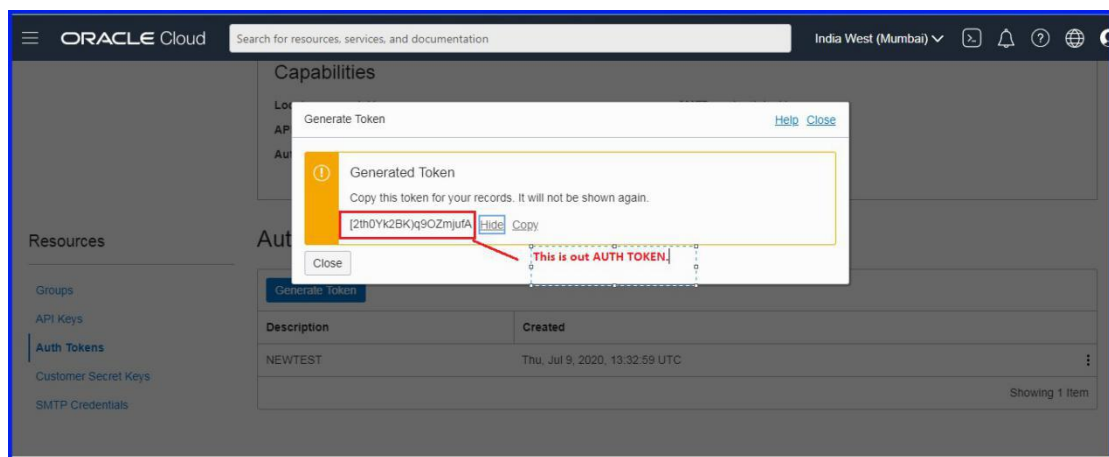
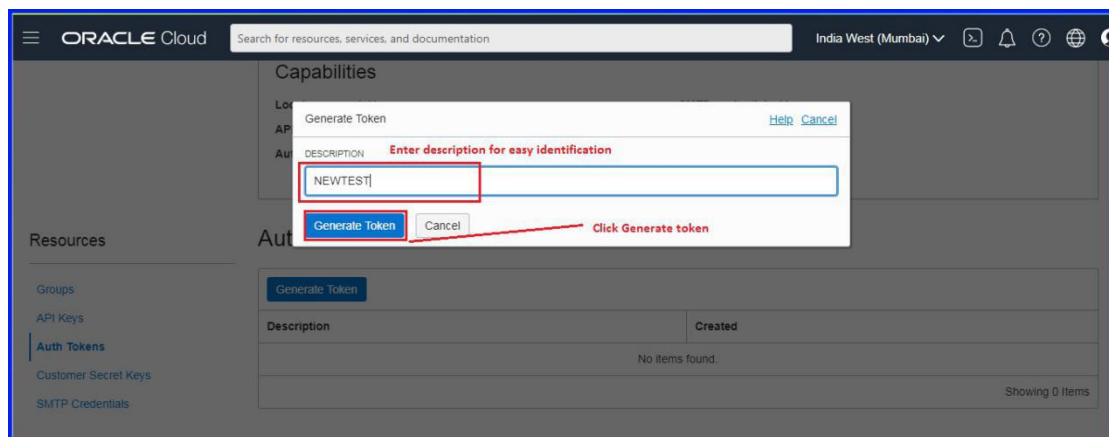
User Profile:

- Profile: sivaelite01@gmail.com
- Tenancy: twilight
- Change Password
- User Settings
- Sign Out

Scroll down and find the Auth tokens on Left side and click.



Enter the Description name for identification



Note the Auth token : [2th0Yk2BK]q9OZmjufA

Creating credential

Connect to sql developer

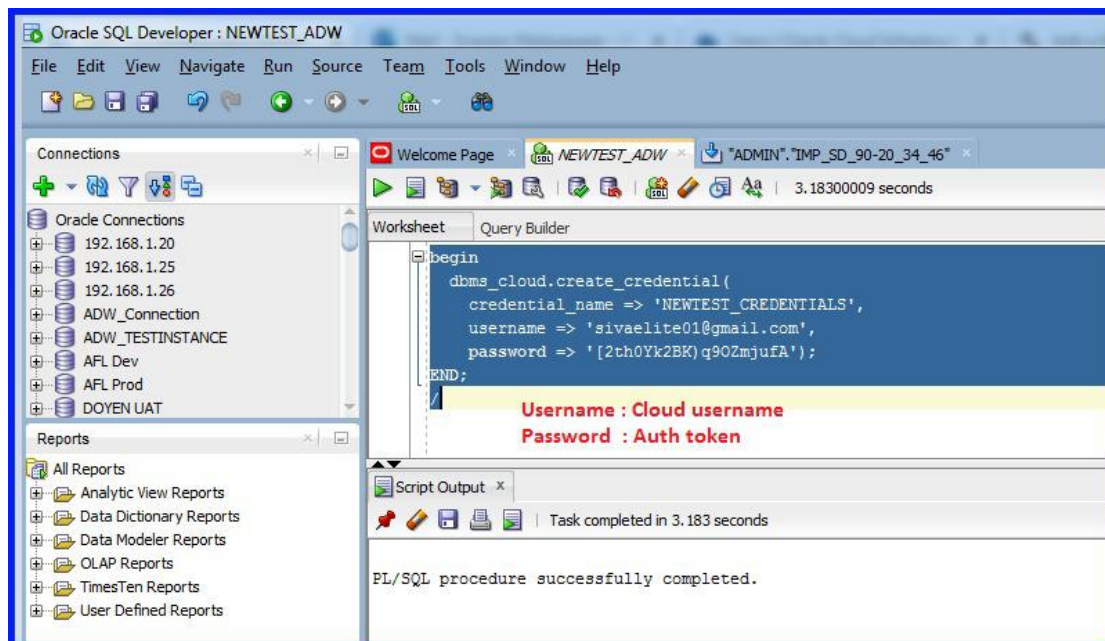
begin

```
dbms_cloud.create_credential(  
  credential_name => 'NEWTEST_CREDENTIALS',  
  username => 'sivaelite01@gmail.com',  
  password => '[2th0Yk2BK)q9OZmjufA)';
```

END;

/

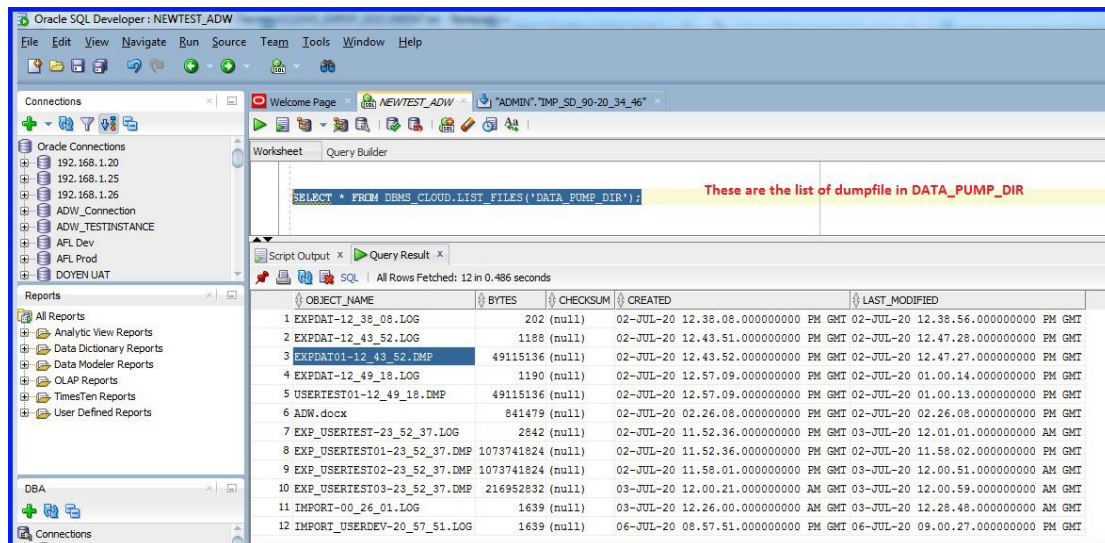
We are creating credential with name 'NEWTEST_CREDENTIALS'



1. Created bucket
2. Created auth token
3. Created credential
4. Noted Namespace detail
5. Check the region

Find the dumpfiles in directory

```
SELECT * FROM DBMS_CLOUD.LIST_FILES('DATA_PUMP_DIR');
```



The screenshot shows the Oracle SQL Developer interface. The main window displays the query result for the command `SELECT * FROM DBMS_CLOUD.LIST_FILES('DATA_PUMP_DIR');`. The result is a table with 12 rows, each representing a dumpfile. The columns are: OBJECT_NAME, BYTES, CHECKSUM, CREATED, and LAST_MODIFIED. The dumpfiles are listed in the following order:

OBJECT_NAME	BYTES	CHECKSUM	CREATED	LAST_MODIFIED
EXPDAT-12_38_08.LOG	202 (null)	02-JUL-20 12.38.08.000000000 PM GMT	02-JUL-20 12.38.56.000000000 PM GMT	
EXPDAT-12_43_52.LOG	1188 (null)	02-JUL-20 12.43.51.000000000 PM GMT	02-JUL-20 12.47.28.000000000 PM GMT	
EXPDAT01-12_43_52.DMP	49115136 (null)	02-JUL-20 12.43.52.000000000 PM GMT	02-JUL-20 12.47.27.000000000 PM GMT	
EXPDAT-12_49_18.LOG	1190 (null)	02-JUL-20 12.57.09.000000000 PM GMT	02-JUL-20 01.00.14.000000000 PM GMT	
USERTEST01-12_49_18.DMP	49115136 (null)	02-JUL-20 12.57.09.000000000 PM GMT	02-JUL-20 01.00.13.000000000 PM GMT	
ADW.docx	841479 (null)	02-JUL-20 02.26.08.000000000 PM GMT	02-JUL-20 02.26.08.000000000 PM GMT	
EXP_USERTEST-23_52_37.LOG	2842 (null)	02-JUL-20 11.52.36.000000000 PM GMT	03-JUL-20 12.01.01.000000000 AM GMT	
EXP_USERTEST01-23_52_37.DMP	1073741824 (null)	02-JUL-20 11.52.36.000000000 PM GMT	02-JUL-20 11.58.02.000000000 PM GMT	
EXP_USERTEST02-23_52_37.DMP	1073741824 (null)	02-JUL-20 11.58.01.000000000 PM GMT	03-JUL-20 12.00.51.000000000 AM GMT	
EXP_USERTEST03-23_52_37.DMP	216952832 (null)	03-JUL-20 12.00.21.000000000 AM GMT	03-JUL-20 12.00.59.000000000 AM GMT	
IMPORT-00_26_01.LOG	1639 (null)	03-JUL-20 12.26.00.000000000 AM GMT	03-JUL-20 12.28.48.000000000 AM GMT	
IMPORT_USERDEV-20_57_51.LOG	1639 (null)	06-JUL-20 08.57.51.000000000 PM GMT	06-JUL-20 09.00.27.000000000 PM GMT	

Downloading the dumpfile from ADW to local

In this case we are going to download the dumpfile EXPDAT01-12_43_52.DMP in data_pump_dir to local

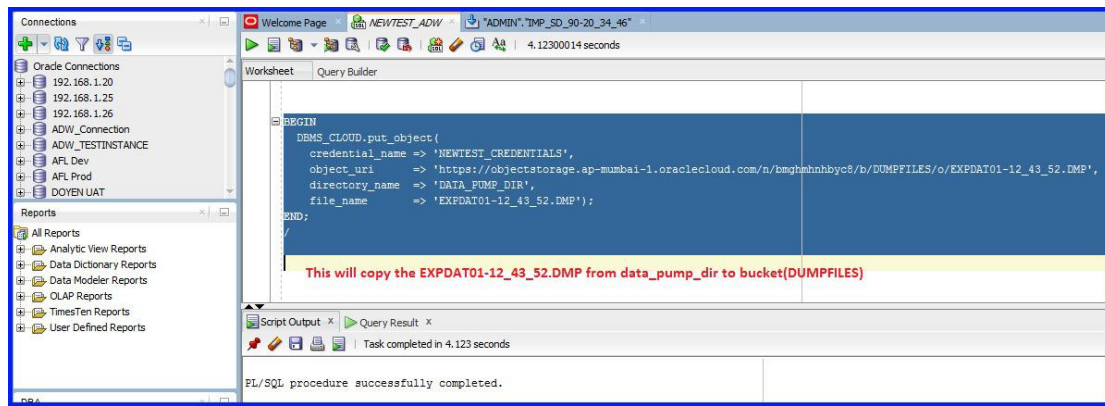
1. Construct a object_uri

https://objectstorage.<region>.oraclecloud.com/n/<namespace>/b/<bucket>/o/<file_name>

https://objectstorage.ap-mumbai-1.oraclecloud.com/n/bmghmnhnbyc8/b/DUMPFILLES/o/USERTEST01-12_49_18.DMP

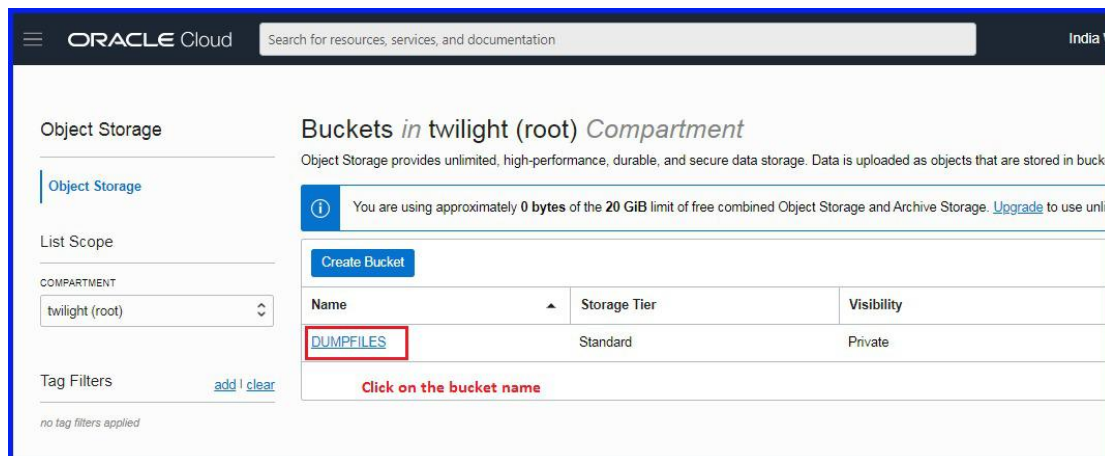
2. Run the below command in sql developer to copy EXPDAT01-12_43_52.DMP to our bucket.

```
BEGIN
DBMS_CLOUD.put_object(
credential_name => 'NEWTEST_CREDENTIALS',
object_uri =>
'https://objectstorage.ap-mumbai-1.oraclecloud.com/n/bmghmnhnbyc8/b/DUMPFILLES/o/EXPDAT01-12_43_52.DMP',
directory_name => 'DATA_PUMP_DIR',
file_name => 'EXPDAT01-12_43_52.DMP');
END;
/
```

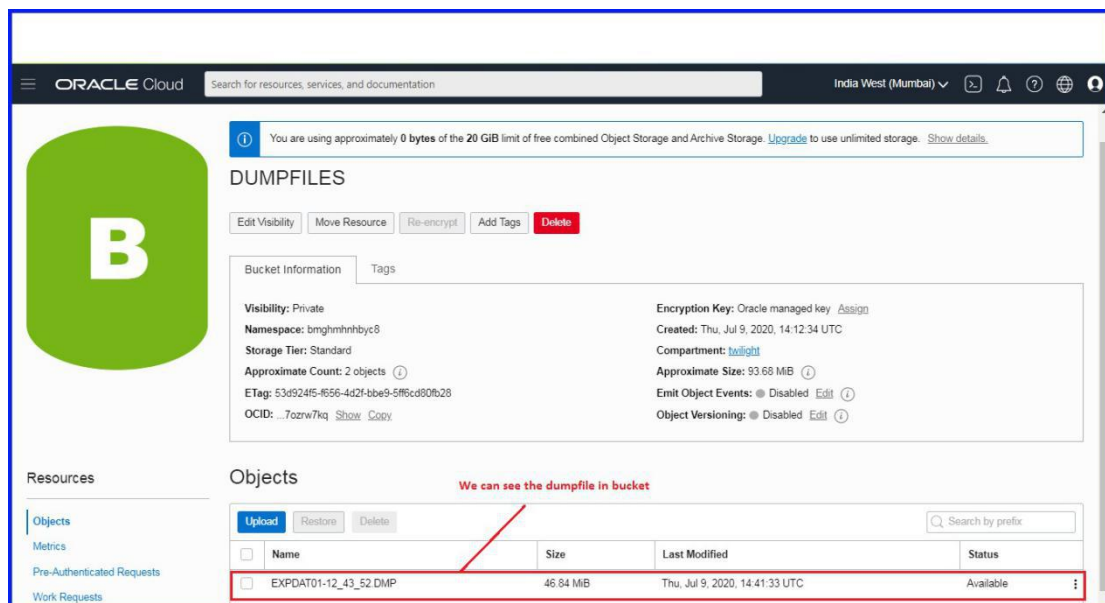



To download the dumpfile.

Navigate to object storage --> Click in bucket name



We can see the dumpfile moved to bucket



Download the dumpfile to local PC.

The screenshot shows the Oracle Cloud console interface. On the left, there's a sidebar with 'Resources' and 'Objects' selected. The main area displays object details for 'EXPDAT01-12_43_52.DMP'. A red arrow points to the 'Download' button in the context menu, which is also labeled 'Click on three dots'.

Visibility: Private
Namespace: bmgmnhnbyc8
Storage Tier: Standard
Approximate Count: 2 objects
ETag: 53d924f5-4656-4d2f-bbe9-5ffcd80fb28
OCID: ...7ozrw7kq

Encryption Key: Oracle managed key
Created: Thu, Jul 9, 2020, 14:12:34 UTC
Compartment: twilight
Approximate Size: 93.68 MiB
Emit Object Events: Disabled
Object Versioning: Disabled

Resources
Objects
Metrics
Pre-Authenticated Requests
Work Requests
Lifecycle Policy Rules
Replication Policy
Retention Rules

Objects
Click download
View Object Details
Download
Copy
Restore
Create Pre-Authenticated Request
Re-encrypt
Rename

Now the dumpfile started to download

The screenshot shows the Oracle Cloud console with a 'Download Object' dialog box open. The dialog displays the object name 'EXPDAT01-12_43_52.DMP' and a progress bar showing 4% completion. A 'Cancel Download' button is visible.

Download Object
Downloading: EXPDAT01-12_43_52.DMP
Complete: 4%
Cancel Download

The screenshot shows the Oracle Cloud console interface. A red box highlights the object name 'EXPDAT01-12_43_52.DMP' in the 'Objects' table. A red text overlay at the bottom right states 'Now the dumpfile got saved in our Local PC'.

Visibility: Private
Namespace: bmgmnhnbyc8
Storage Tier: Standard
Approximate Count: 2 objects
ETag: 53d924f5-4656-4d2f-bbe9-5ffcd80fb28
OCID: ...7ozrw7kq

Encryption Key: Oracle managed key
Created: Thu, Jul 9, 2020, 14:12:34 UTC
Compartment: twilight
Approximate Size: 93.68 MiB
Emit Object Events: Disabled
Object Versioning: Disabled

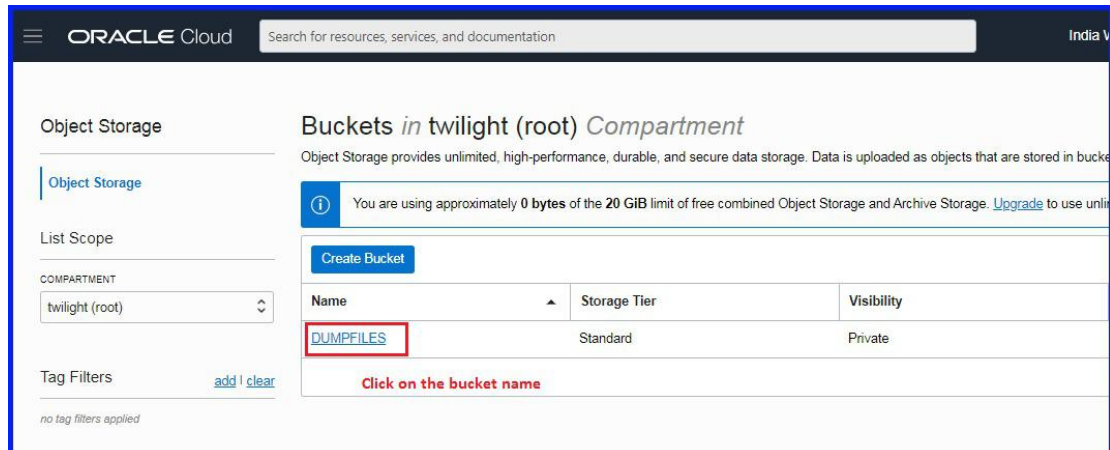
Resources
Objects
Metrics
Pre-Authenticated Requests
Work Requests
Lifecycle Policy Rules
Replication Policy
Retention Rules

Objects
Upload Restore Delete
Name Size Last Modified
EXPDAT01-12_43_52.DMP 46.84 MiB Thu, Jul 9, 2020, 14:41:33 UTC
0 Selected

Now the dumpfile got saved in our Local PC

Uploading a dumpfile from local machine to ADW

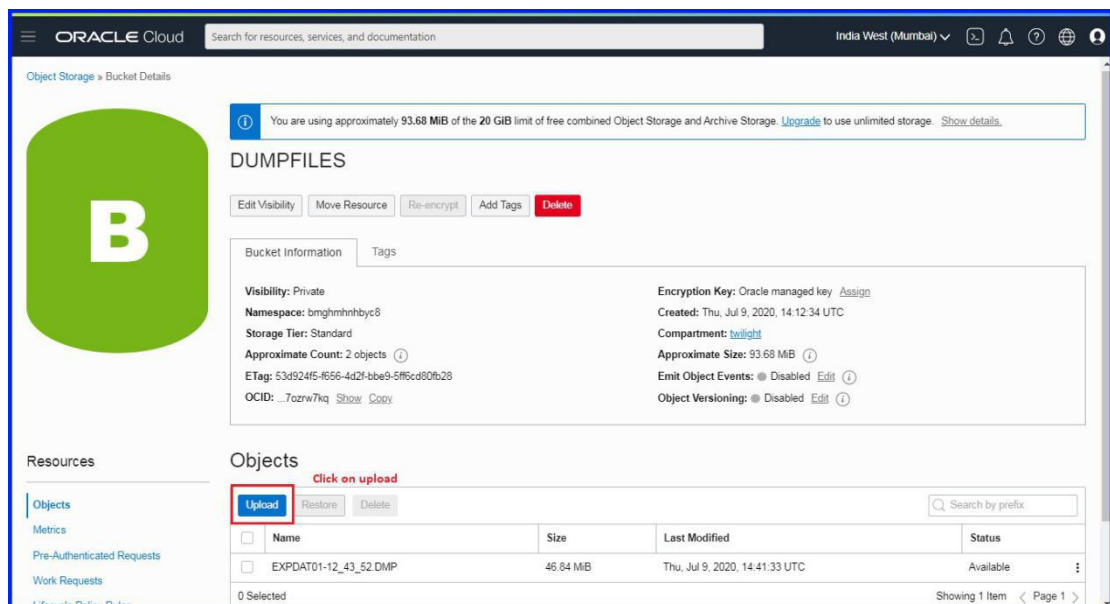
Navigate to object storage --> Click in bucket name



The screenshot shows the Oracle Cloud console interface for Object Storage. The left sidebar contains navigation links for Object Storage, List Scope, COMPARTMENT (set to 'twilight (root)'), and Tag Filters. The main content area is titled 'Buckets in twilight (root) Compartment'. It includes a 'Create Bucket' button and a table listing buckets. The 'DUMPFILES' bucket is highlighted with a red box. Below the table, a red text prompt says 'Click on the bucket name'.

Name	Storage Tier	Visibility
DUMPFILES	Standard	Private

Click upload



The screenshot shows the 'Bucket Details' page for the 'DUMPFILES' bucket. The left sidebar shows navigation links for Objects, Metrics, Pre-Authenticated Requests, and Work Requests. The main content area displays bucket information, including visibility (Private), namespace, storage tier, and approximate count. A red box highlights the 'Upload' button in the 'Objects' section. Below the 'Upload' button, a table lists objects, with one object 'EXPDAT01-12_43_52 DMP' shown.

Name	Size	Last Modified	Status
EXPDAT01-12_43_52 DMP	46.84 MB	Thu, Jul 9, 2020, 14:41:33 UTC	Available

Choose the dumpfile and click upload

The screenshot shows the Oracle Cloud console interface. On the left, there's a sidebar with a green 'B' logo and a list of resources. The main area is titled 'DUMPFILES' and shows details for a bucket named 'bmghmnhhbyc8'. The 'Upload Objects' dialog is open, displaying a file named 'SAMPLE.DMP' (46.84 MiB) with a progress bar. The 'Upload' button is highlighted with a red box. The dialog also includes a 'select files' link and a 'Click upload' button.

This screenshot shows the 'Upload Objects' dialog during the upload process. The file 'SAMPLE.DMP' (46.84 MiB) is being uploaded, and the progress bar indicates 23% completion. The 'Abort' button is visible at the bottom left. The dialog also includes a 'select files' link and a 'Show Optional Response Headers and Metadata' link.

Now we can see the samples.dmp uploaded to bucket

The screenshot shows the Oracle Cloud console for an Object Storage bucket named 'DUMPFILES'. A notification at the top indicates that 93.68 MiB of the 20 GiB free limit is being used. The bucket's visibility is set to Private, and it contains one object, 'SAMPLE.DMP', which is 46.84 MiB in size. The object was uploaded on July 9, 2020, at 15:13:11 UTC. A red banner above the object list states 'Sample.dmp is uploaded to bucket'.

Name	Size	Last Modified	Status
EXPDAT01-12_43_52.DMP	46.84 MiB	Thu, Jul 9, 2020, 14:41:33 UTC	Available
SAMPLE.DMP	46.84 MiB	Thu, Jul 9, 2020, 15:13:11 UTC	Available

Now to copy the Sample.dmp file from bucket to DATA_PUMP_DIRECTORY

Construct uri and run below command in sqldeveloper

```
BEGIN
DBMS_CLOUD.GET_OBJECT(
credential_name => 'NEWTTEST_CREDENTIALS',
object_uri =>
'https://objectstorage.ap-mumbai-1.oraclecloud.com/n/bmghmhnhb8/b/DUMPFILES/o/SAMPLE.DMP',
directory_name => 'DATA_PUMP_DIR');
END;
/
```

The screenshot shows the SQL Developer interface with the command window displaying the successful execution of the PL/SQL procedure. The command window shows the SQL code and the message 'PL/SQL procedure successfully completed.' The task was completed in 5.009 seconds.

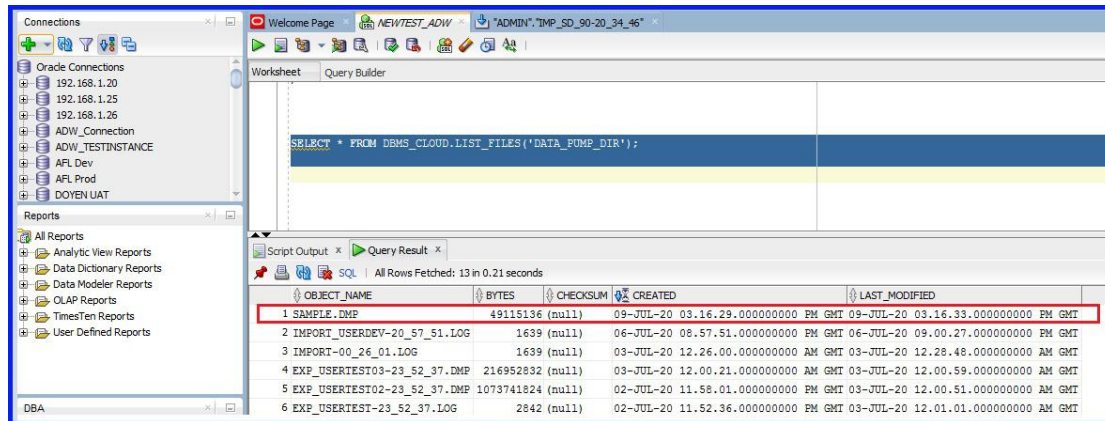
```
BEGIN
DBMS_CLOUD.GET_OBJECT(
credential_name => 'NEWTTEST_CREDENTIALS',
object_uri => 'https://objectstorage.ap-mumbai-1.oraclecloud.com/n/bmghmhnhb8/b/DUMPFILES/o/SAMPLE.DMP',
directory_name => 'DATA_PUMP_DIR');
END;
```

PL/SQL procedure successfully completed.

To check the dumpfile copied to DATA_PUMP_DIRECTORY

```
SELECT * FROM DBMS_CLOUD.LIST_FILES('DATA_PUMP_DIR');
```

We can see the dumpfile copied to directory



The screenshot shows the Oracle SQL Developer interface. The 'Connections' pane on the left lists several database connections. The 'Query Builder' pane in the center contains the SQL query: `SELECT * FROM DBMS_CLOUD.LIST_FILES('DATA_PUMP_DIR');`. The 'Query Result' pane at the bottom displays the results of the query, which are 13 rows. The first row is highlighted with a red border. The columns are: OBJECT_NAME, BYTES, CHECKSUM, CREATED, and LAST_MODIFIED.

OBJECT_NAME	BYTES	CHECKSUM	CREATED	LAST_MODIFIED
1 SAMPLE.DMP	49115136 (null)		09-JUL-20 03.16.29.000000000 PM GMT	09-JUL-20 03.16.33.000000000 PM GMT
2 IMPORT_USERDEV-20_57_51.LOG	1639 (null)		06-JUL-20 08.57.51.000000000 PM GMT	06-JUL-20 09.00.27.000000000 PM GMT
3 IMPORT-00_26_01.LOG	1639 (null)		03-JUL-20 12.26.00.000000000 AM GMT	03-JUL-20 12.28.48.000000000 AM GMT
4 EXP_USERTEST03-23_52_37.DMP	216952832 (null)		03-JUL-20 12.00.21.000000000 AM GMT	03-JUL-20 12.00.59.000000000 AM GMT
5 EXP_USERTEST02-23_52_37.DMP	1073741824 (null)		02-JUL-20 11.58.01.000000000 PM GMT	03-JUL-20 12.00.51.000000000 AM GMT
6 EXP_USERTEST-23_52_37.LOG	2842 (null)		02-JUL-20 11.52.36.000000000 PM GMT	03-JUL-20 12.01.01.000000000 AM GMT