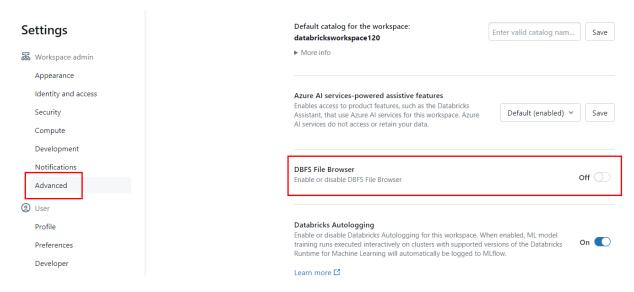


In this tutorial, we're setting up a notebook in Azure Databricks to load data from a Parquet file. The end goal is to enable users to efficiently access and analyze data stored in the file within the Databricks environment. By following the steps outlined, users can seamlessly upload the file, write the necessary code in Scala to load the data and visualize it in a tabular format. Ultimately, this facilitates data exploration, analysis, and further processing within Azure Databricks.

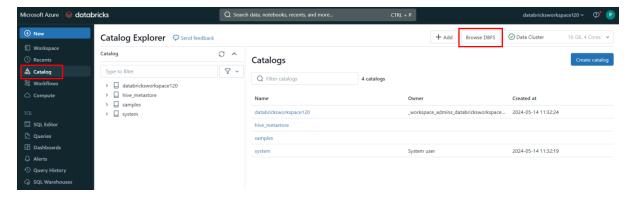
1. Once you have your cluster in place. Then you are going to create a notebook.

Data Cluster Notebooks (0) Libraries Event log Policy Unrestricted Multi node Single node

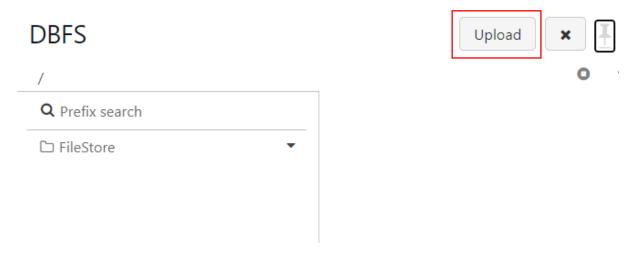
- 2. Before that you have to turn on a feature called DBFS file browser.
- 3. For that you need to open the settings in your workspace and then go to advanced and in there, you have to scroll down to the DBFS file browser.
- 4. Now you are going to turn on this feature. After enabling this feature you have to refresh the entire page.



5. Then you need to go to the catalog and click on Browse DBFS.



6. Now you need to click on Upload, so that we can upload our Parquet file.

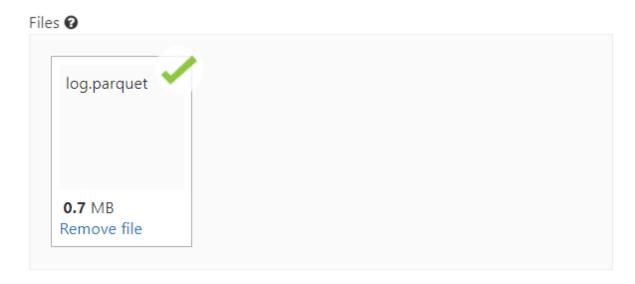


7. Then you can give the folder name as parquet and choose the file from your system.

Upload Data to DBFS



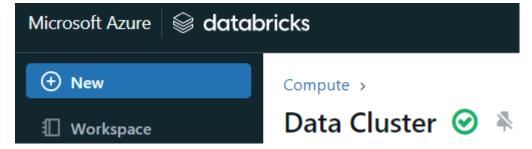
Files uploaded to DBFS are accessible by everyone who has access to this workspace. Learn more



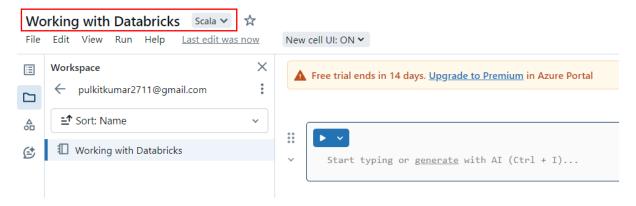
✓ File uploaded to /FileStore/Parquet/log.parquet



8. Now click on new and then choose notebook from the menu. It will create your first notebook where you will be writing the code.



9. Now the first thing you have to do is change the name of your notebook and then change the language to scala.



10. Then we pasted our code, and on behalf of this code, we can pull the data from our parquet file and display the data in tabular format.

```
<>
               1 minute ago (2s)
       import org.apache.spark.sql.types._
       import org.apache.spark.sql.functions.
       val file location = "/FileStore/Parquet/log.parquet"
       val file_type = "parquet"
       val dataSchema = StructType(Array(
           StructField("Correlationid", StringType, true),
           StructField("Operationname", StringType, true),
           StructField("Status", StringType, true),
           StructField("Eventcategory", StringType, true),
           StructField("Level", StringType, true),
           StructField("Time", StringType, true),
           StructField("Subscription", StringType, true),
           StructField("Eventinitiatedby", StringType, true),
           StructField("Resourcetype", StringType, true),
           StructField("Resourcegroup", StringType, true),
           StructField("Resource", StringType, true)))
       val df = spark.read.format(file_type).
       options(Map("header"->"true")).
       schema(dataSchema).
       load(file_location)
       display(df)
```

11. Once you click on run then you can see that data in place.

