Project 1: Data Pipeline for Customer Account Analysis

Local Machine

Self Hosted IR

Master Pipeline

Execute Pipeline Activity

Bronze Layer

If New Data — No → No Activity

Yes

Execute Pipeline Activity

Silver Layer

Execute Pipeline Activity

Gold Layer

Bronze Layer

Data Ingestion

Key Vault

Bank Dataset CSV Files

ADLS Gen 2 Storage

Take Backup

ADLS Gen 2 Storage

Silver Layer

Data Transformation/Cleansing

ADLS Gen 2 Storage

ADF

DataFlow

Gold Layer

Data Loading

Key Vault

DataFlow

SCD Type 1 & 2 Logic

Azure SQL Database

Power BI Report on SQL DB Tables

Data Visualization