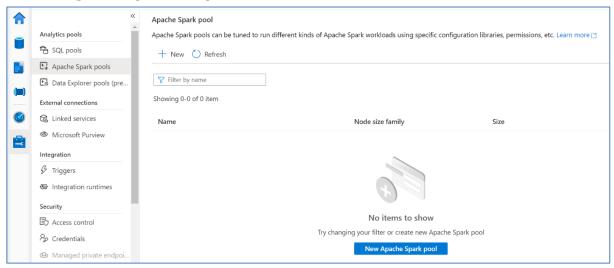


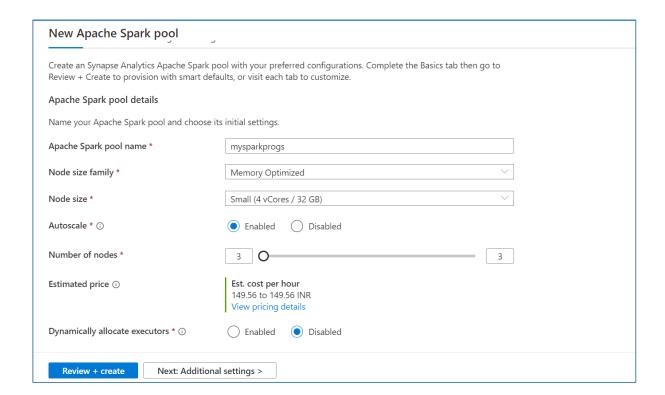
# **SPARK POOL**

# Step 1

#### **Create Spark pool**

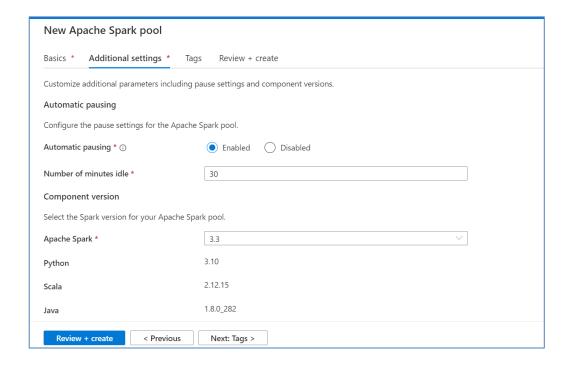
### Manage → Apache Spark Pool → New



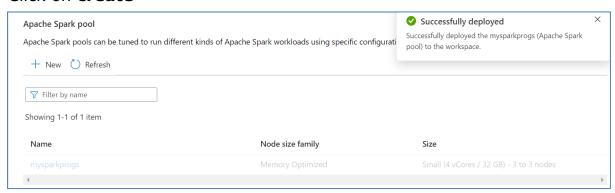


Under Advanced settings change the idle time to 30 mins.





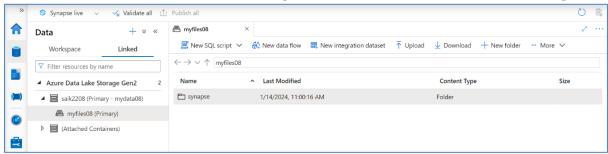
#### Click on create



# Step 2

Create folder by name "mydata" under the container and upload the basestations\_parquet file.

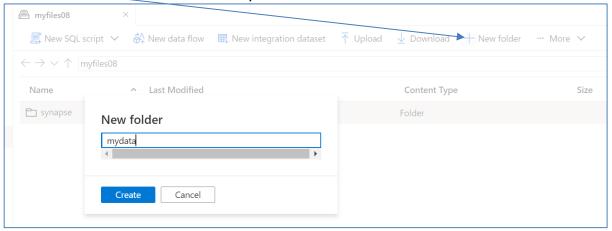
### Go to Data Hub -> Linked → Expand the Azure data lake storage →



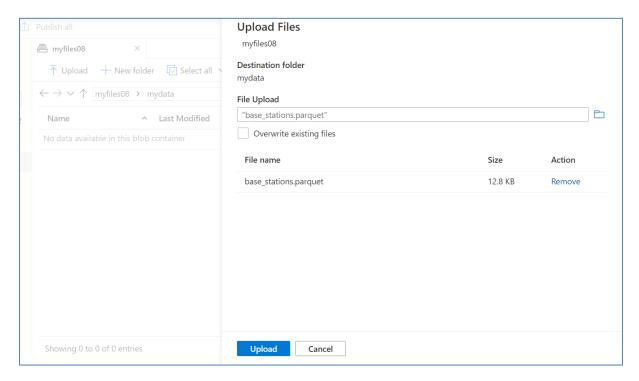


#### **Select the container**

Click on **New folder** from top menu and create the folder.



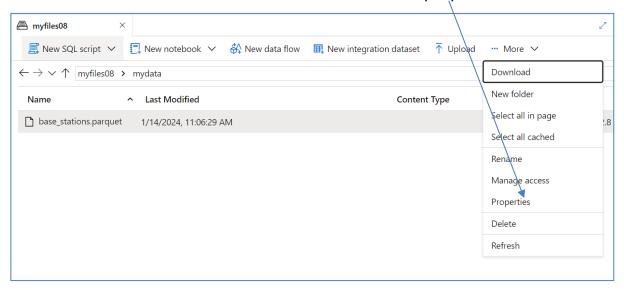
Now double click on the folder and click on the **upload** and select the **base\_stations.parquet** file to upload.



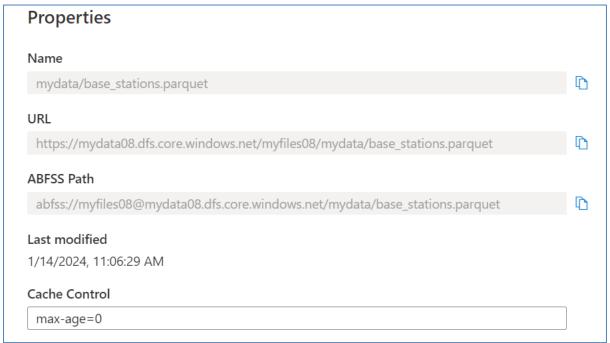
### By Sai Kumar



Select the file and from 3 dots side of more select "properties"



## Copy the **ABFSS** path



**Note:** Below is example do not copy the same, copy from your path.

abfss://myfiles08@mydata08.dfs.core.windows.net/mydata/base\_stations.parquet



# Step 3

Creating dataframe from parquet file.

Go to **Develop Hub** and select **Notebook**.

Give Notebook name as "Sparkprog1\_dataframe"

Select **Attach to** from top menu and provide your spark pool name.

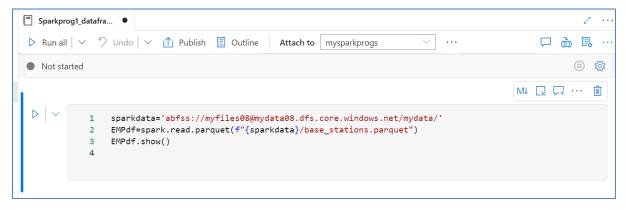


Enter the below under the code.

**Note:** Please provide your abfss path copied in earlier, under storage folder name.

sparkdata='abfss://myfiles08@mydata08.dfs.core.windows.net/mydata/'
EMPdf=spark.read.parquet(f"{sparkdata}/base\_stations.parquet")

### EMPdf.show()



+	++		+		+
id	zip	city s	tate	lat	lon
+	++	+-	+		+
1	86502	Chambers	AZ	35.2375	-109.523
2	86514	Teec Nos Pos	AZ	36.7797	-109.359
3	85602	Benson	AZ	31.9883	-110.2941
4	86011	Flagstaff	AZ	35.6308	-112.0524
5	86016	Gray Mountain	AZ	35.6308	-112.0524
6	86018	Parks	AZ	35.2563	-111.95
7	86336	Sedona	AZ	34.8266	-111.7506
8	85547	Payson	AZ	34.2575	-111.2878
9	85548	Safford	AZ	32.797	-109.7522
10	85533	Clifton	AZ	33.1323	-109.2462



# Click on **Publish All** → Publish to save the notebook.

Publish all						
You are about to publish all pending changes to the live environment. Learn more Pending changes (1)						
						NAME
∨ Notebook						
Sparkprog1_dataframe	(New)	-				

\*\*\* Happy Learning \*\*\*