**#HOW TO MOUNT BLOB STORAGE TO DATABRICKS**

https://www.youtube.com/watch?v=9VzBS4OiP\_A&ab\_channel=AdamMarczak-AzureforEveryone

1. install databricks in Azure CLI

-run python env

-download databricks CLI (pip3 install databricks-cli)

2. in CLI run

databricks configure --token

3. go to Databricks workspace in azureportal

- click in the top right corner on the "Profile" icon and select "User Settings"

- click Generate New Token

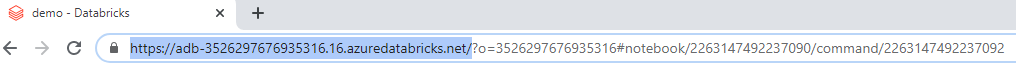
- add Comment

- copy Token !!!! save it somewhere

4. Get Databricks Host (the easiest way is to get it from browsers URL) e.g.

https://adb-3526297676935316.16.azuredatabricks.net/

https://westeurope.azuredatabricks.net/



Paste the Host to the CLI

5. Paste the Token from step 3 in the CLI

6. Try the connection to databricks with command

databricks clusters

databricks secrets list-scopes

if you are getting 'bad request' error try changing the Token value manually

https://forums.databricks.com/questions/50353/databricks-cli-getting-bbad-request-error.html

check the file located at

"C:\Users\YourUsername.databrickscfg"

or "~/.databrickscfg"

and make sure the token is saved in there properly from databricks configure --token

mine was not (maybe from pasting it?) and I manually set it correctly and that worked

7. create new Scope with command:

databricks secrets create-scope --scope SCOPENAME

8. create new Secret within the Scope:

databricks secrets put --scope SCOPENAME --key KEYNAME

A notebook window will pop up. You have to paste there access key from Storage Account, save and exit.

9. upload sample csv file to the container on blob storage

10. go to databricks and create new notebook with Scala, to check if the connection works.

val blobAccessKey = dbutils.secrets.get(scope = "SCOPENAME", key = "KEYNAME")

val storageAccountName = "storage-account-name"

val containerName = "container-name"

spark.conf.set(

"fs.azure.account.key." + storageAccountName + ".blob.core.windows.net",

blobAccessKey)

val fileName = "sample\_file.csv"

val data = spark.read

.option("header", "true")

.option("delimiter", ",")

.csv("wasbs://" + containerName + "@" + storageAccountName + ".blob.core.windows.net/" + fileName)

display(data)

11. How to move secrets from internal database to Key Vault

* access secret management page
* 
* add “secrets/createScope” instead



* create new scope (e.g. “myblobkv”)
* enter DNS Name (go to key vault page -> properties -> Vault URI)
* enter Resource ID (go to key vault page -> properties -> Resource ID)
* Check if new scope is created in CLI **databricks secrets list-scopes**
* Add new secrets in Azure Key Vault with Key from Storage Account
* replace SCOPENAME with new Scope Name (in this example it is “myblobkv”)

**12. Mounting the storage. Example:**

val containerName = “staging”

val storageAccountName = “storagename”

val sas = “Asadas21dswadS”

val url = “wasbs://” + containerName + “@” + storageAccountName + “.blob.core.windows.net/”

var config = “fs.azure.sas.” + containerName + “.” + storageAccountName + “.blob.core.windows.net”

**dbutils.fs.mount(source =url, mountpoint = “/mnt/staging”, extraConfigs = Map(config ->sas ))**

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