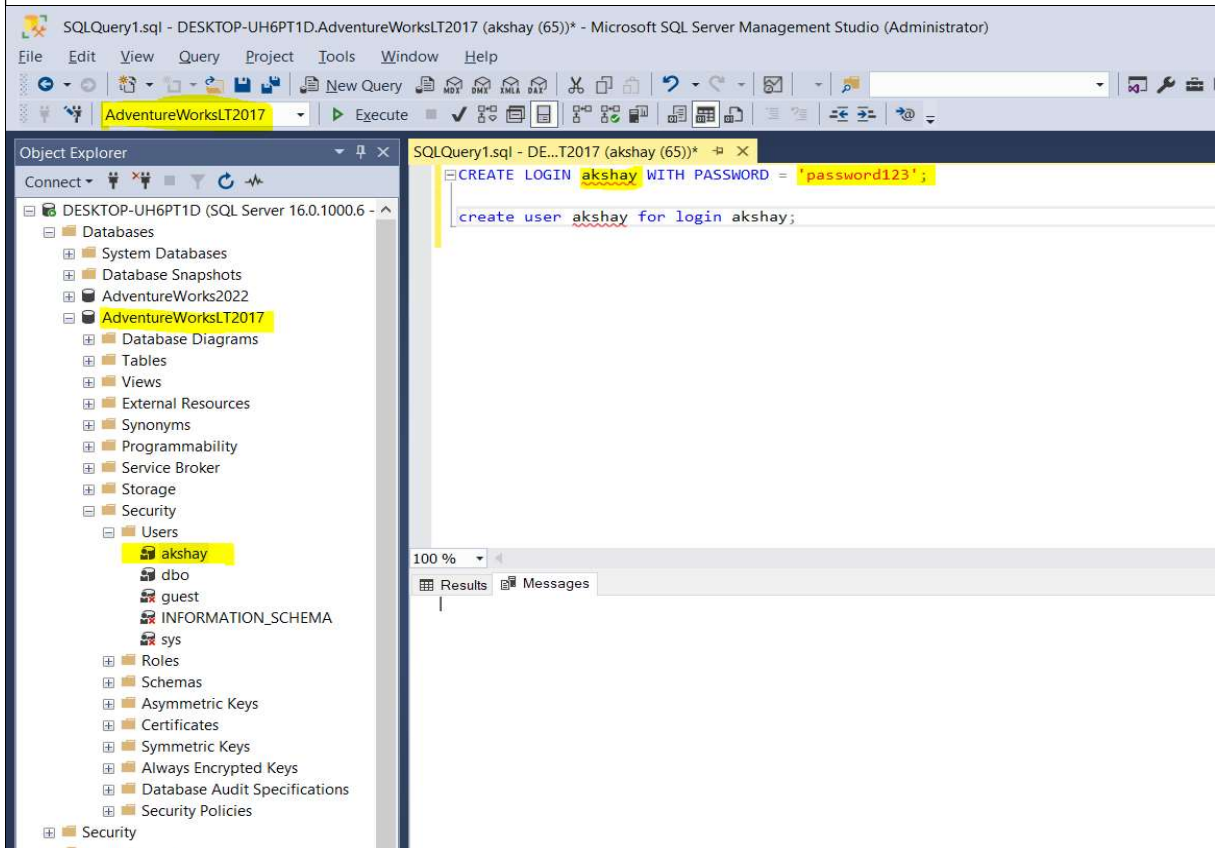# Environmental Setup

1) On-Premises Database Configuration

- Create login credentials.

```
CREATE LOGIN akshay WITH PASSWORD = 'password123';

create user akshay for login akshay;
```

- Query to fetch the all the table names from the database.

```
SELECT
s.name AS SchemaName,
t.name AS TableName
FROM sys.tables t
INNER JOIN sys.schemas s
ON t.schema_id = s.schema_id
WHERE s.name = 'SalesLT'
```

- On-Premises database up and running

```
SELECT
*
FROM

SalesLT.Product
```

2) Create AZURE DATA FACTORY resource in Azure Portal
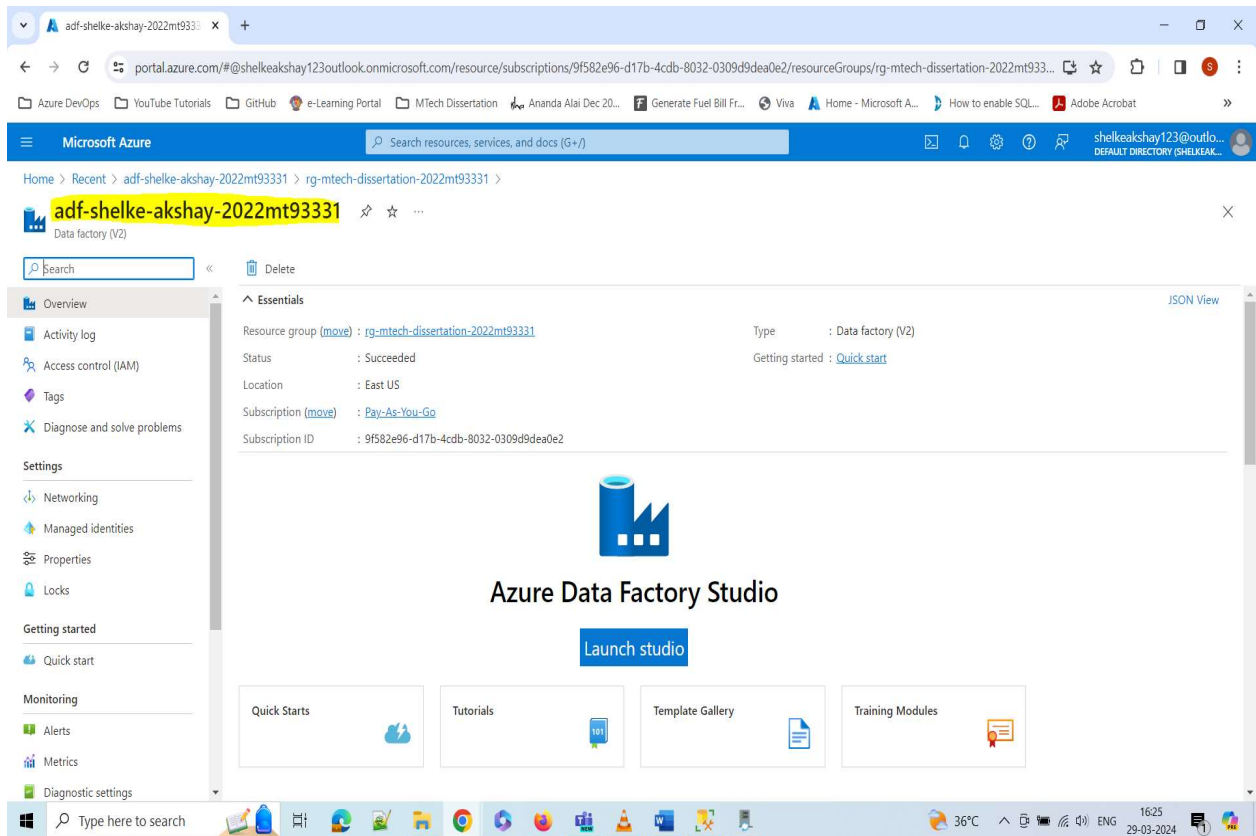
Please follow the Microsoft documentation : https://learn.microsoft.com/en-us/azure/data-factory/tutorial-copy-data-portal#create-a-data-factory

3) Create and configure a self-hosted integration runtime.

A self-hosted integration runtime can run copy activities between a cloud data store and a data store in a private network.

A self-hosted integration runtime is a component that allows Azure Data Factory to securely access data resources within a corporate network or a private network. It serves as a bridge between cloud-based data integration services and on-premises or private network data sources.
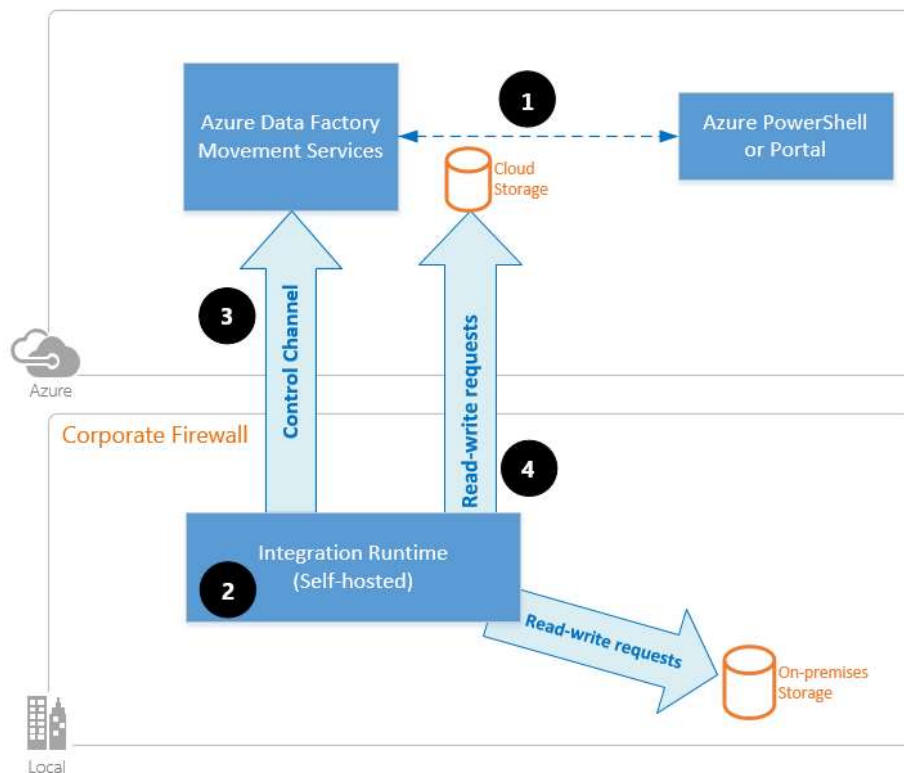
This setup allows Azure Data Factory to securely access and move data from on-premises or private network sources to cloud-based data stores, or vice versa, while maintaining control and security within the corporate network environment.

For More Details, please visit Microsoft Documentation : https://learn.microsoft.com/en-us/azure/data-factory/create-self-hosted-integration-runtime?tabs=data-factory

self-hosted integration runtime, up and running on on-premises machine