MS case - Data Solution - Technical drawing v1.0

Azure DevOps CI CD Pipeline

- Azure DevOps - CI CD environment (DEV, ACC, PRD)
- Azure Repo/Git ADF
- Azure Pipelines

Customer Subscription

<project>-<env>-rsg-main

Virtual Network

Managed Identities

Customer managed keys

Key Vault

**XYZ Bank
DATA SOURCE**

Source 1

Source 2

Source 3

Source 4

On-Premise

INGESTION LAYER

SERVING LAYER

Firewall

**Self-Hosted
Integration Runtime (VM)**

Azure Databricks

Check schema, cleanse & standardize format

Build Data Model / Transformations

Data Factory

Copy, REST API, Triggred, etc.

RAW DATA
(original format)

CURATED DATA
(Delta format)

DATA WAREHOUSE
(Delta format)

ADLS Gen2 Storage Acount

Orchestrate

Azure Synase
Serveless Pool (MS
Data Model)

Dashboards -
bank's strategic
pivot

Marketing System (MS)

Marketing users

Observability & Monitoring

- Azure Monitor
- Log Analytics
- Alerts rules
- ADF Metadata pipeline

- Cost managemen
- Tag classification