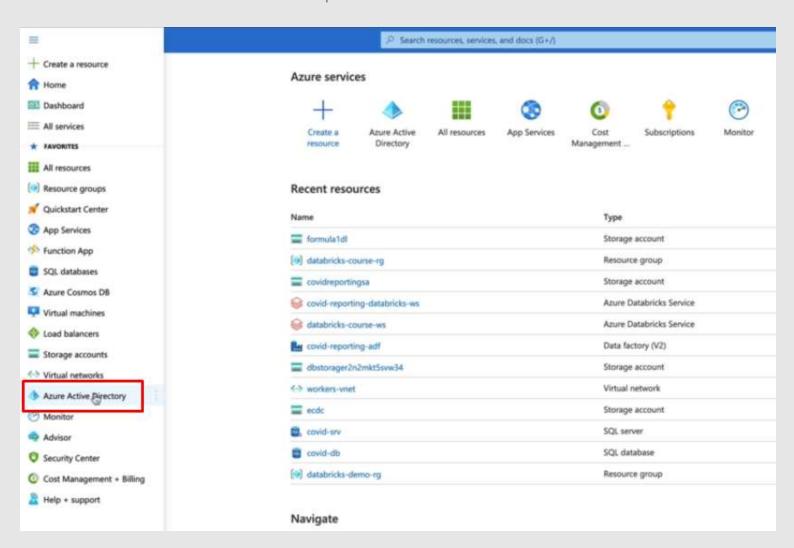
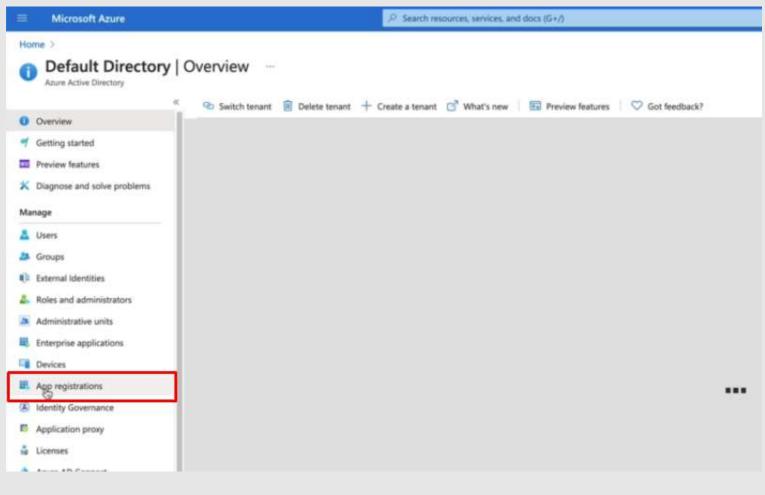
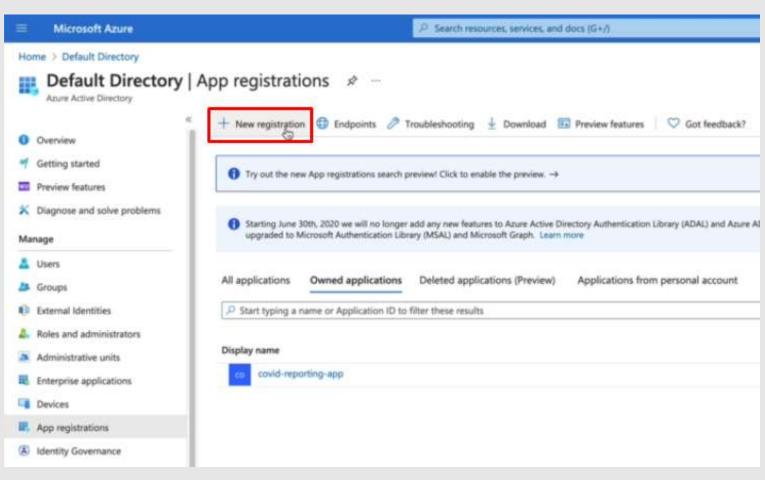
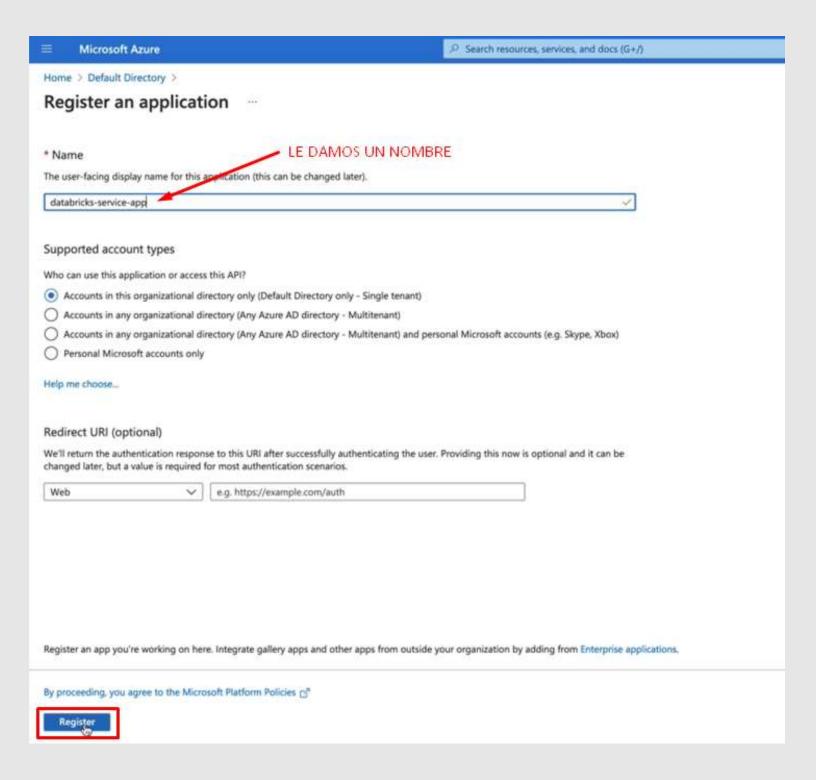
Azure Databricks Integracion con ADLS Usar Active Directory - Utilizar Service Principal / Databricks Scoped Secret

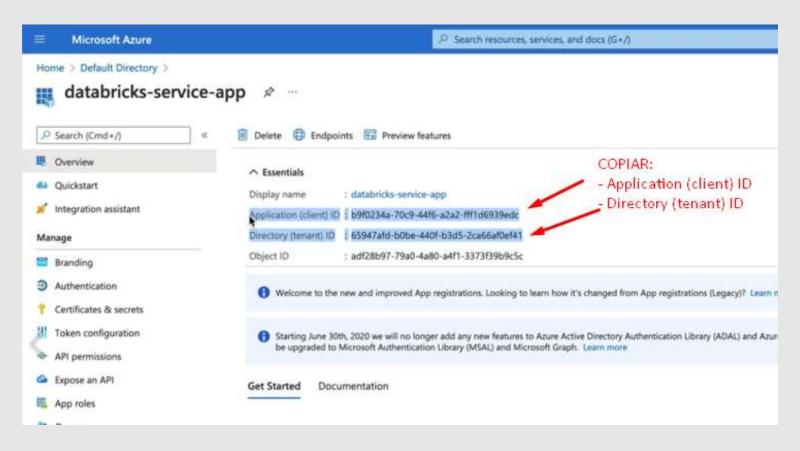
Creando un Azure Service Principal

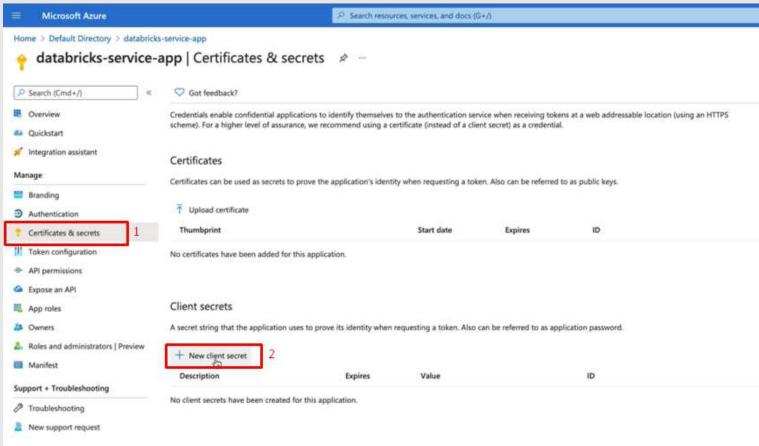


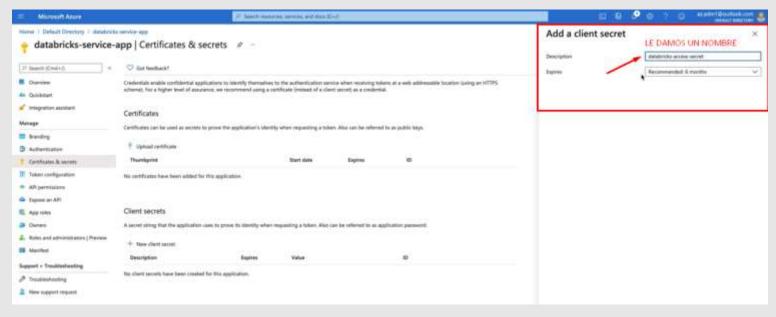


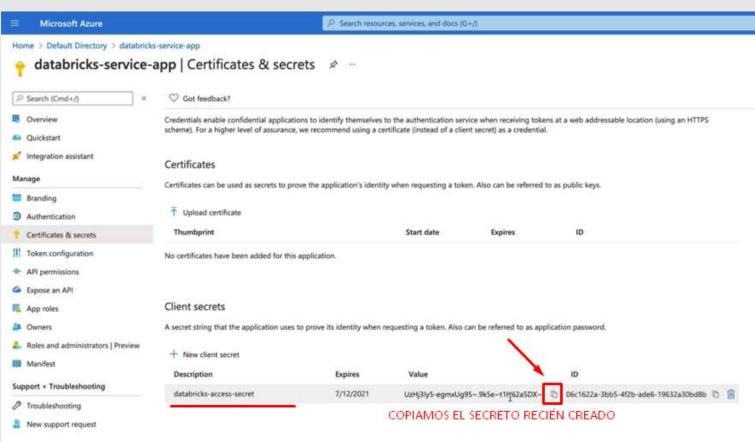


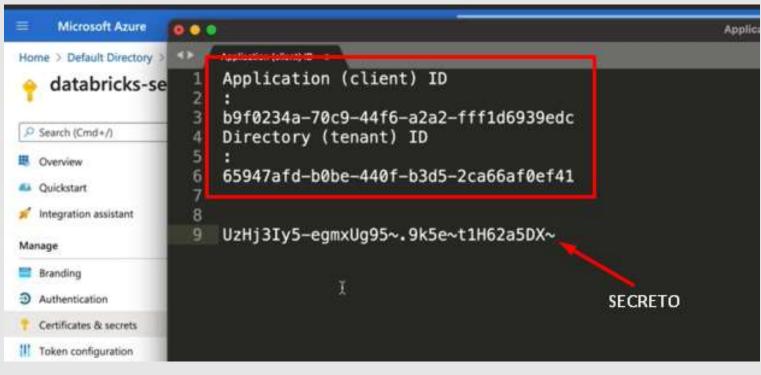


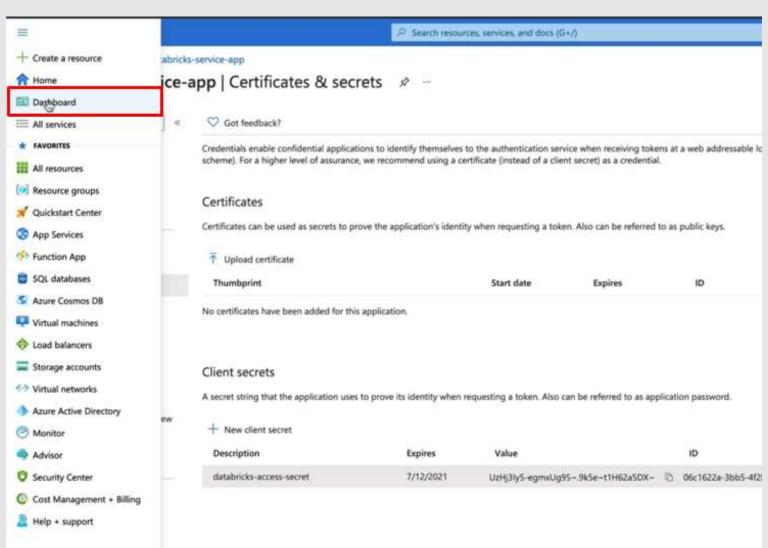


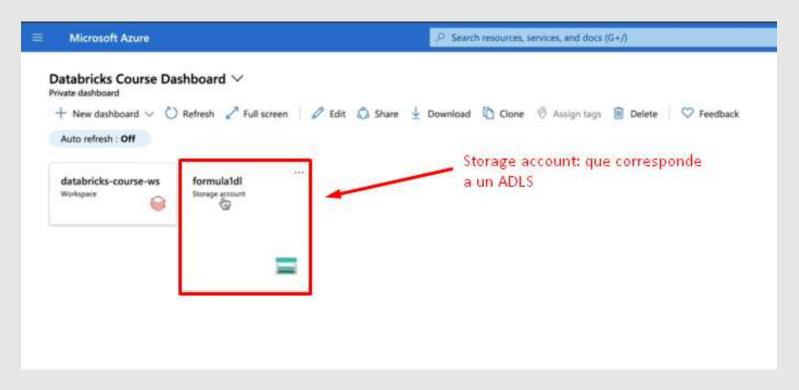


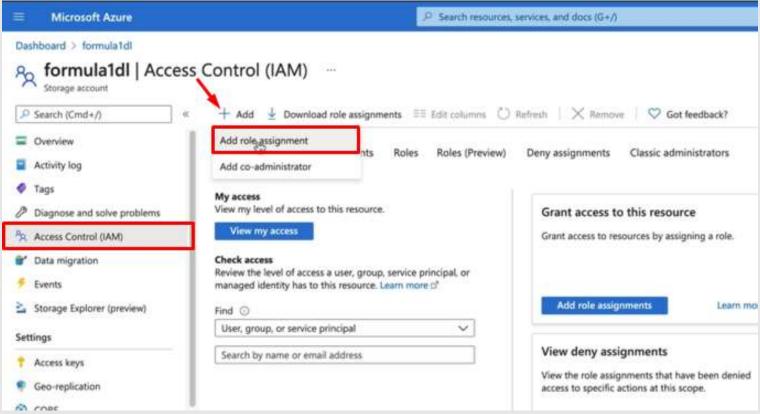


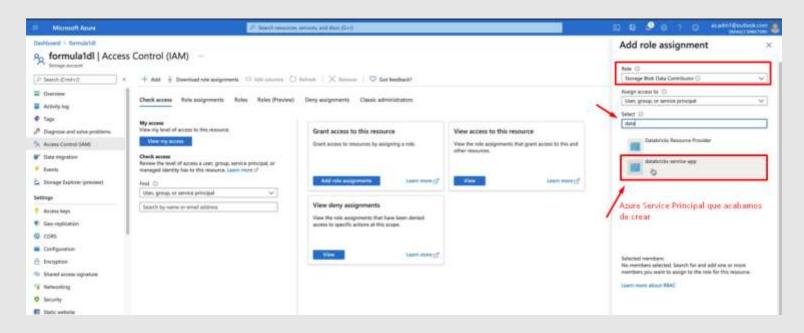


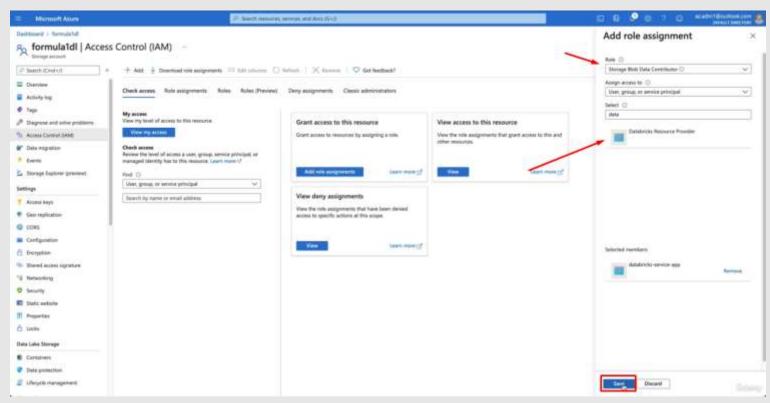






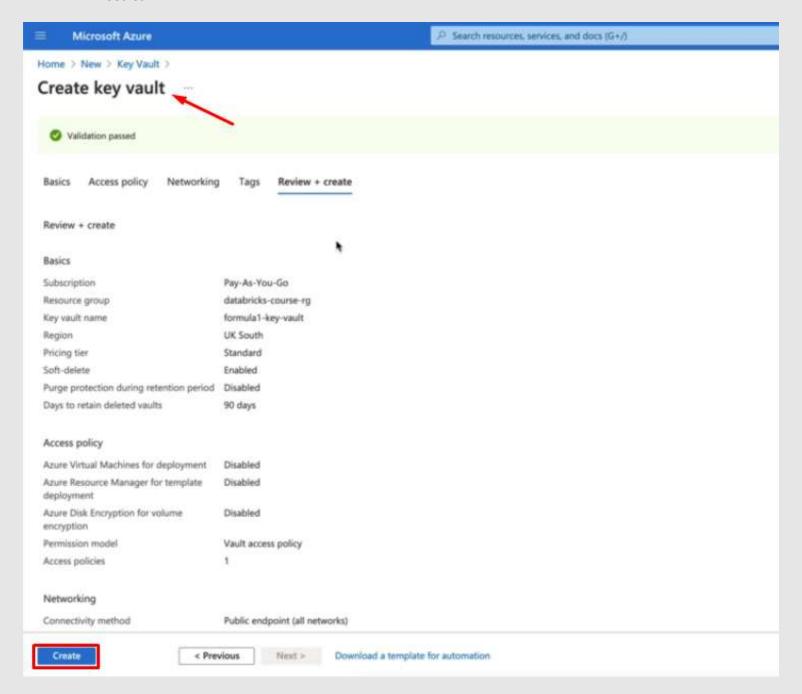




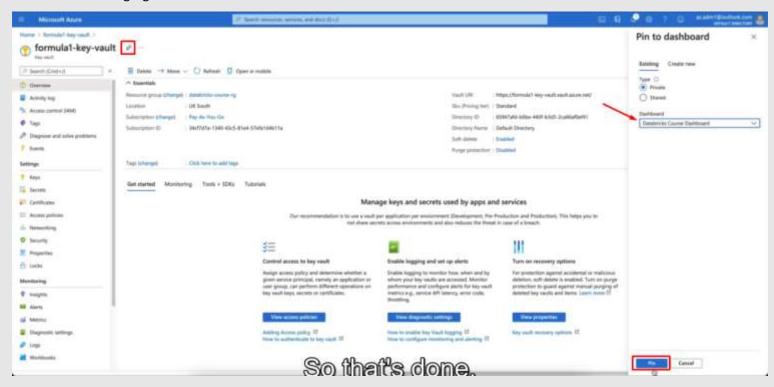


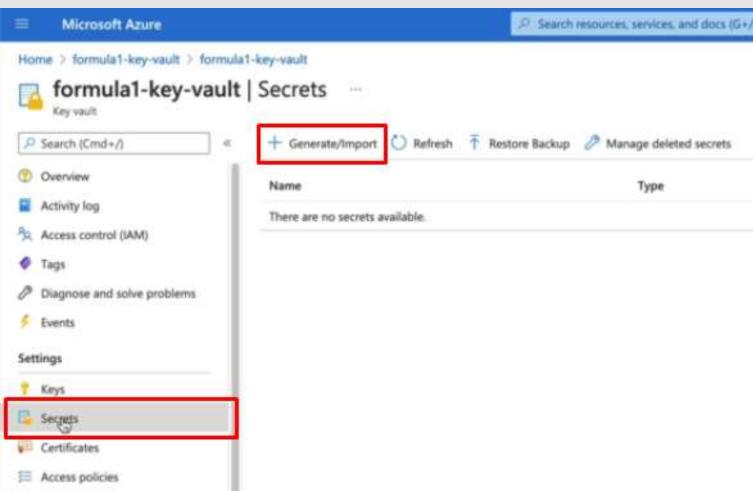
Mounting Azure Data Lake Storage Gen2

Antes que todo, vamos a utilizar Azure Key Vault para almacenar el Client ID, Tenant ID y el Client Secret.

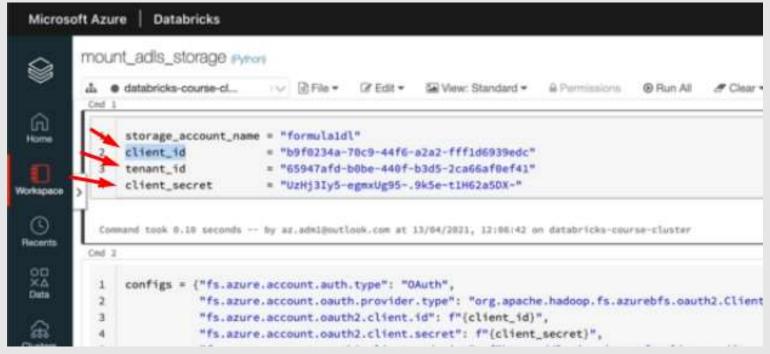


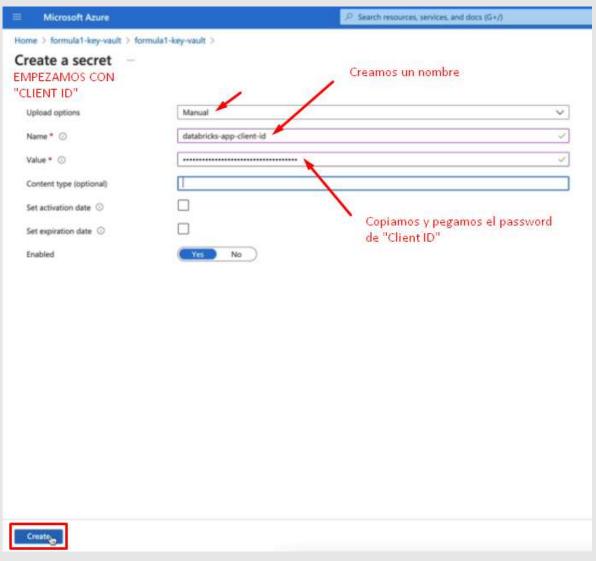
Así agregamos el servicio al dashboard





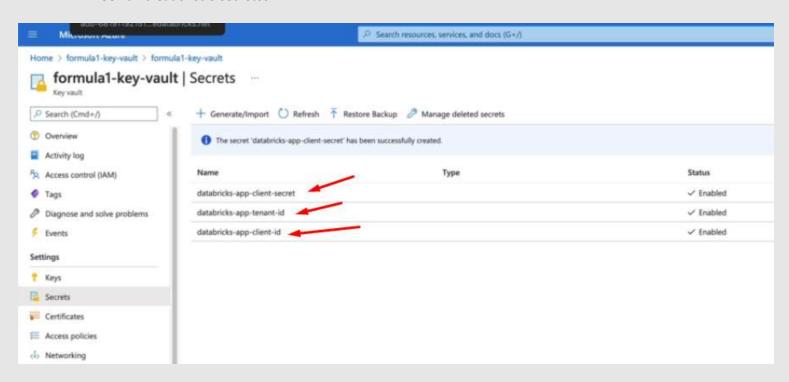
Tenemos que generar 3 secretos en Azure Key Vault



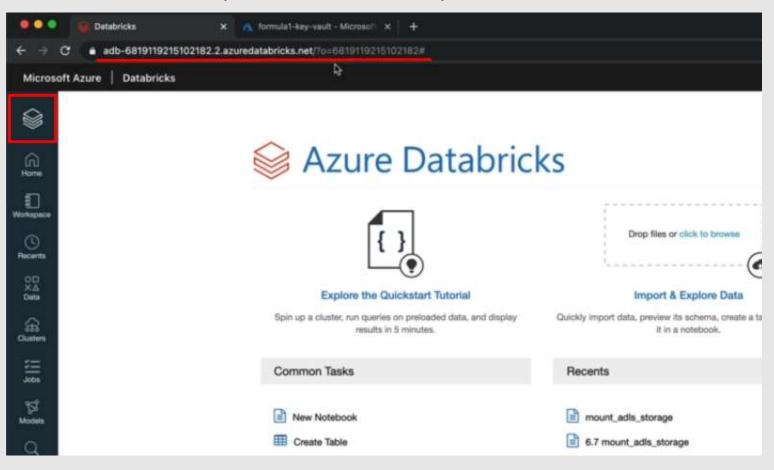


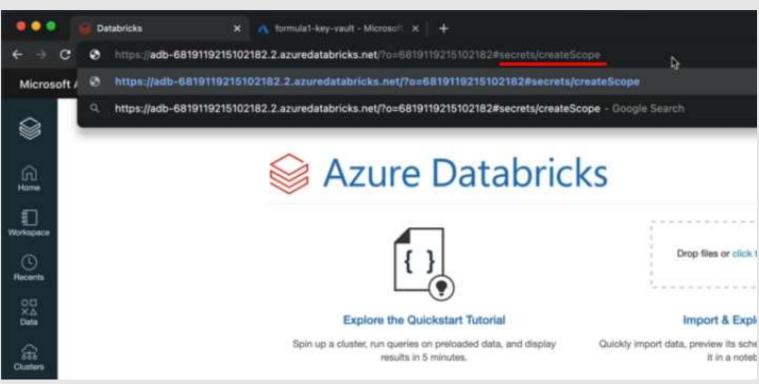


Se han creado los 3 secretos



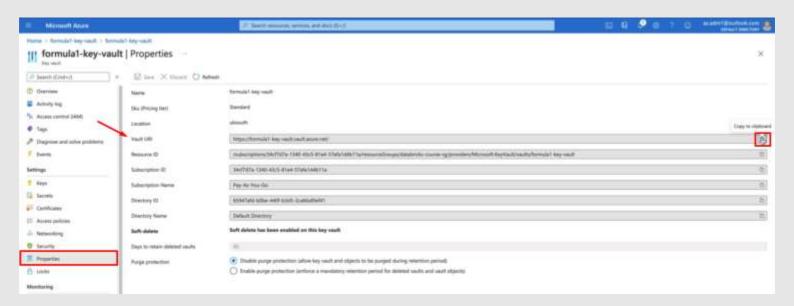
Luego, damos clic en el símbolo de databricks y en la ruta web en el navegador agregaremos #secrets/createScope. Vamos a utilizar Databricks Scoped Secret



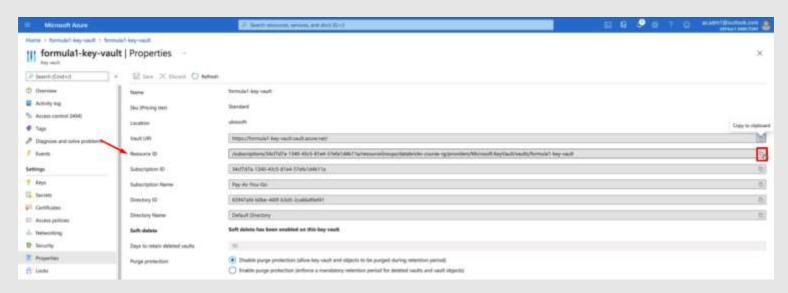


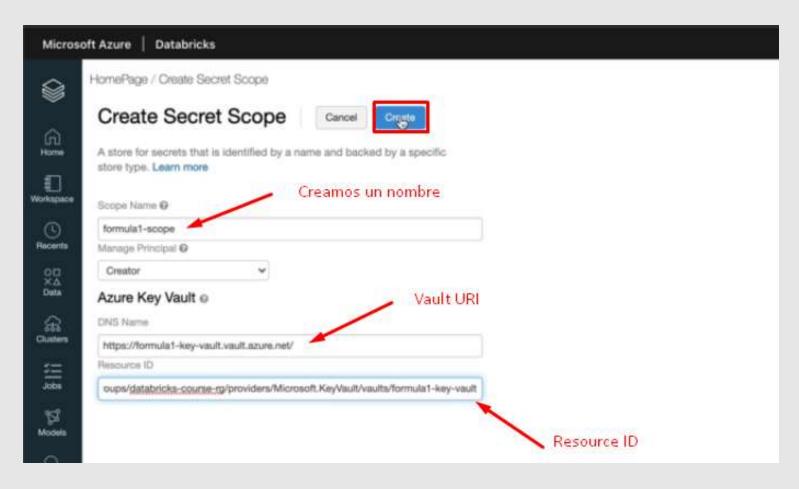
Regresamos al Azure Key Vault

Vault URI

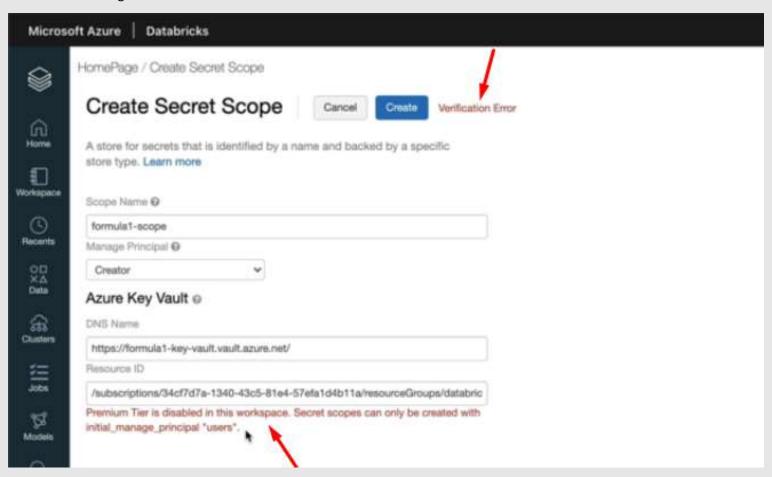


Resource ID

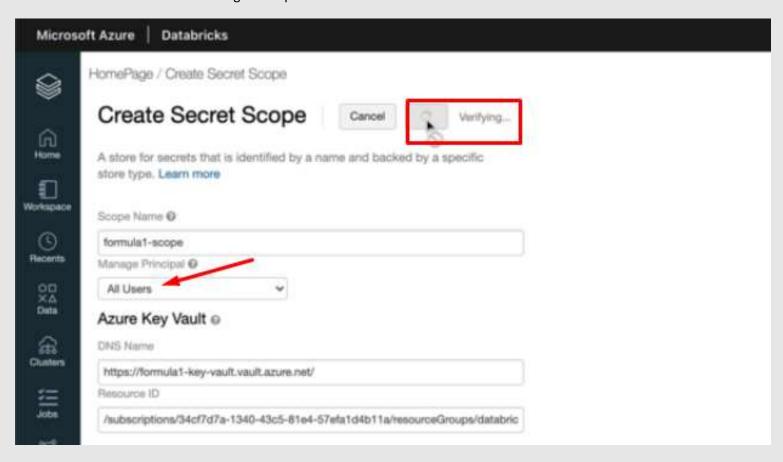


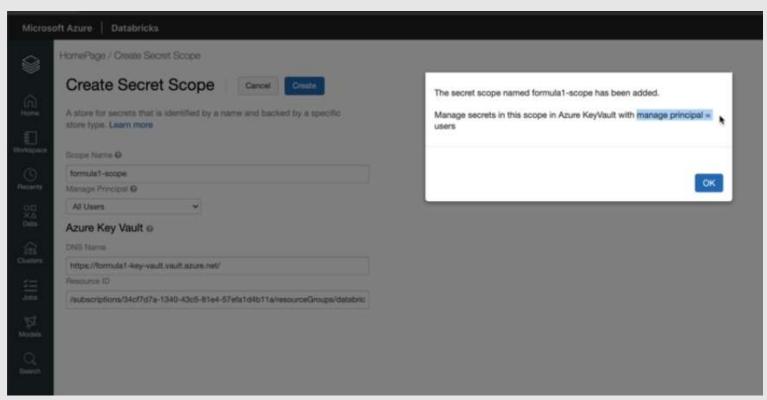


Nos generará un error



Modificamos el "Manage Principal" a "All Users"





```
Cmd 1
     storage_account_name = "formula1dl"
     client_id
                          = dbutils.secrets.get(scope="formula1-scope", key="databricks-app-client-id")
     tenant_id
                          = dbutils.secrets.get(scope="formula1-scope", key="databricks-app-tenant-id")
     client_secret
                          = dbutils.secrets.get(scope="formulal-scope", key="databricks-app-client-secret")
Cmd 2
     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": f"{client_id}",
                "fs.azure.account.oauth2.client.secret": f"{client_secret}",
                "fs.azure.account.oauth2.client.endpoint": f"https://login.microsoftonline.com/{tenant_id}/oauth2/token"}
Cmd 3
     def mount_adls(container_name):
       dbutils.fs.mount(
         source = f"abfss://{container_name}@{storage_account_name}.dfs.core.windows.net/",
         mount_point = f"/mnt/{storage_account_name}/{container_name}",
         extra_configs = configs)
Cmd 4
     mount_adls("raw")
Cmd 5
```

