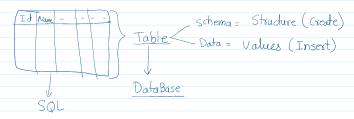


> Structure Query Longuage





- RDBMS → SQL - Structure

B] Big Data

- Unstructure -

- Semi-Structure - Bank . finance.

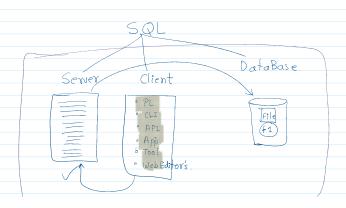
J New Data

- Structured

- Unstructure

- Semi-structure

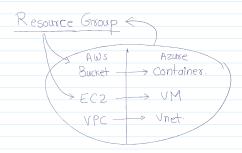
·No-Complaince ? Databrick's



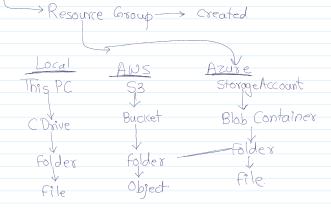


(Microsoft Azure./AWS)

Microsoft Azure

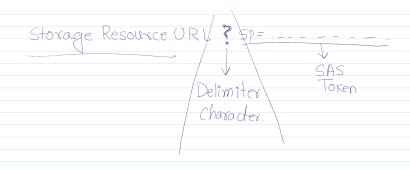


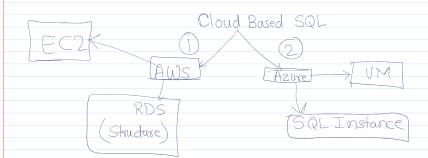
Subscription - Active



* Generate SAS

- · Shared Access Signature
- · Token based Authentication.







- · Cloud Virtual Server
- · Compute/Processing

Instance Host Sharable Dedicated

- Cloud Server
- Pay More
- Good Security.
- Good Performance 100\$
- · Cloud Virtual Server
- · Seawify
 · Performance Limités

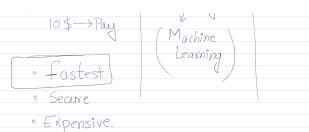
Adv. Cost. 10-15\$

Spot On Demand · Bidding. 10\$→Pay Machine

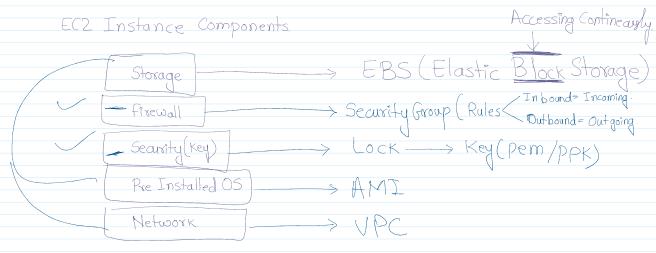
Learning

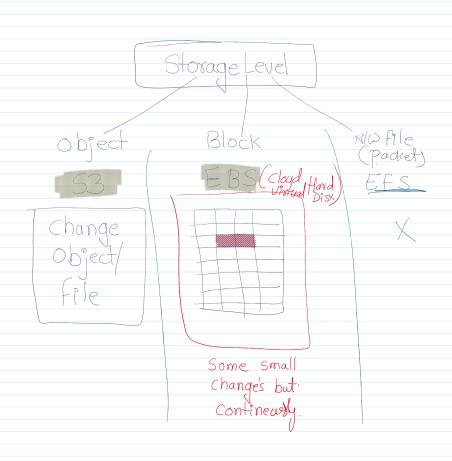
Reserved

· 3-5years



Expensive.







- · AMI = Ubunta
- · Instance Type = t2.micro
- Key-Pair = mujahedh.
 Security G. = sqall traffic

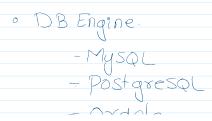




Figure 1: Magic Quadrant for Cloud Database Management Systems



Source: Gartner (December 2022)



- PostgresqL
- Oracle
- M5-SQL
- Maria DB
- · Fully Managed
- · Secure
- 0 HA.
- o performance at scale

DB

RDBMS=RDS

(DWH = RedShift

NoSOL

- · Graph = Naptune
- · Key Value = Dynamo DB.
- · In-Memory = Elastic Cache
- o Dat

Documet = DOCDB

Database Name: database-1 User Name: admin Password: 48kl8Rh4MBVzYAPE3o5H

- (· Storage (object)
- · Compute (Block)

 > T. RDS (SQL)

 - o NoSOL (DynamoDB)

 o Storage Account.

 o SOL Instance.

 - · NO SQL