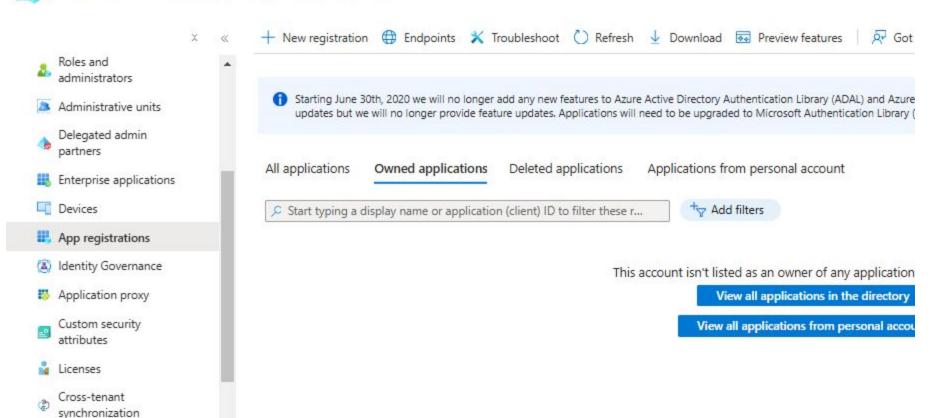
Databriks Mount with DataLake Storage

- Create Databricks (Create Cluster), ADLS Gen2 (Create container and upload files), KeyValut
- Goto Microsoft Entra ID
 - App Registration New Registration Name (demo-app2-reg)
 - Note Client ID, Tenant ID
 - Goto (demo-app2-reg) app Certificates & secrets New client secret Description (demo app secret) - Add - Copy secret (Value) in notepad
- Here we got Client ID, Tenant ID, Client Secret 3.
- Goto ADLS Gen2 IAM Add New Role Assignment Search for (Storage Blob Data Contributor) Next - select member - select
- 5. Goto Key Valut -
 - Generate/Import Add 1). Client ID, 2). Tenant ID, 3). Client Secret
 - Properties Vault URI, Resource ID (Copy or need it later for Databricks scope creation).
- 6. Goto Databricks
 - Home page in URL like type (#secrets/createScope) at the end.

 - Name of the scope (new-app-scope) -DNS name (Vault URI from KeyVault Properties)
 - Resource ID (Resource ID from KeyVault Properties)
 - Create new notebook
 - Goto: https://learn.microsoft.com/en-us/azure/databricks/dbfs/mounts
 - Copy python spark.conf mount snippet and paste in notebook or use slide19 snippet
 - Replace client_id,client_secret,tenant_id, container, storage-account and run

Home > Default Directory

Default Directory | App registrations 🛷 --



Home > Default Directory App registrations	Home	>	Default	Directory	App	registrations
----------------------------------------------	------	---	---------	-----------	-----	---------------

Register an application

* Name

The user-facing display name for this application (this can be changed later).

demo-app2-regi

Supported account types

Who can use this application or access this API?

- Accounts in this organizational directory only (Default Directory only Single tenant)
- Accounts in any organizational directory (Any Microsoft Entra ID tenant Multitenant)
- Accounts in any organizational directory (Any Microsoft Entra ID tenant Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)
- Personal Microsoft accounts only

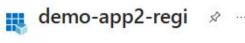
Help me choose...

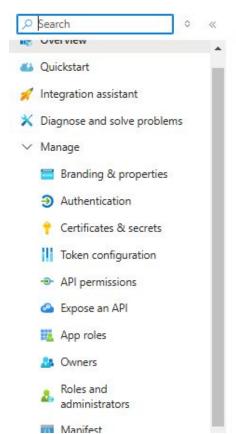
Redirect URL (optional)

By proceeding, you agree to the Microsoft Platform Policies 🗗

Register

Home > Default Directory | App registrations >





- f) Got a second? We would love your feedback on Microsoft identity platform (previously Azure AD

^ Essentials

Display name : demo-app2-regi

Application (client) ID : 778c24b5-02bf-4d48-9b1c-2a7ad38cfb21

Object ID : f058372a-f623-42ca-9b29-8f52afdaef0b

Directory (tenant) ID : 37d6e0c7-977e-4f82-810c-61f1055ef41c

Supported account types: My organization only

- Welcome to the new and improved App registrations. Looking to learn how it's changed from
- Starting June 30th, 2020 we will no longer add any new features to Azure Active Directory Au security updates but we will no longer provide feature updates. Applications will need to be ι

Get Started Documentation

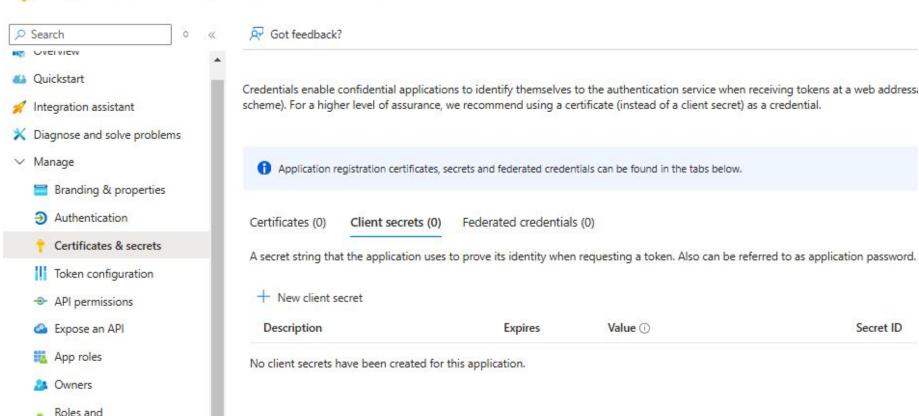
Home > Default Directory | App registrations > demo-app2-regi

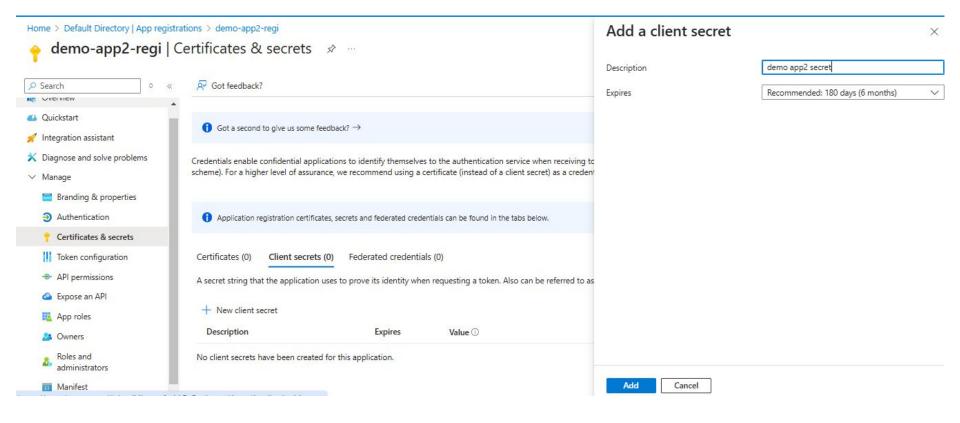


administrators

demo-app2-regi | Certificates & secrets 🔅 …





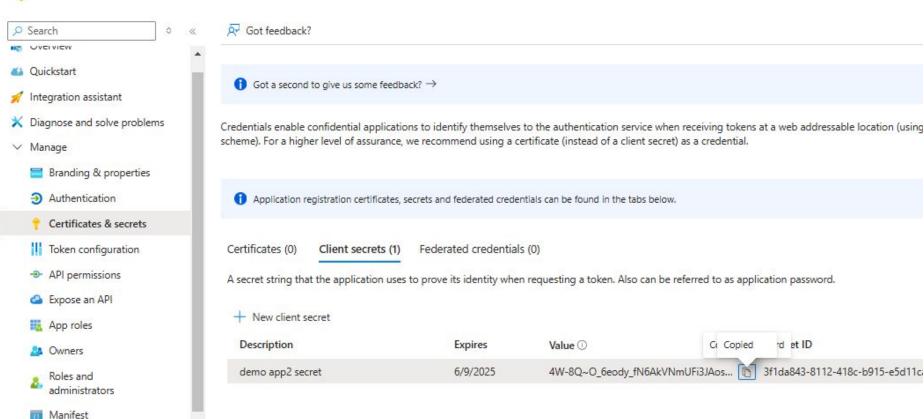


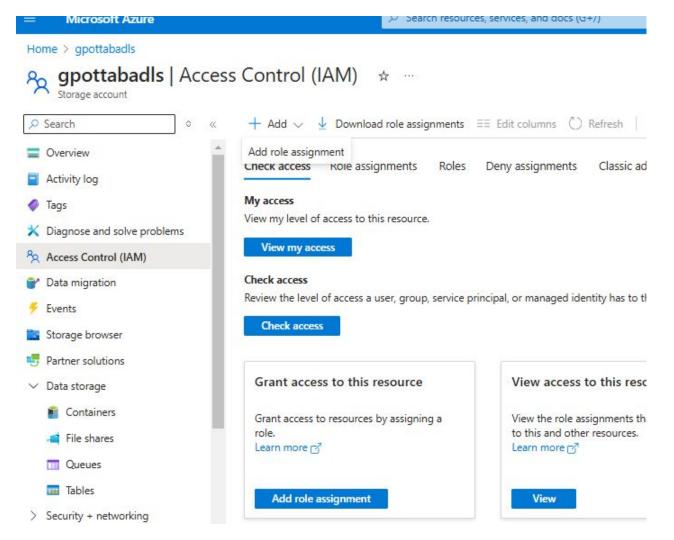
Home > Default Directory | App registrations > demo-app2-regi



demo-app2-regi | Certificates & secrets 📝 …







Home > gpottabadls | Access Control (IAM) >

Add role assignment

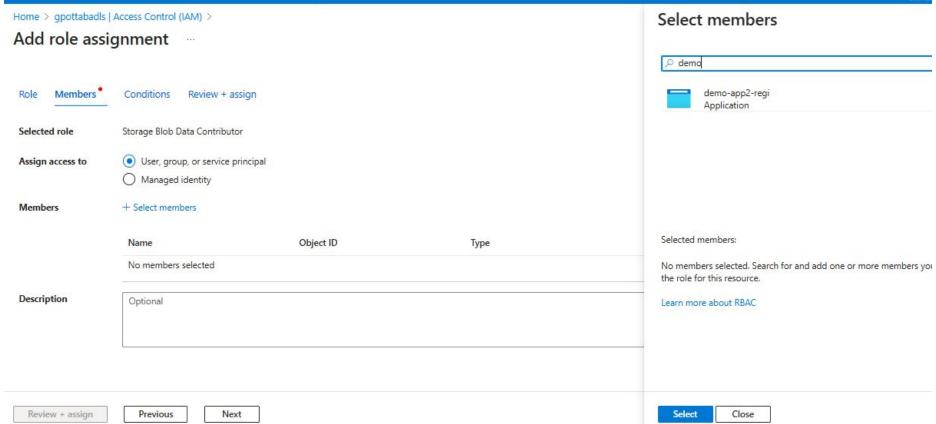
Role Members Conditions Review + assign

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 🗗

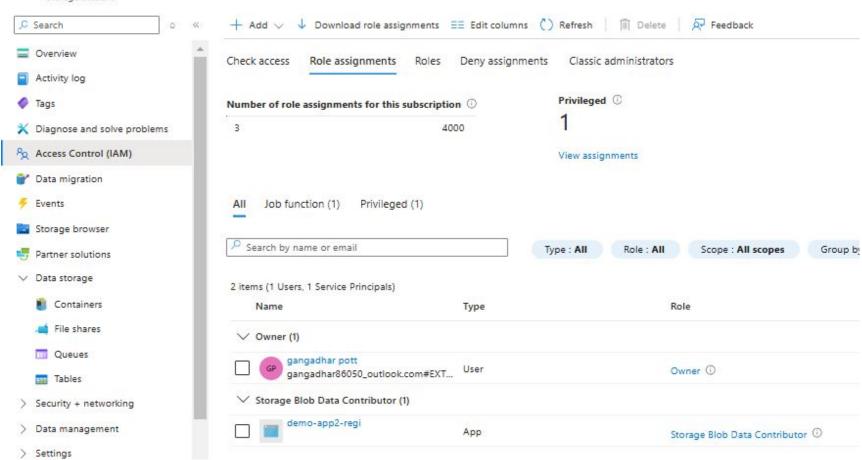
Job function roles Privileged administrator roles

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 Del			
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 acc			
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			



gpottabadls | Access Control (IAM) 🖈 ...



Home > gpottab-kv4 gpottab-kv4 | Secrets ☆ … Key vault + Generate/Import () Refresh ↑ Restore Backup ♦ View sample code 🎤 Manage deleted secrets C Search 0 « Overview Name Type Activity log There are no secrets available. Access control (IAM) Tags X Diagnose and solve problems E Access policies Events ∨ Objects 📍 Keys Secrets Certificates Settings Monitoring

Automation

Help



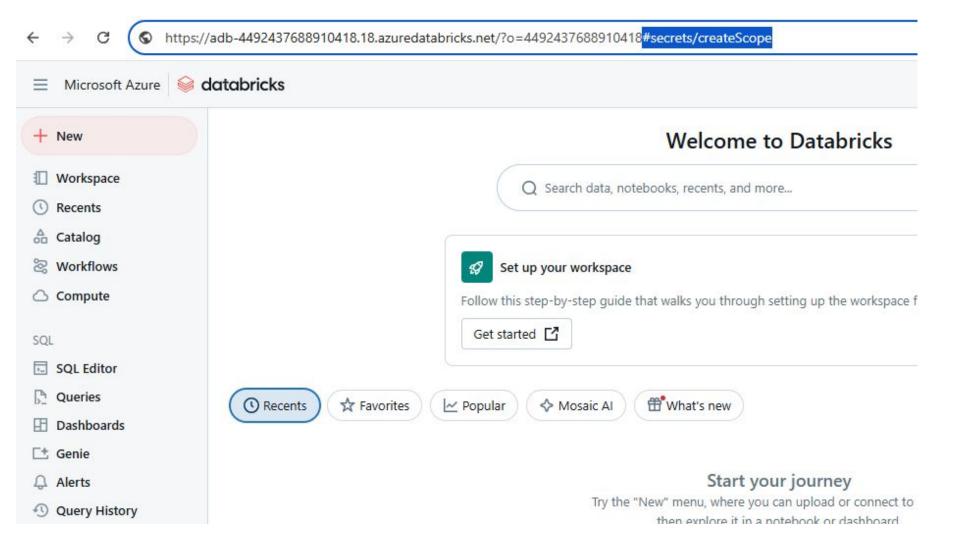
Name * ① Client-id Secret value * ① Content type (optional) Set activation date ① Set expiration date ① Enabled Tags Manual Client-id Client-id Content type (optional) Set activation date ① Content type (optional) Set activation date ① Content type (optional) Content type (optional) Set activation date ① Content type (optional) Content type (optional) Set activation date ① Content type (optional) Content type (optional) Set activation date ① Content type (optional) Content type (optional) Set activation date ① Content type (optional) Content type (optional) Content type (optional) Set activation date ① Content type (optional) Content type (optional)		
Secret value * ① Content type (optional) Set activation date ① Set expiration date ① Enabled Yes No	Upload options	Manual
Content type (optional) Set activation date ① Set expiration date ① Enabled Yes No	Name * ①	client-id
Content type (optional) Set activation date ① Set expiration date ① Enabled Yes No	Secret value * ③	
Set activation date ① Set expiration date ① Enabled Yes No		
Set expiration date ① Enabled Yes No	Content type (optional)	
Enabled Yes No	Set activation date ①	
	Set expiration date (i)	
Tags 0 tags	Enabled	Yes No
	Tags	0 tags

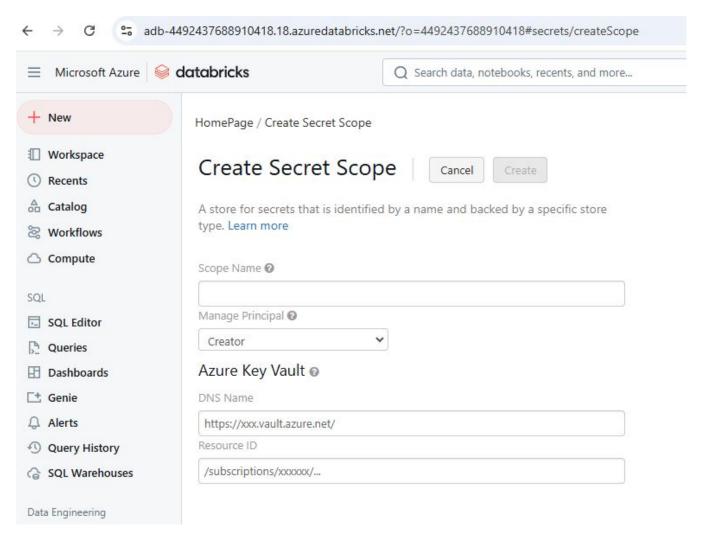
Create a secret

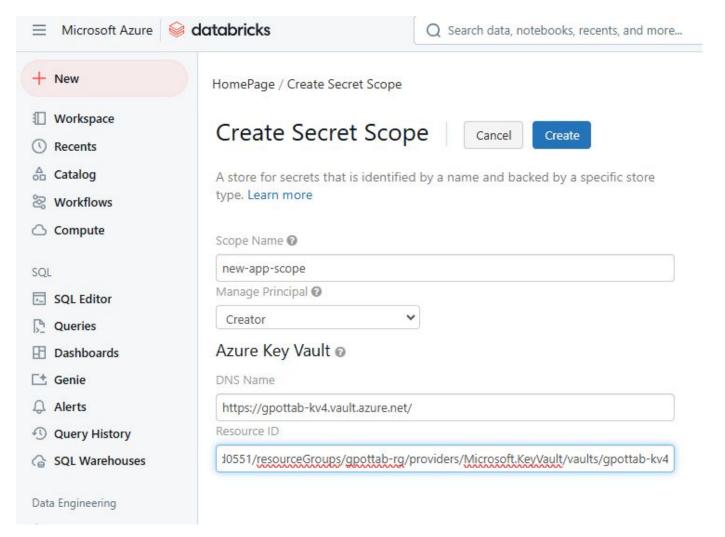
Upload options	Manual
Name * ①	tenant-id
Secret value * ①	,
Content type (optional)	
Set activation date ①	
Set expiration date ①	
Enabled	Yes No
Tags	0 tags



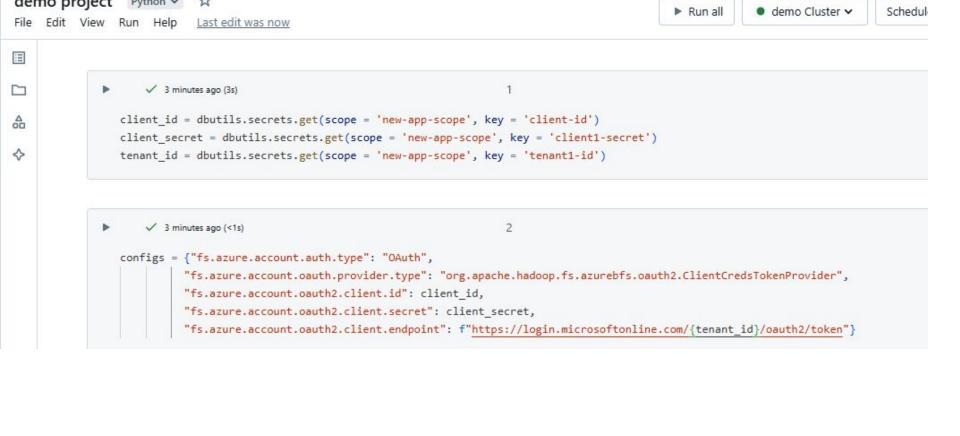
Upload options	Manual
Name * ①	client-secret
Secret value * ①	
Content type (optional)	
Set activation date ①	
Set expiration date ①	
Enabled	Yes No
Tags	0 tags



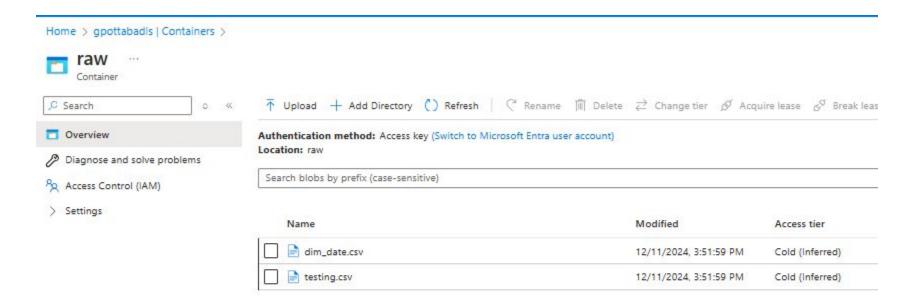




```
configs = {"fs.azure.account.auth.type": "OAuth",
          "fs.azure.account.oauth.provider.type":
"org.apache.hadoop.fs.azurebfs.oauth2.ClientCredsTokenProvider" ,
          "fs.azure.account.oauth2.client.id": "<application-id>",
          "fs.azure.account.oauth2.client.secret":
dbutils.secrets.get(scope="<scope-name>", key="<service-credential-key-name>"),
          "fs.azure.account.oauth2.client.endpoint":
"https://login.microsoftonline.com/<directory-id>/oauth2/token" }
# Optionally, you can add <directory-name> to the source URI of your mount point.
dbutils.fs.mount(
  source =
"abfss://<container-name>@<storage-account-name>.dfs.core.windows.net/" ,
 mount point = "/mnt/<mount-name>",
  extra configs = configs)
```



Below files can be mount to the databricks.



```
√ 1 minute ago (12s)

                                                                          3
    dbutils.fs.mount(
      source = "abfss://raw@gpottabadls.dfs.core.windows.net/",
      mount_point = "/mnt/new_app/raw",
      extra_configs = configs)
True
        ✓ Just now (1s)
   display(dbutils.fs.ls('dbfs:/mnt/new_app/raw'))
(2) Spark Jobs
  Table v
                                                            123 size
         AB<sub>C</sub> path
                                                                            123 modificationTime
                                            AB<sub>C</sub> name
         dbfs:/mnt/new_app/raw/dim_date.c...
                                            dim_date.csv
                                                                   75435
                                                                                       1733912519000
         dbfs:/mnt/new_app/raw/testing.csv
                                            testing.csv
                                                                   85887
                                                                                       1733912519000
```