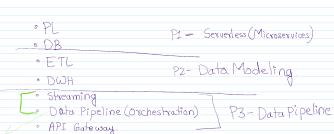
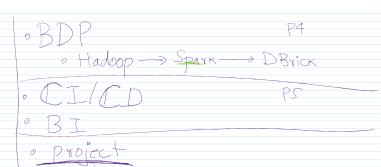
09.2Aug. Streaming, Data Pipeline(Orchestration)

2 August 2023 07:38 PM





Major Project

· CRUD · Read from Storage Streaming 2 NB1 NB2 NB3

Infrastructure (Azure) = RG



2 Azure SQL

A. SQL Server

B. SQL DataBase

C. Query (Table)

3] Azure Data Bricks

A. Workspace

B. Cluster

C. NoteBook

Gen1: (Hierarchical Namespace= FALSE)

Storage Account: spmujahedv1
Container: container: container: liris.csv
Key: KzecEGQi+5nekfAHYXaUDalHy7p0Nt+iAvjgoZ2VV3ondMvzx8JJhziTIMnvVDo3ebud3WJf17+H+AStG+n/Kg==

Gen2: (Hierarchical Namespace=TRUE)
Storage Account: spmujahed
Container: container1
Floider Name: input
Key: X3qf6OqlqFIEBESmsokskfhlm/3X2mvKxh4BbqWu3wlo+7/KpLKUUHdTZhywAtFGeXTewdeLfweh+AStsbk1GQ==

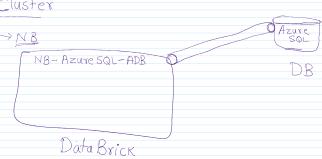
Azure SQL:

Server
ServerName: spmujahed.database.windows.net
User Name: spadmin
Password: spmujahed@123

Database Name: dbspmujahed

Azure Databricks

Azure DataBrico Cluster



Big Data Plat Form

Spark - Fromowork python

result = Spark. read. format ("sglserver")

· option ("host", " sql server address ")

·option ("post", "1433")



Option ("post", "|433")

Option ("usex", "---")

Option ("password", "--")

Option ("database", "---")

Option ("database", "---")

Option ("database", "doo. ixis)

Option ("database", "doo. ixis)

I oad()

CREATE TABLE IFE XISTS iris_data;

GO

CREATE TABLE IFE XISTS iris_data;

GO

CREATE TABLE IFE XISTS iris_data;

GO

CREATE TABLE IFE XISTS iris_data;

Sepal.Length" FLOAT NOT NULL,
"Petal.Length" FLOAT NOT NULL,
"Petal.Length" FLOAT NOT NULL,
"Petal.Length" FLOAT NOT NULL,
"Species" VARCHAR(LOO) NOT NULL);

INSERT INTO Iris_data("Sepal.Length", "Sepal.Width", "Petal.Length", "Petal.Width", "Species")

XALUES(S.1.3.5,1.4,2) Setosa);

select * from iris_data

"A Magic Command.

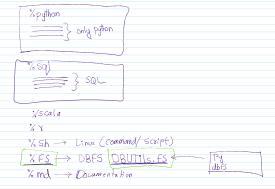
"It should in first

"Each Cell/ Magic Command

[Fython] DB] SOU

OF Temp Table)

"1NB/Multiple Magic Commands



Dataframe = (spark. yead; ----. Load())

 $\begin{array}{c} \underline{WASBS} = \underline{Window} \; Azure \quad Storage \; Blob \quad Searce \longrightarrow \underline{Gren} \; 1 \\ ABFSS = \; Azure \; Blob \; File \; System \; Searce \longrightarrow \underline{Gren} \; 2 \end{array}$

- Access Key
- 2 SAS
- 3 Service Principal (AD)

WASBS

washs:// Container @ Storagetcount. blob. core, windows. net