

# Create 1). Databricks workspace 2). ADLS Gen2 3). Access Connector for Azure Databricks Goto ADLS Gen2 (uc-metastore)- IAM - Add New Role Assignment - Search for (Storage Blob

## Creating Unity Catalog Metastore

- 1. Access <a href="https://accounts.azuredatabricks.net/">https://accounts.azuredatabricks.net/</a>
- 2. Click Catalog Create Metastore
- 3. Provide Name, Region, ADLS gen2 path, access connector Id.
- 4. I will assign workspace later so Skip
- 5. Goto Catalog Workspaces assign workspace select workspace assing

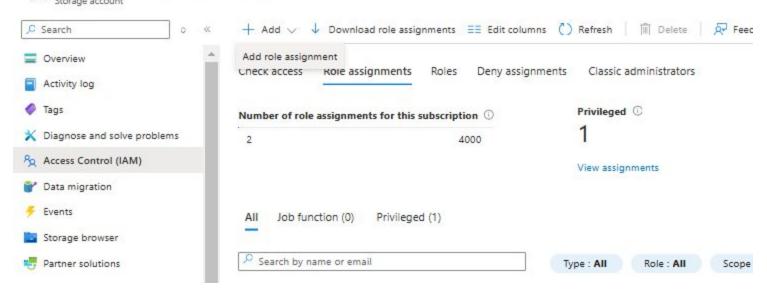
Managed tables: Creating catalog (uc\_demo\_catalog) and schema (uc\_demo\_schema)

Data Contributor) - Next - select member (demo-uc-access-connector)- select

## External tables:

- 1. Create ADLS gen2 create container (uc-ext-loc) and upload files
- 2. Goto ADLS gen2 container (uc-ext-loc) IAM Add New Role Assignment Search for (Storage Blob Data Contributor) Next select member (demo-uc-access-connector)- select
- 3. Goto databricks Create credentials
- ٥. 4.

## gpottabadls | Access Control (IAM) \* ...



## Add role assignment

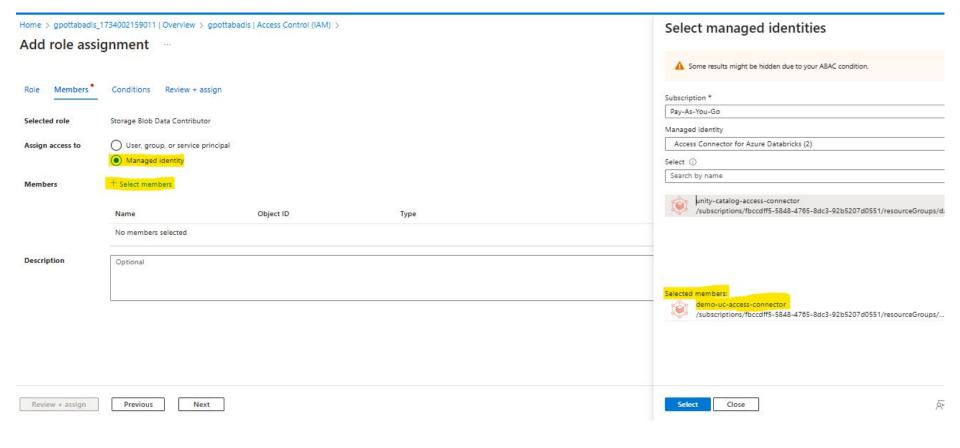


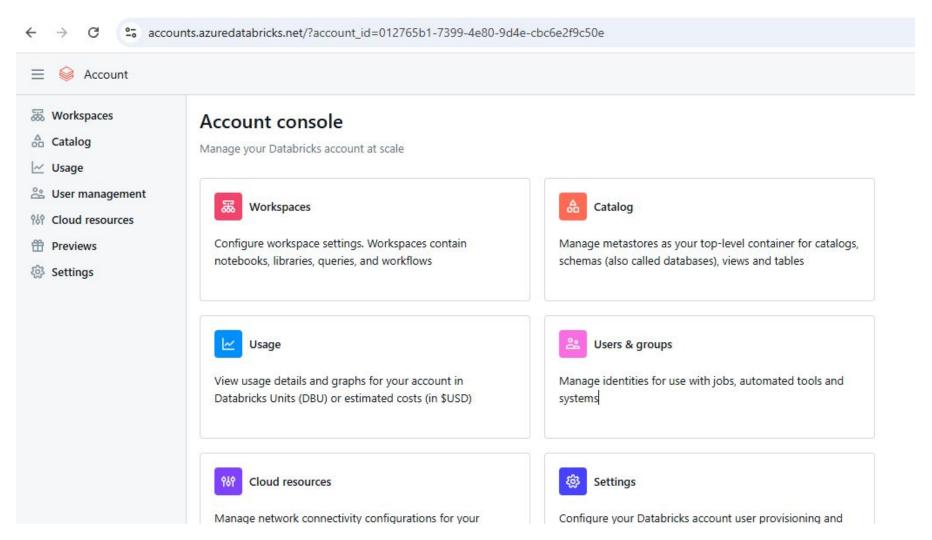
A role definition is a collection of permissions. You can use the built-in roles or you can create your own custom roles, Learn more 🖰

Grant access to Azure resources based on job function, such as the ability to create virtual machines.

storage blob	× Type : All Category : All			
Name 🖴	Description ↑↓			
Defender CSPM Storage Data Scanner	Grants access to read blobs and files. This role is used by the data scanner of Dfender CSPM.			
Defender for Storage Data Scanner	Grants access to read blobs and update index tags. This role is used by the data scanner of Defender for Storage.			
Storage Blob Data Contributor	Allows for read, write and delete access to Azure Storage blob containers and data			
Storage Blob Data Owner	Allows for full access to Azure Storage blob containers and data, including assigning POSIX access control.			
Storage Blob Data Reader	Allows for read access to Azure Storage blob containers and data			
Storage Blob Delegator	Allows for generation of a user delegation key which can be used to sign SAS tokens			

Showing 1 - 6 of 6 results.



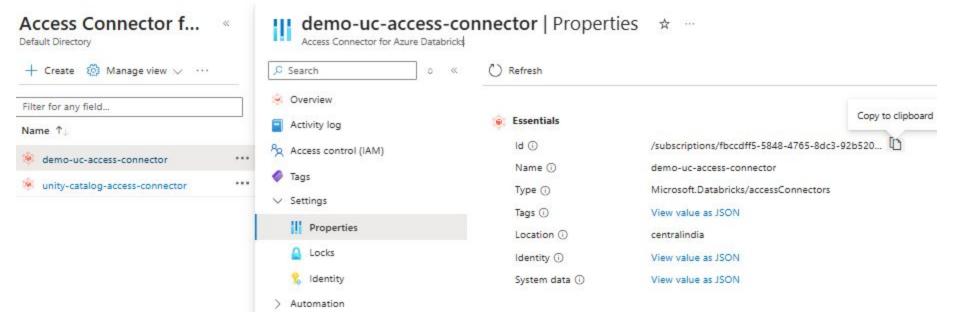


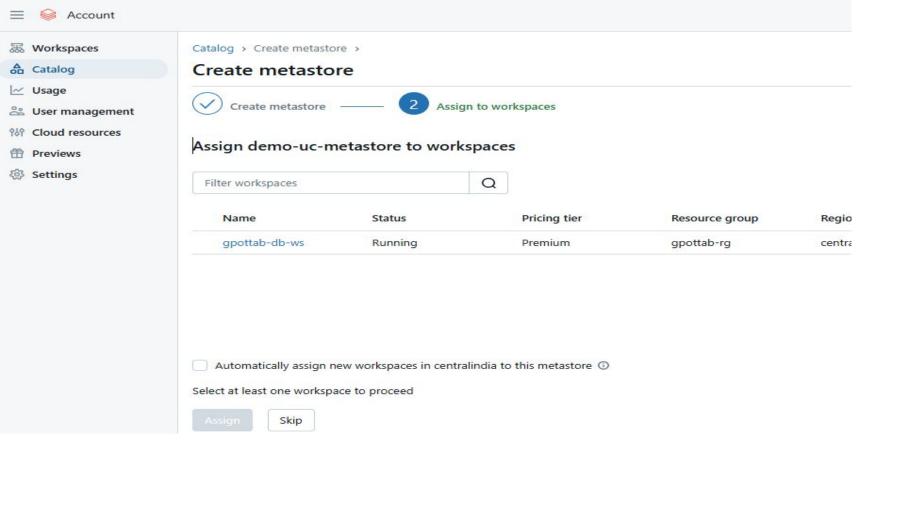
## **Creating Metastore**

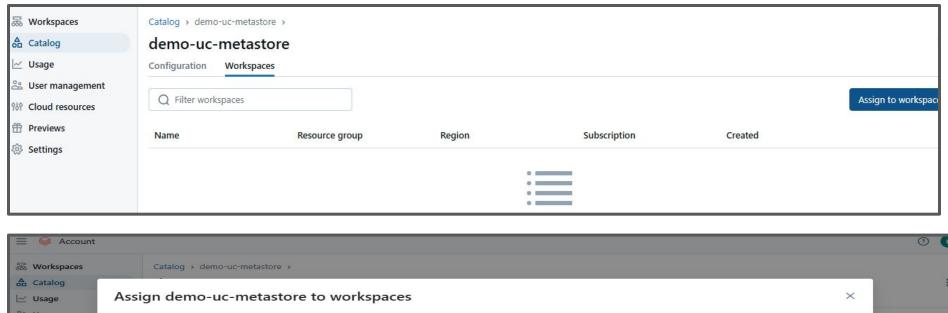


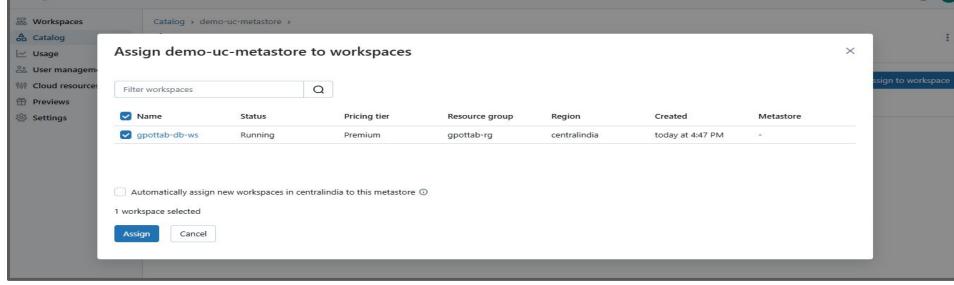
Get the Access connector Id from azure access connector demo-uc-access-c onnector properties- id

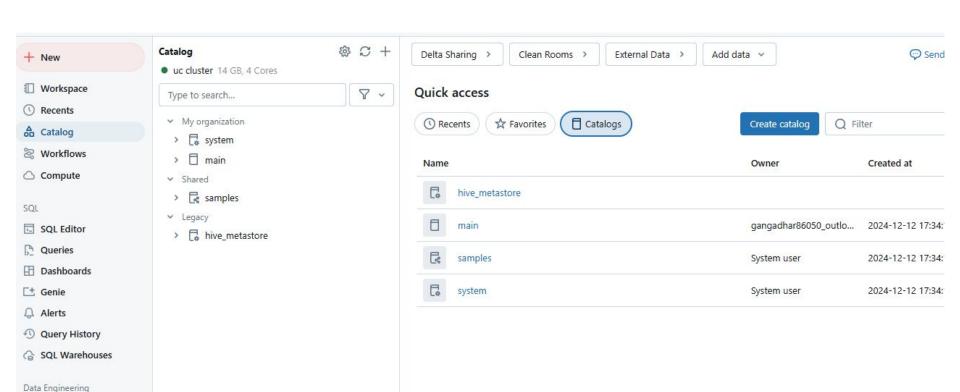


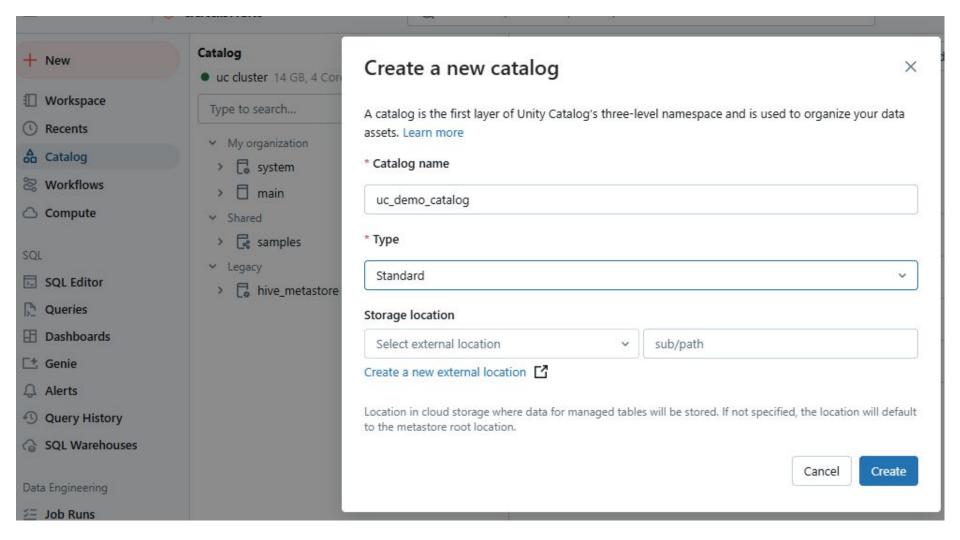


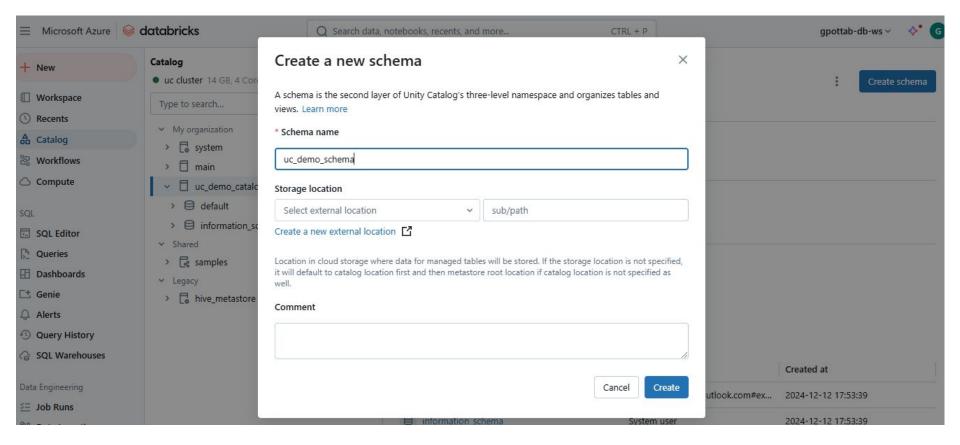


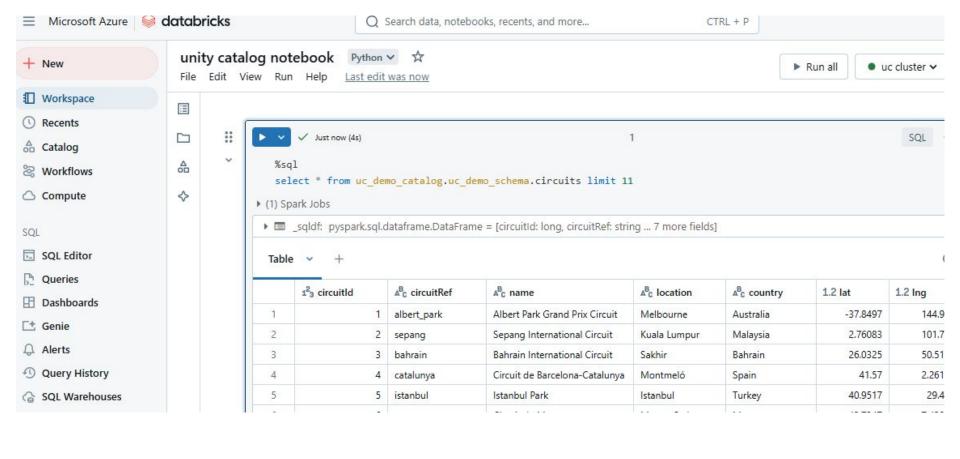


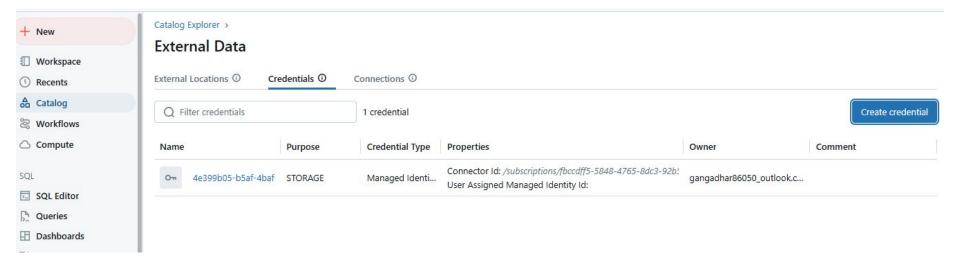


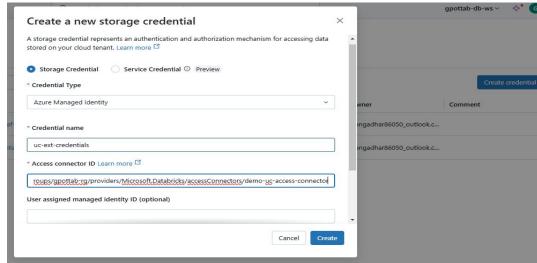


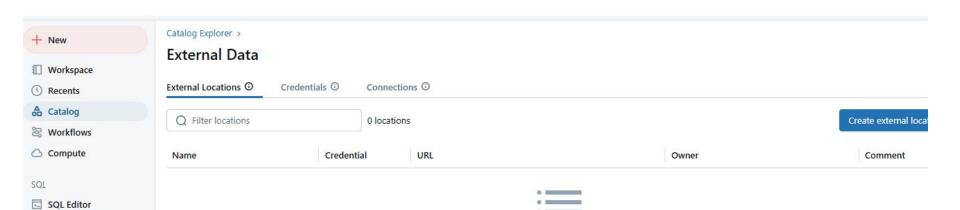






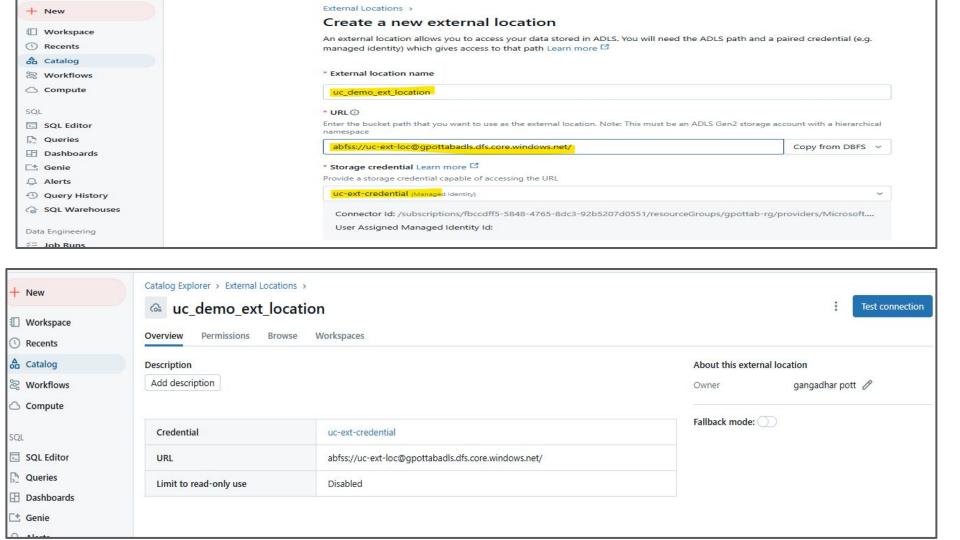






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#### https://learn.microsoft.com/en-us/azure/databricks/connect/unity-catalog/#--create-an-external-location

Create External locations

CREATE EXTERNAL LOCATION databricks\_bronze

URL 'abfss://bronze@gpottabadls.dfs.core.windows.net'

WITH (STORAGE CREDENTIAL `uc-ext-credential`);

managed location 'abfss://bronze@gpottabadls.dfs.core.windows.net/bronze'

CREATE CATALOG IF NOT EXISTS demo\_dev

%sql

%sql

Use Catalog demo\_dev

**Create Catalog** 

Create Schema create schema if not exists bronze

```
driverId INT,
    driverRef string,
    number string,
    code string,
    name struct<forename:string, surname : string>,
    dob date,
    nationality string,
    url string
)
using json
options (path 'abfss://bronze@gpottabadls.dfs.core.windows.net/drivers.json)'
```

drop table if exists demo dev.bronze.drivers;

CREATE TABLE IF NOT EXISTS demo dev.bronze.drivers (

%sql