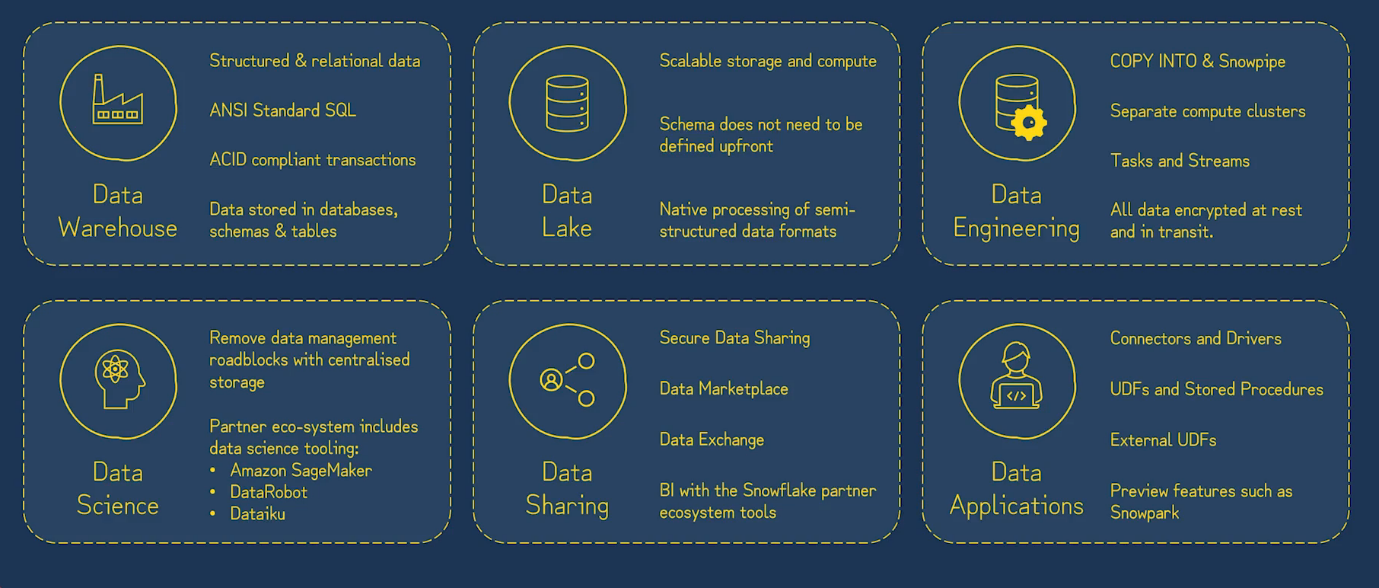
**What is Snowflake?**

**1: Data Platfrom**

****

See the image

**2: Cloud Native:**

* Snowflake’s software is purpose built for the cloud
* All snowflake infrastructure runs on the cloud either AWS,GCP or Azure.
* Snowflake makes use of Cloud’s elasticity, scalability, high availability, cost-efficiency & durability.

**3: Software as a service(SaaS):**

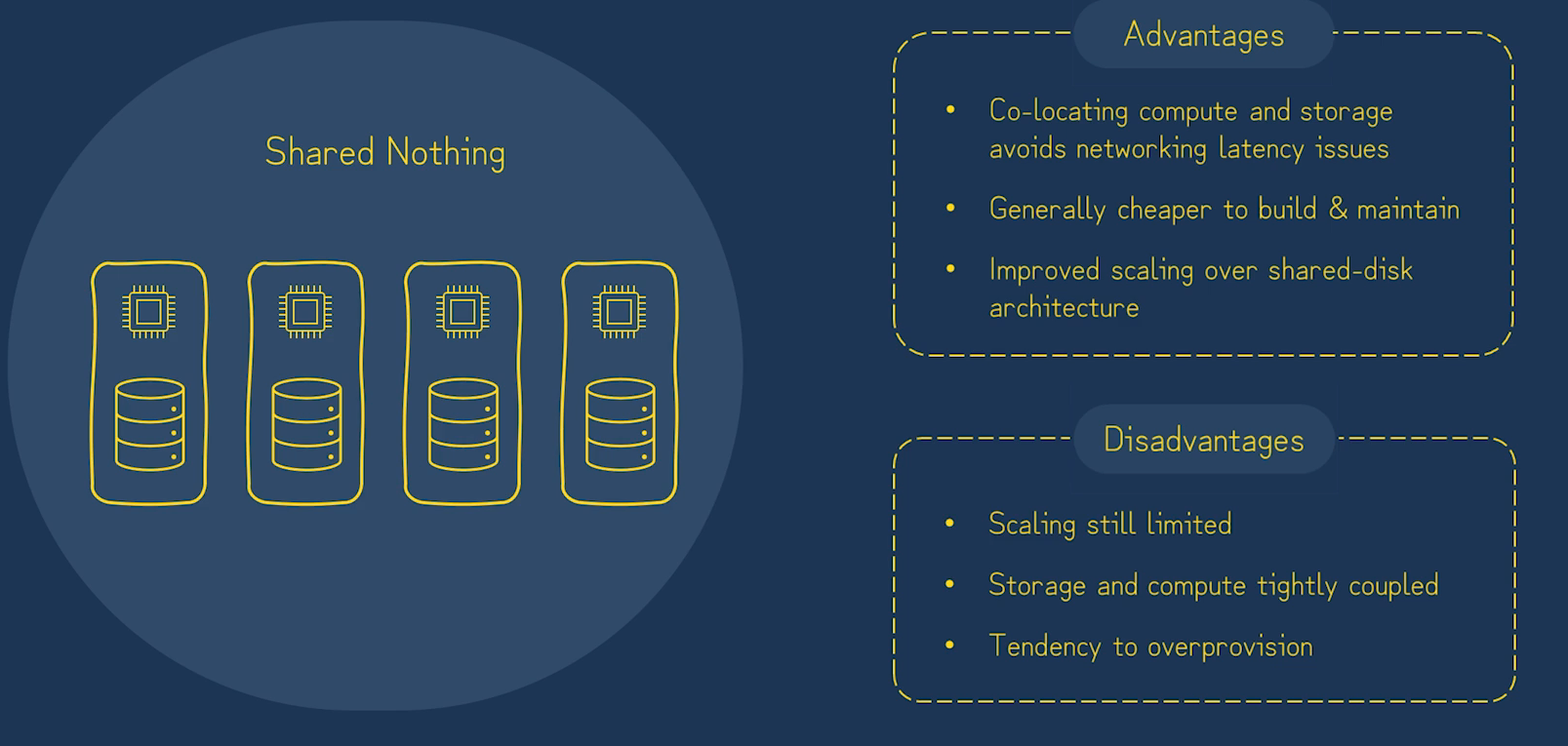
* No management of hardware
* Transparent updates and patches
* Subscription payment model
* Ease of access
* Automatic optimization

**Data Warehouse Architecture:**

**Shared-Disk Architecture:**



**Shared-Nothing Architecture:**

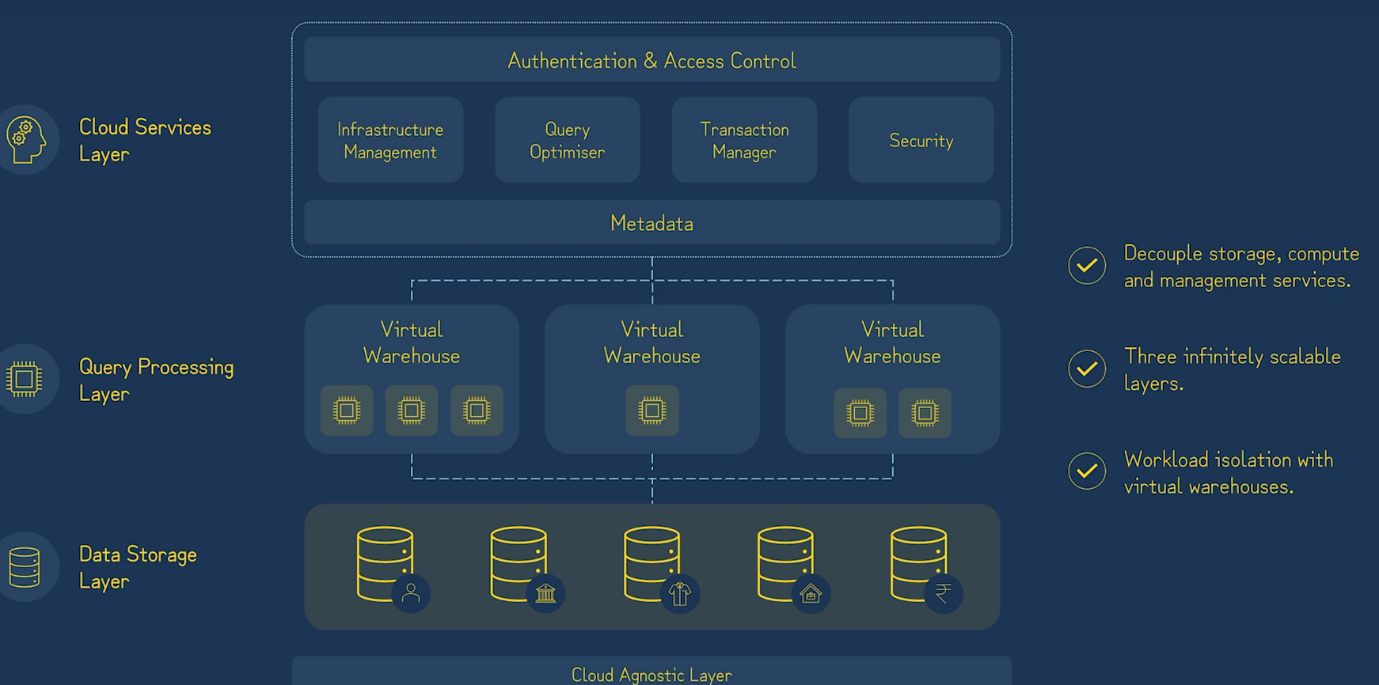
****

**Snowflake : Multi-Cluster Shared data Architecture:**

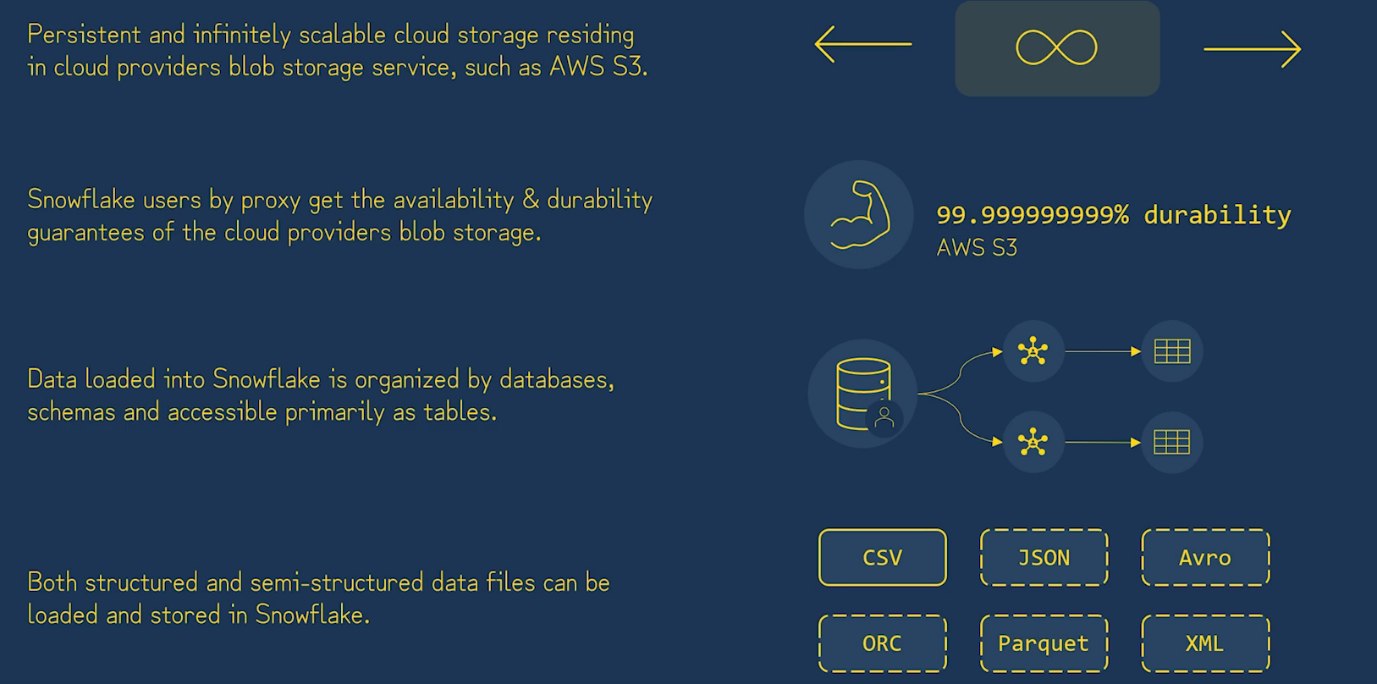
**Data Storage layer:** is shared disk architecture

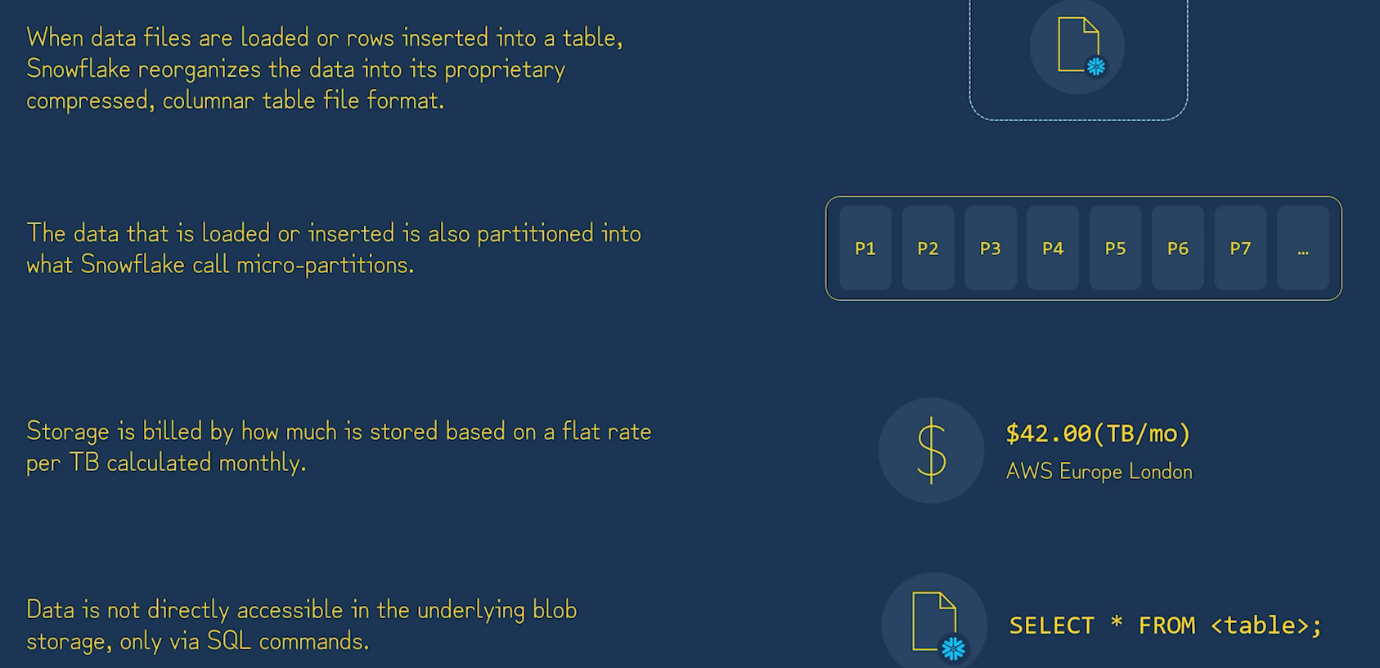
**Query Processing Layer**: Shared Nothing Architecture

**Cloud Service** **layer**:

****

**Storage Layer:**

****

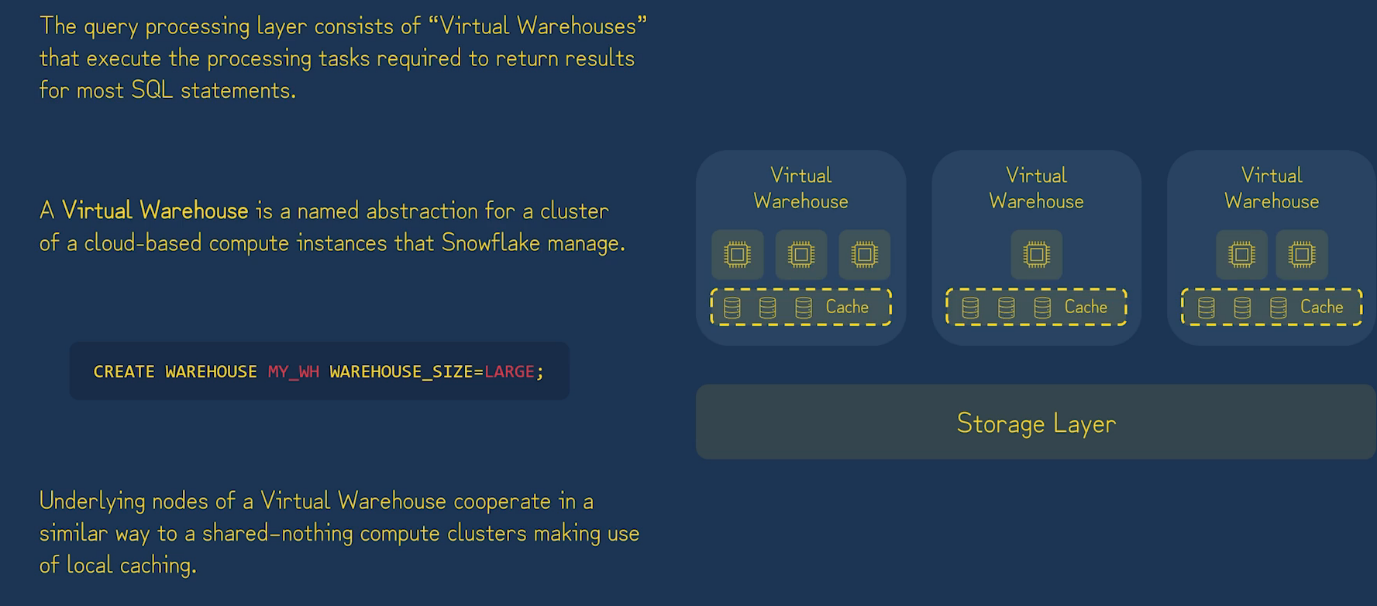


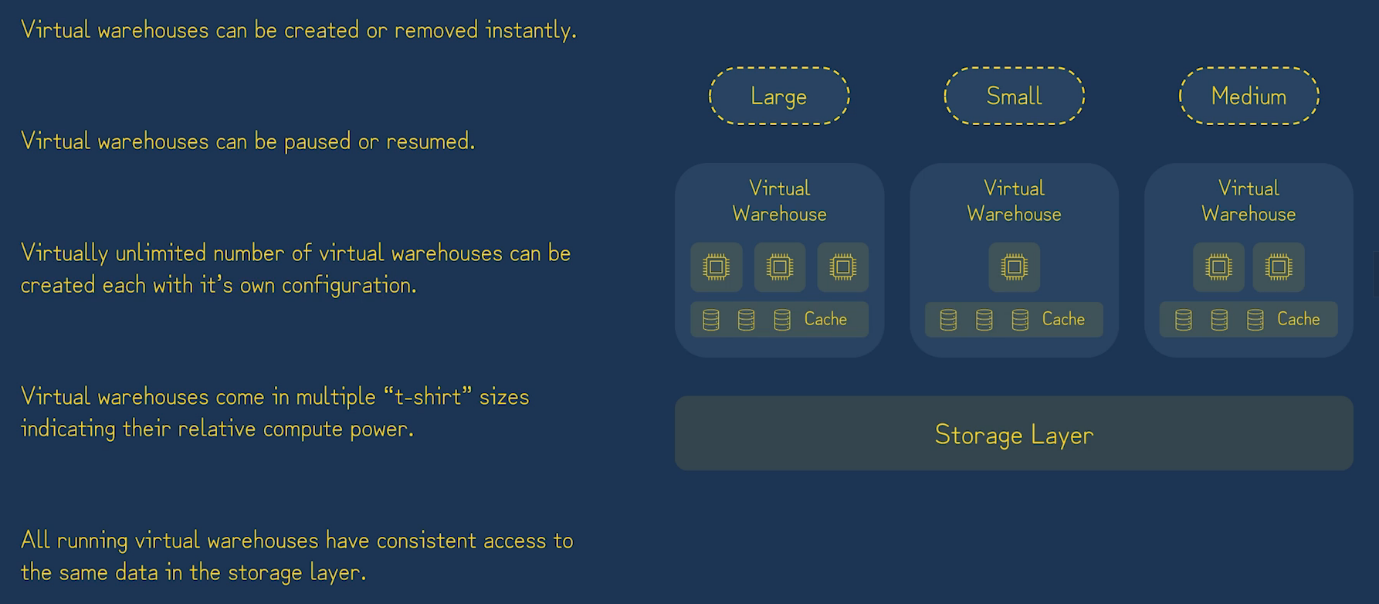
**Query Processing Layer:**

When we create give below command

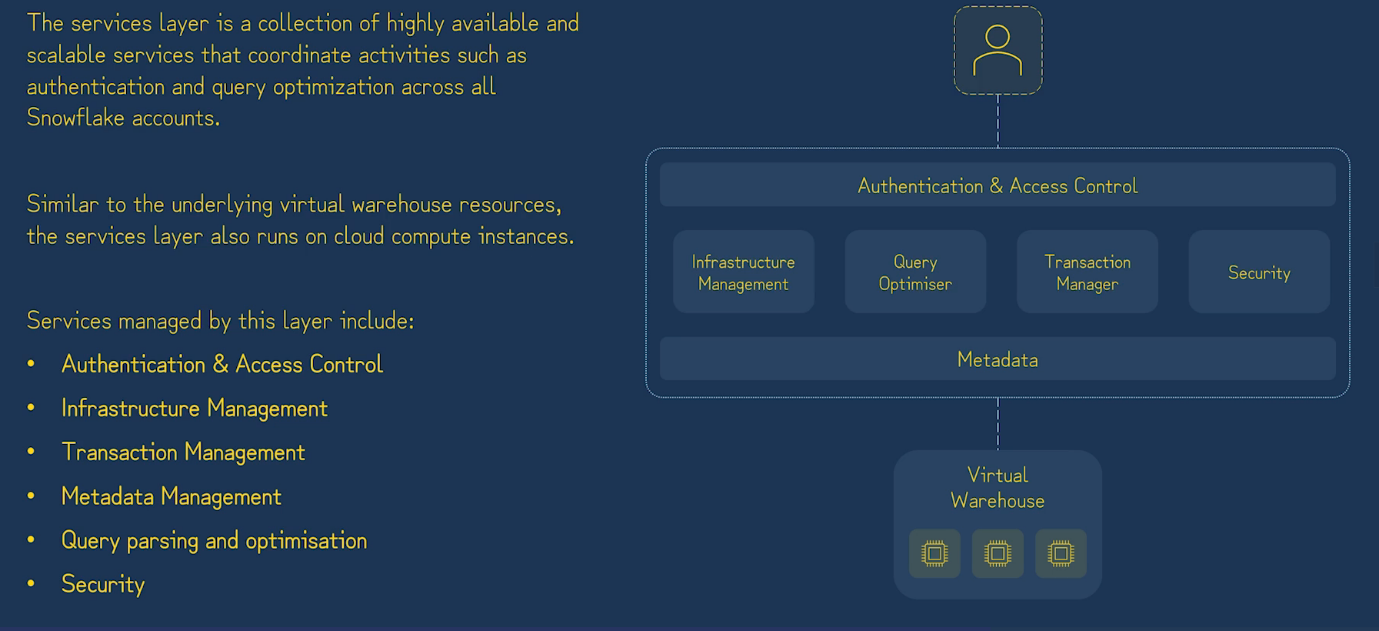
CREATE WAREHOUSE WH\_MY SIZE = LARGE;

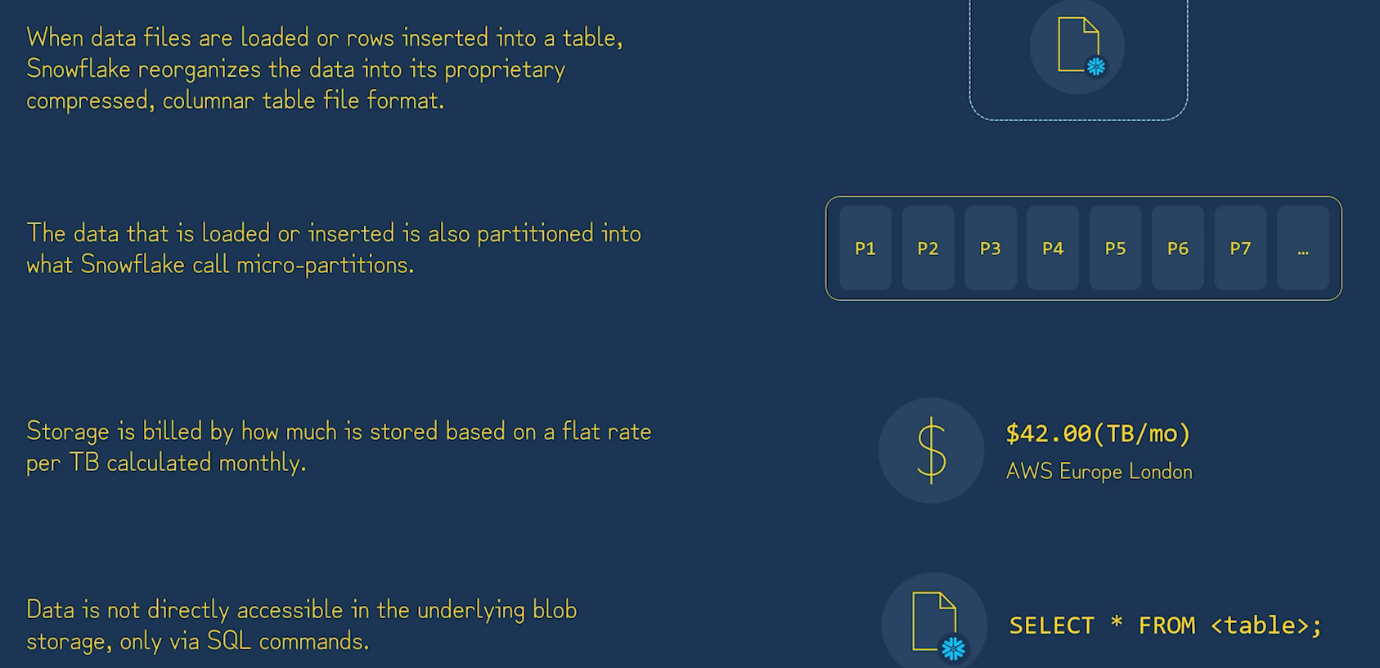
It actually creates EC2 instance in distributed environment.





**Service-layer:**

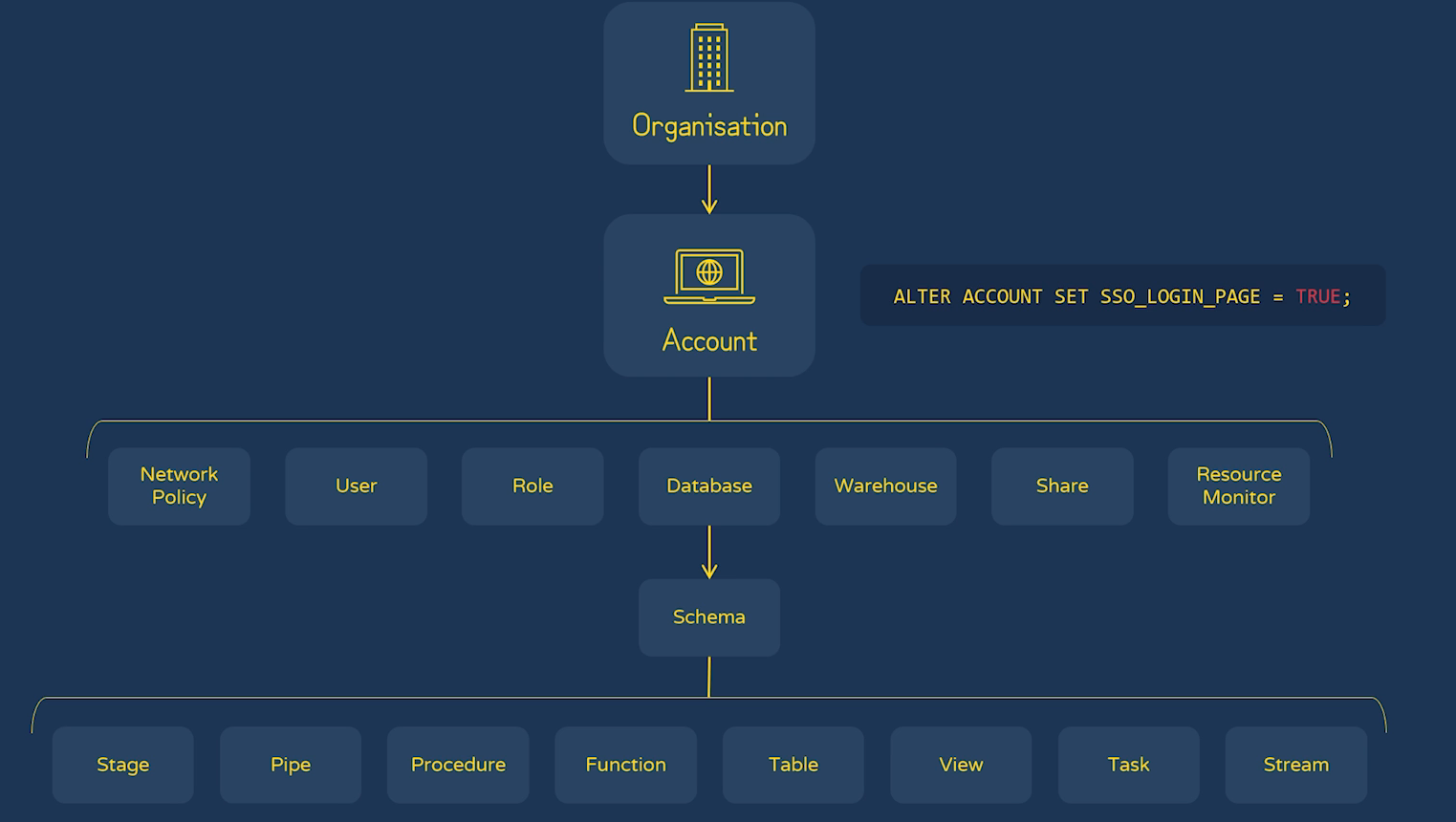




**Snowflake Edition & Key Feature:**

1. Standard
2. Enterprise Edition
3. Business Critical
4. Virtual Private Snowflake

**Snowflake Object Model:**

****

**Organization Overview:**

* Manage one or more Snowflake Account
* Setup and administer Snowflake feature which make use of multiple account
* Monitoring usage across accounts

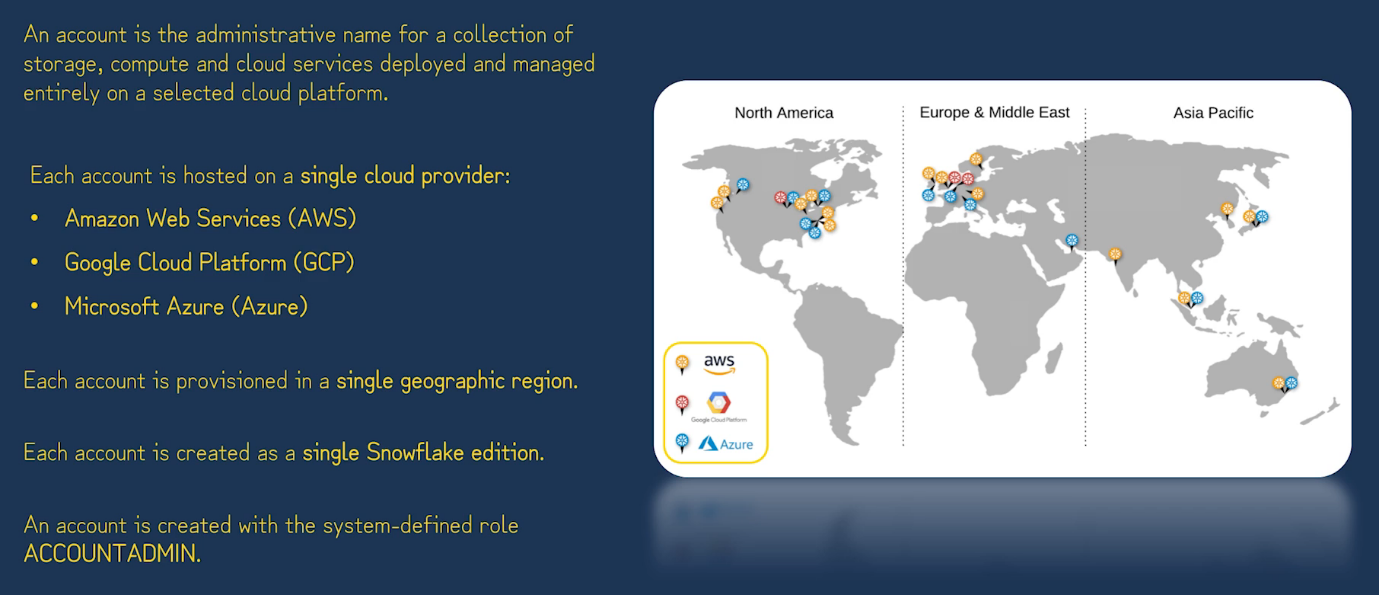
**Organization Setup:**

* Contact Snowflake support
* Provide organization name and nominate an account
* ORGADMIN role added to nominated account.

****

By default: 25 account is allowed to create.

**Account Overview:**

****

**Account URL:**

