Lake House Reference Architecture

Demo Outline

# Introduction

## Self Intro

## Architecture Overview

Diagram

Description automatically generated

## Current State of Architecture in Demo

Diagram

Description automatically generated

(*Separation of accounts in progress*)

# Use Case Intro

## Diagram showing functional purpose

Diagram, timeline

Description automatically generated

### Explanation of Lake House Business Benefits

On top of the well-understood Lake Formation data lake features, a Lake House enhances that that model.

* Reduction of operational overhead
  + Eliminates need to move data into & out of Warehouse
* Highly organized and manageable data access governance mechanisms
  + Domain-Data Management
* Source-of-Truth data access & data masking across accounts

#### Dataset

We are utilizing a small data with a small number of columns to clearly illustrate functionality.

Example record:

{ "Name": "Test1 User", "Contact": 12345678, "Phone": "5555555555", "SS": "1234567890" }

# Demo

## Produce Data

*Run the data producer workflow*

## Ingest Data Into Data Lake

*Run the data ingestion workflow*

## Show LF tagging permissions for different Users

## Show Data Mesh Capabilities of Domain Data Admin Delegating Access Rights