# Monitoring
Fabric and Power BI

Havens Consulting, YouTube stream, September 11th, 2023

A complete solution to extract and query

- Power BI & Fabric activity/audit events
- Power BI & Fabric artifacts metadata
- Power BI & Fabric tenant settings
- Microsoft Graph data (users, groups, licenses)

Using Azure Data Factory or Integration Pipelines in Azure Synapse Analytics and the Synapse Serverless SQL Pool.

Architecture

Data sources	Ingest	Store	Transform	Serve

Power BI / Fabric

Graph
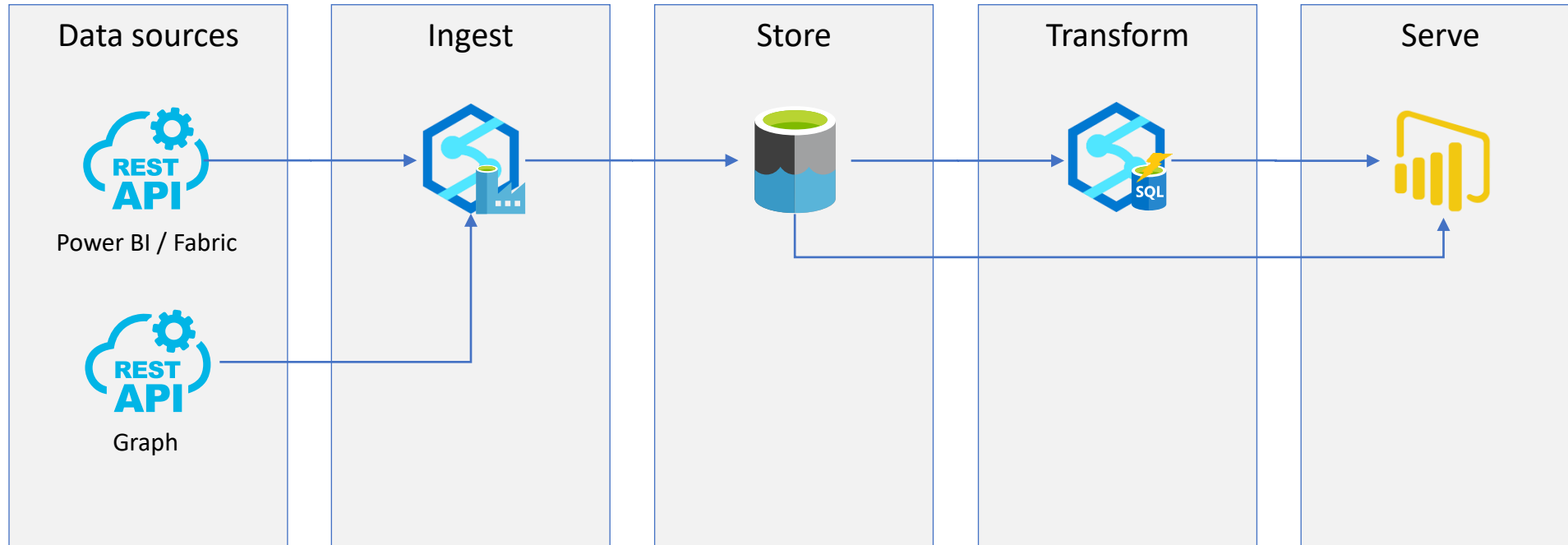
Authentication to Power BI and Fabric tenant

Use the built-in System Assigned Managed Identity

- Create a new Security Group in Azure Active Directory
- Add the "Managed identity" (service principal) of the Synapse or Data Factory resource as a member of the security group
- Enable service principal authentication for read-only admin APIs in Admin Tenant Settings and add the security group
- *Optional: Enable the Enhance admin APIs responses with "detailed metadata" and "DAX and mashup expressions"*
- Create Linked Service (REST)

Authentication to Microsoft Graph

Either extend the permissions of the System Assigned Managed Identity or create an App Registration in Azure Active Directory

- Need API permissions: Directory.Read.All