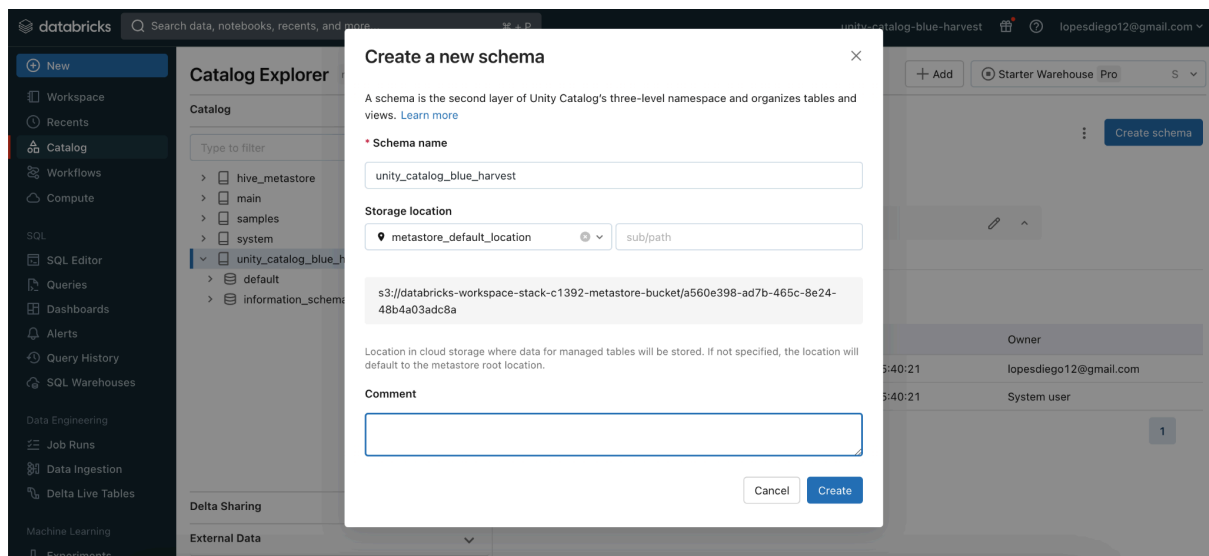


In the navigation bar on the left you will see a section titled “Catalog”. This is where we will explore and manage catalogs, schemas (databases), tables, and permissions. Catalog is the main UI for the [Unity Catalog object model](#). Here, you can view schema details, preview sample data, and see table details and their lineage.

## 1 - Creating a Catalog

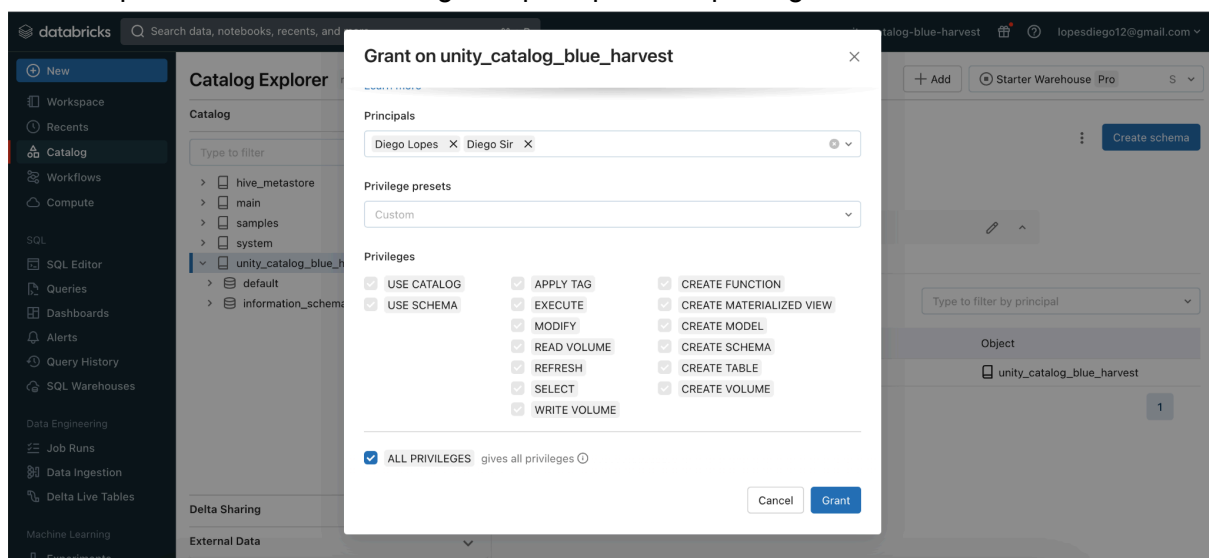
A catalog is the first layer of the Unity Catalog hierarchy and is used to organize your schemas and subsequently your tables and/or views.



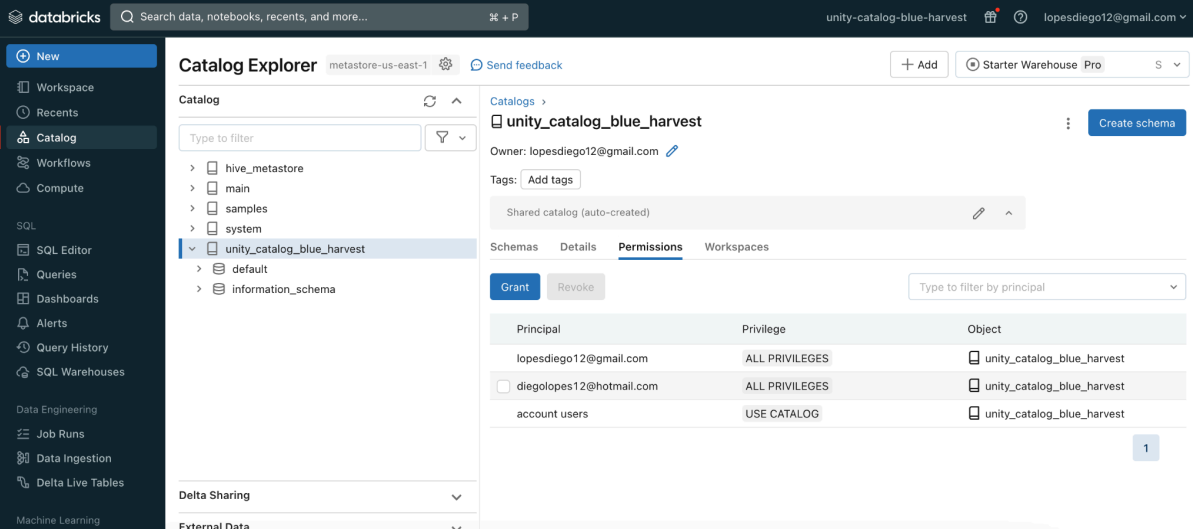
You can [create a catalog](#) through the Catalog Explorer UI or a SQL command.

To create a catalog via the Catalog Explorer, click the “Create catalog” button in the upper right corner.

## 2- Grant permission on the catalog with principals and privileges.



### 3 - Permissions



The screenshot shows the Databricks Catalog Explorer interface. The left sidebar contains navigation options like Workspace, Recents, Catalog, Workflows, Compute, SQL, SQL Editor, Queries, Dashboards, Alerts, Query History, SQL Warehouses, Data Engineering, Job Runs, Data Ingestion, Delta Live Tables, Machine Learning, and Experiments. The main panel displays the 'Catalog Explorer' for 'metastore-us-east-1'. The 'Catalog' list on the left includes 'hive\_metastore', 'main', 'samples', 'system', and 'unity\_catalog\_blue\_harvest'. The 'unity\_catalog\_blue\_harvest' catalog is selected, and its 'Permissions' tab is active. The 'Permissions' tab shows a table of permissions for the catalog. The table has three columns: Principal, Privilege, and Object. The permissions are as follows:

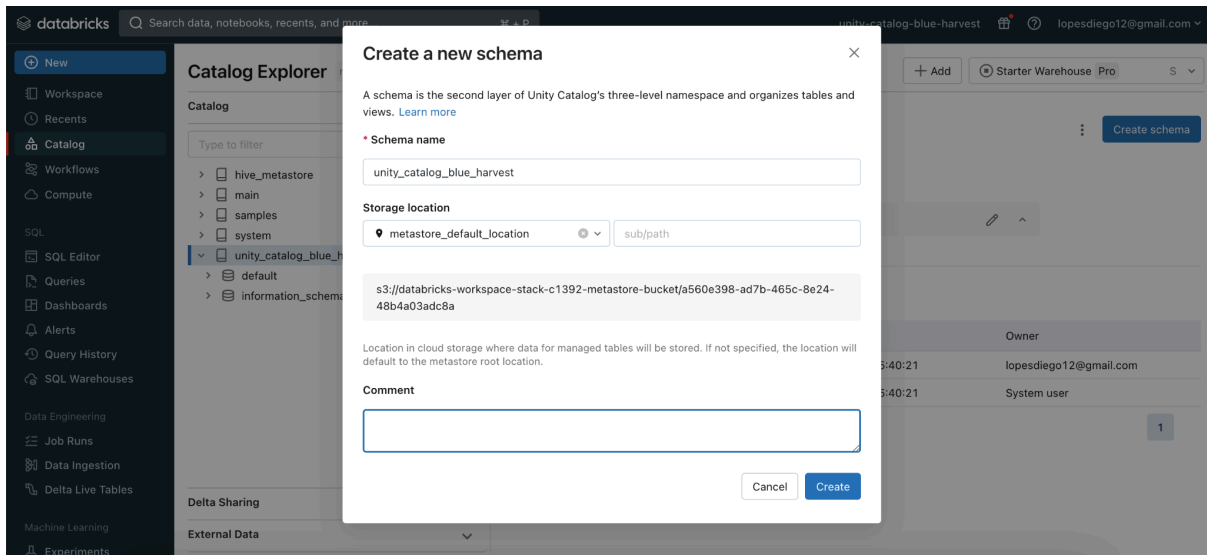
Principal	Privilege	Object
lopesdiego12@gmail.com	ALL PRIVILEGES	unity_catalog_blue_harvest
<input type="checkbox"/> diegolopes12@hotmail.com	ALL PRIVILEGES	unity_catalog_blue_harvest
account users	USE CATALOG	unity_catalog_blue_harvest

The 'Permissions' tab also includes a 'Grant' button, a 'Revoke' button, and a 'Type to filter by principal' dropdown. The 'Create schema' button is visible in the top right corner of the catalog details panel.

### 4 - Create new schema

## Creating a Schema

Now let's create a schema. A schema is the second layer of the object hierarchy and contains tables and views. Navigate to your newly created catalog and in the upper right corner, click the "Create schema" button. I am using AWS cloud with S3 object storage



5 - Table created - look at popularity field, AI Suggested comments( check notebook attached)

**Catalog Explorer** metastore-us-east-1

Catalogs > unity\_catalog\_blue\_harvest

**unity\_catalog\_blue\_harvest** This table has been queried at least 1 time in the last 30 days

Owner: lopesdiego12@gmail.com Popularity: 1 Last Updated: Unknown

Tags:

**AI Suggested Comment** Preview

The 'products\_bronze' table contains detailed information about the various products available in our catalog. It includes data such as the product's name, category, sales price, EAN13 and EAN5 barcodes, and unit of measure. This table can be useful for understanding our product lineup, analyzing sales trends based on product categories or individual products, and for inventory management purposes.

**Columns** Sample Data Details Permissions History Lineage Insights

Column	Type	Comment	Tags
product_id	string		
product_category	string		
product_name	string		
sales_price	string		
EAN13	string		
EAN5	string		