

DataOps in Microsoft Fabric

Design Pattern

Medallion Architecture

Each zone (Bronze, Silver and Gold) as a lakehouse.

Bronze and Silver zones as lakehouse. Gold Zone as Data Warehouse.

Data Mesh Architecture

Data domains that offer data as a product. Implement Medallion architecture within each domain.

CI/CD workflow

CI

Develop using client tools – Source Code Format

Develop using another workspace – Branching Out

CD

Git - based deployments. (Gitflow)

Git - based deployments using Build Environments. (Trunk-based)

Deploy using Fabric deployment pipelines.

CI/CD for ISVs in Fabric (managing multiple customers/solutions)

Git Integration

Git Provider

Azure DevOps

GitHub

Prerequisites

Admin Portal

Users can create Fabric Items

Users can synchronizr workspace items with their Git repositories

Users can synchronizr workspace items with GitHub repositories

IaaS

Terraform

Bicep

ARM Template

FABRIC REST API

Connection

Create Service Principal

Create Security Group

Assign Roles Contributor and User Access Administrator