



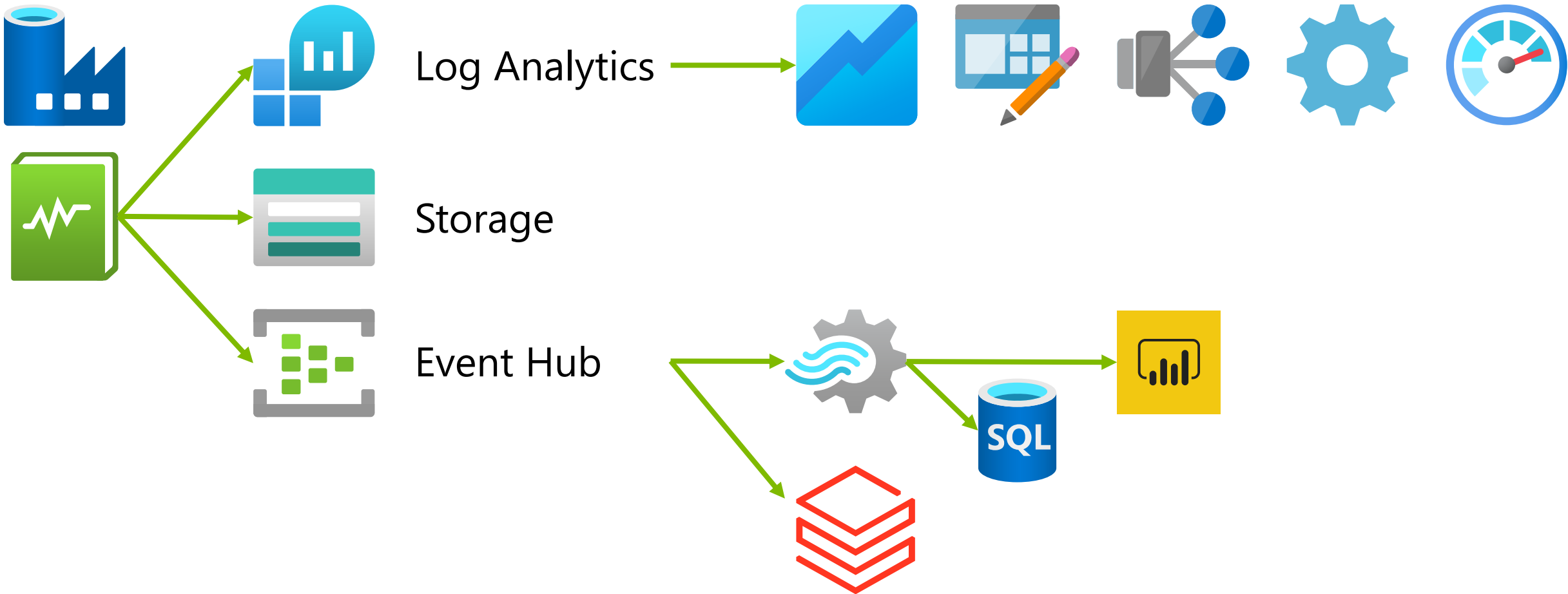
Module 6: Monitoring Alerting Security

- Logging - Kusto Queries
- Alerting
- Using Azure Key Vault
- Access & Permissions

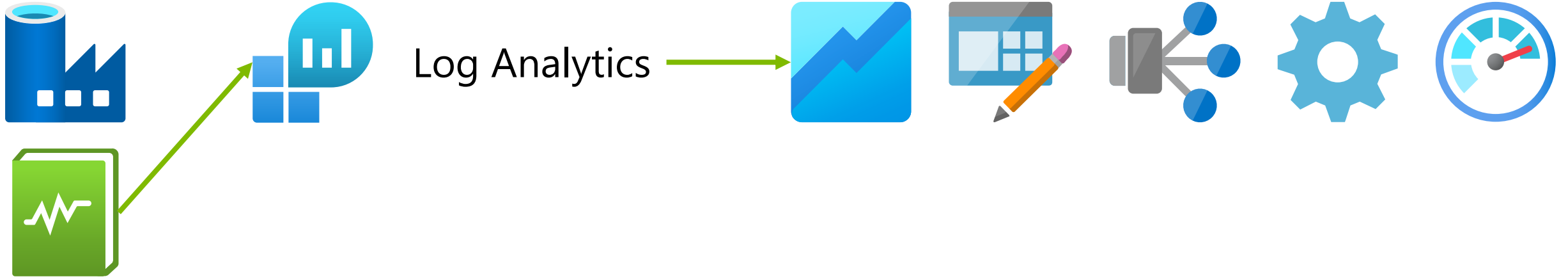
Logging



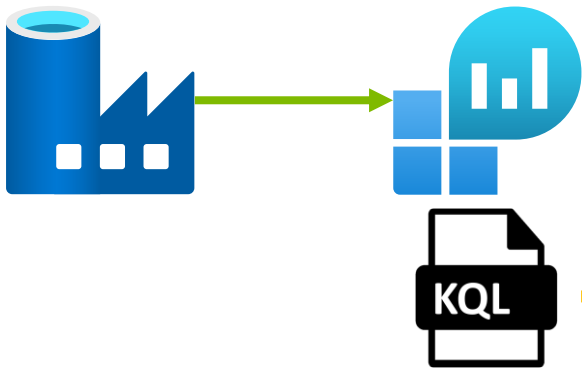
Diagnostic Settings



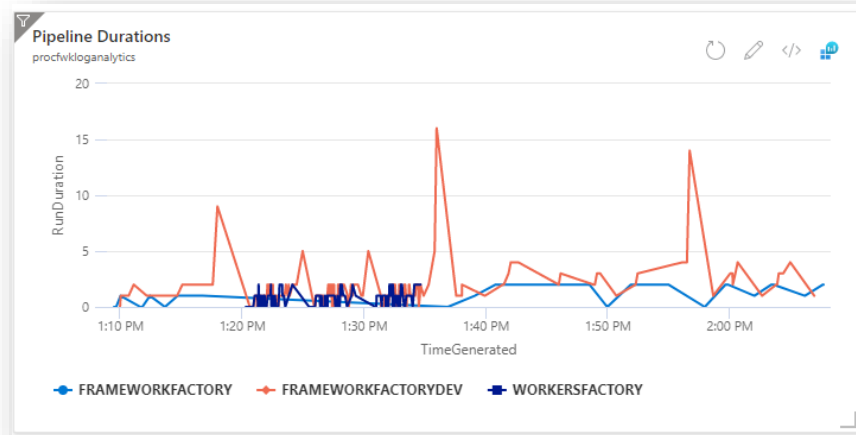
Diagnostic Settings

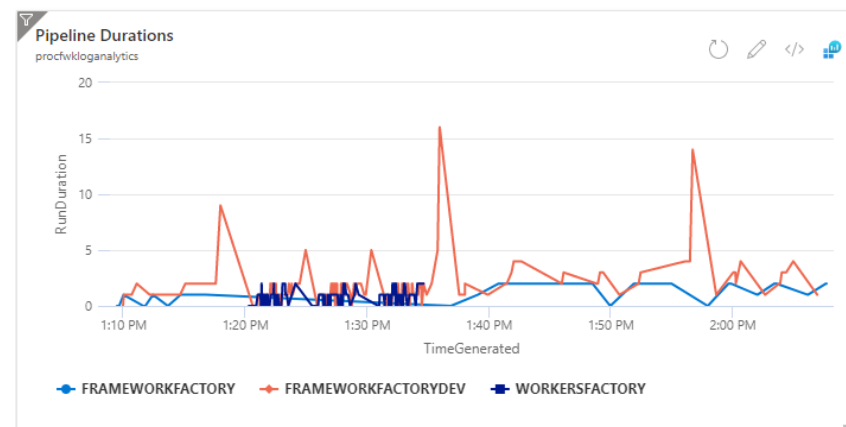


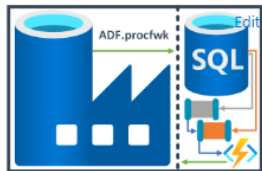
Using Log Analytics



```
ADFPipelineRunDurations
| project
    TimeGenerated,
    Start,
    End,
    ['DataFactory'] = substring(ResourceId, 121, 100),
    Status,
    PipelineName,
    Parameters,
    ["RunDuration"] = datetime_diff('Minute', End, Start)
| where
    TimeGenerated > ago(1h)
    and Status !in ('InProgress', 'Queued', 'Cancelling')
```







Resources and Content

[Edit](#)

	Blogs	mrpaulandrew.com/ADF.procfwk
	GitHub	github.com/mrpaulandrew/ADF.procfwk
	Twitter	#ADFprocfwk

FrameworkSupportF...

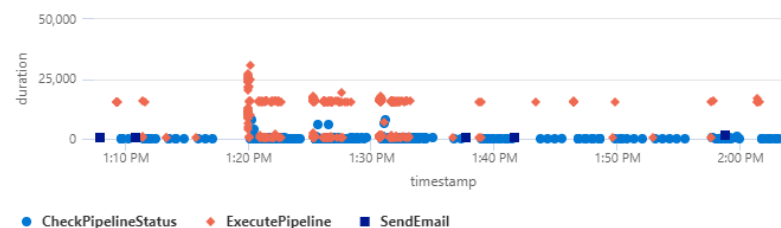
Function App

Running

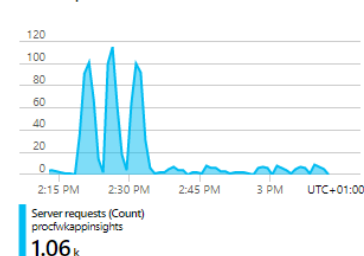


Function Call Durations

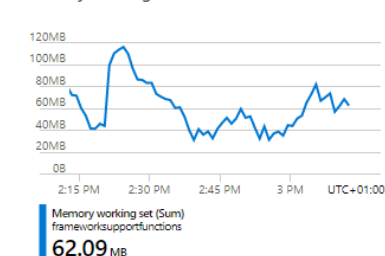
ProcFwkAppInsights



Server requests



Memory working set

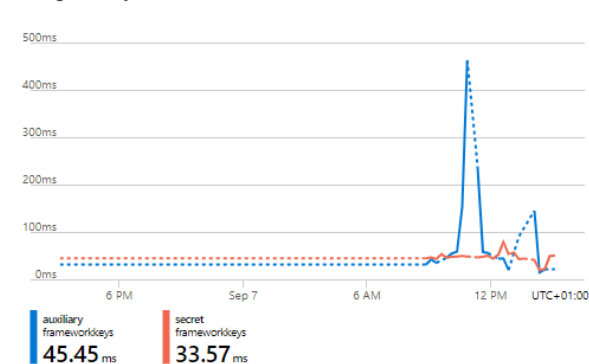


FrameworkKeys

Key vault



Average latency



ProcFwkAppInsights

Application Insights

procfwkloganalytics

Workspace

Resources

ADF.procfwk

- ProcFwkLogAnalytics
- FrameworkFactory
- FrameworkFactoryDev
- FrameworkKeys
- platformsupport01
- FrameworkMetadataDev (pl...
- frameworksupportstore
- frameworkstorage01
- FrameworkSupportFunctions
- FrameworkFactoryTest
- WorkersFactory
- frameworkconsynapse
- UKSouthPlan
- FrameworkMetadataTest (pl...
- ProcFwkAppInsights
- 9a4fe00e-39d9-4ec8-8f88-5...
- frameworkdatalake01
- sqlvaexht4i7t63enw

FrameworkFactor

Data factory

FrameworkFactor

Data factory

FrameworkFactor

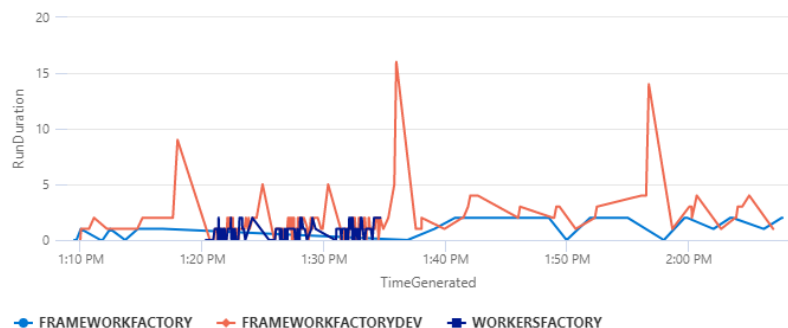
Data factory

WorkersFactory

Data factory

Pipeline Durations

procfwkloganalytics



FrameworkMetadat...

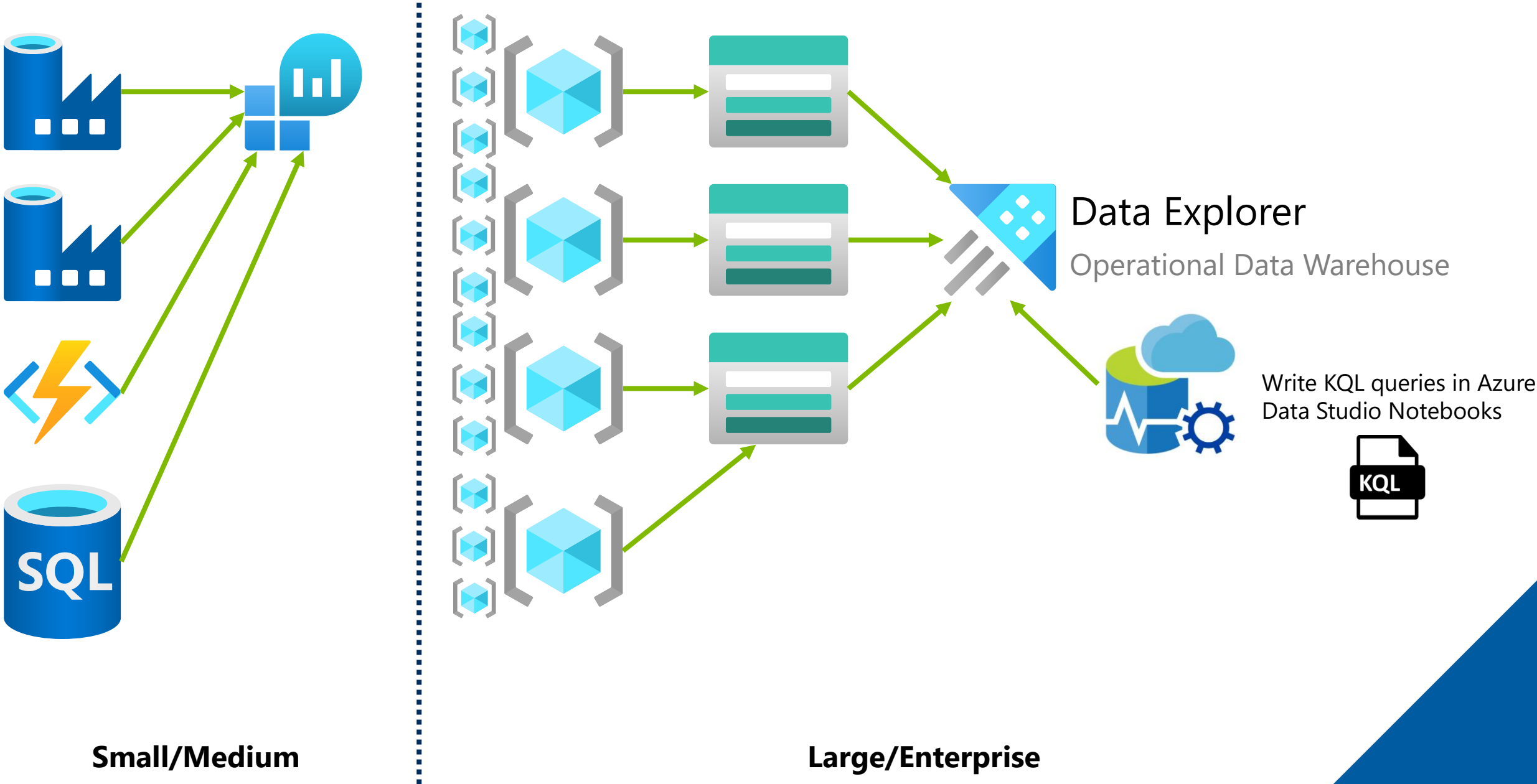
SQL database
Online



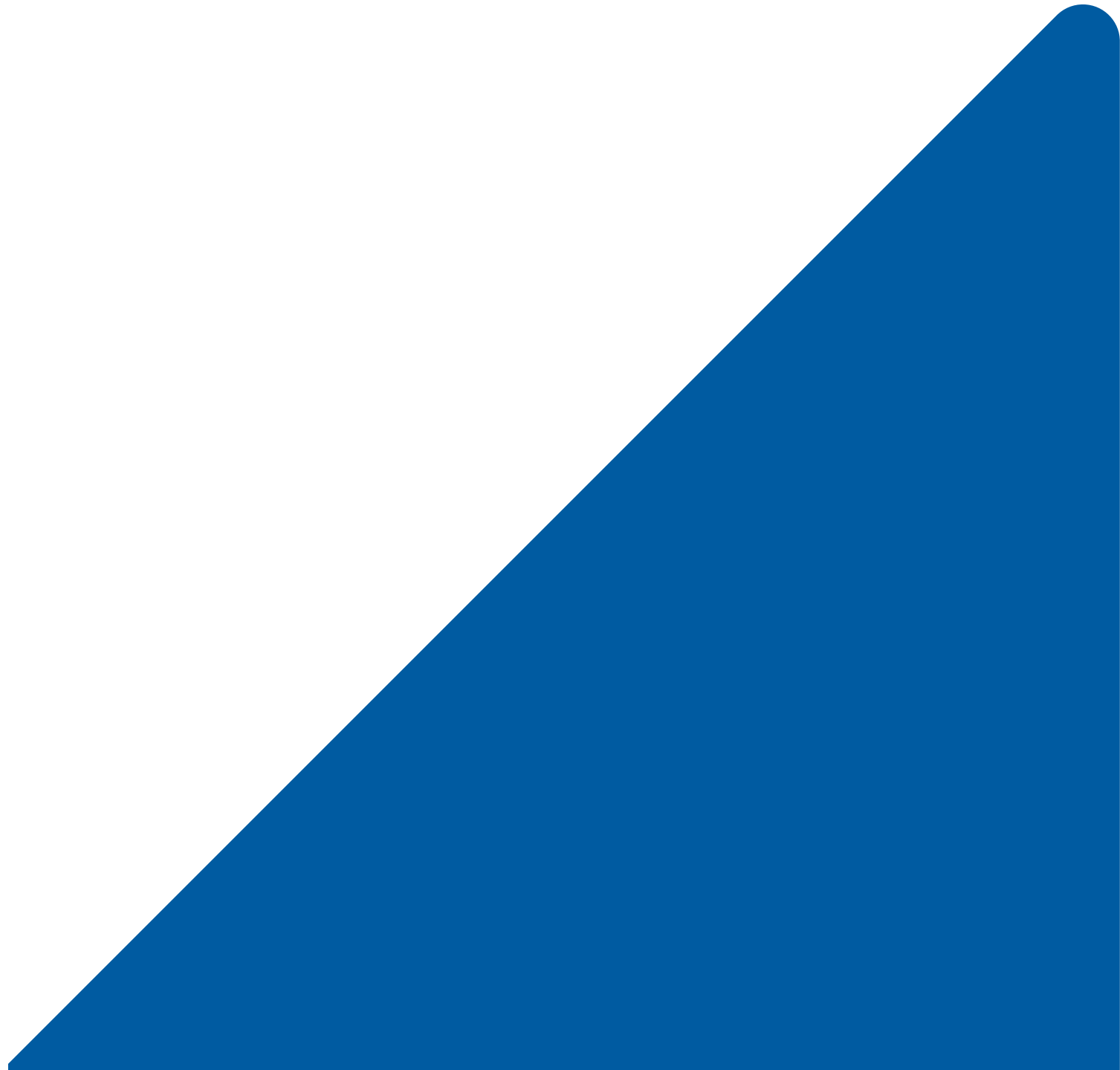
Compute utilization



Using Data Explorer

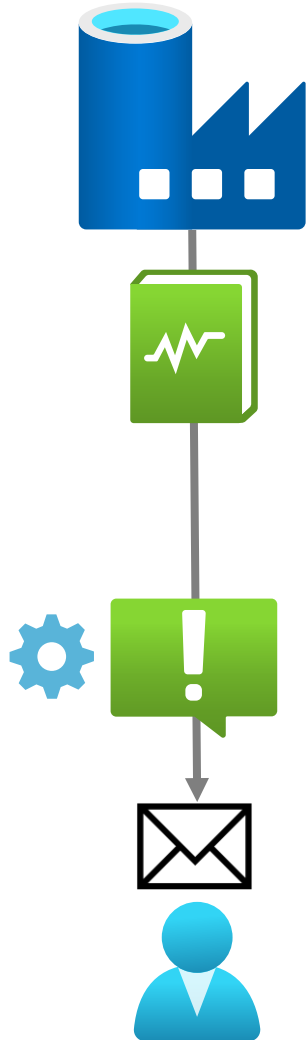


Alerting



Alerting Options

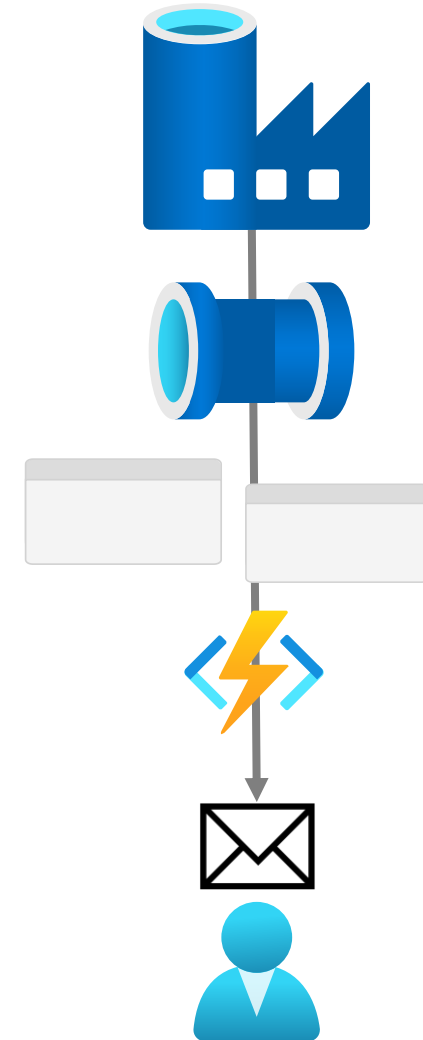
Data Factory Defaults



Custom Queries



Custom Built Into Pipelines

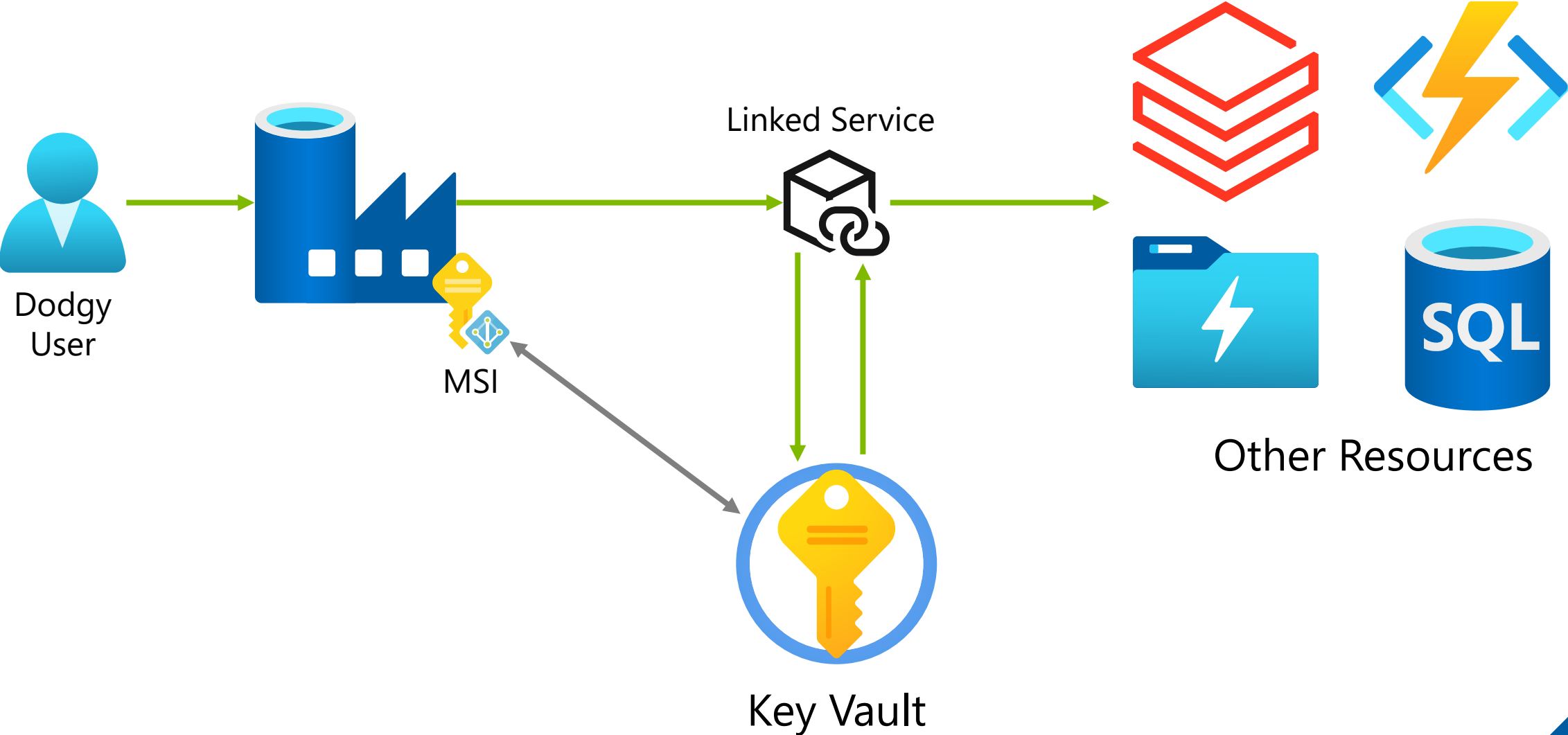




Using *Azure* Key Vault

A large, solid blue shape that starts as a diagonal line from the bottom left and curves upwards to the right, ending in a rounded corner at the top right of the slide.

Key Vault Interaction



Access & Permissions

A large, solid blue shape that starts as a diagonal line from the bottom-left and extends towards the top-right, filling the right side of the slide.



<https://portal.azure.com>



PaulsFunFactory



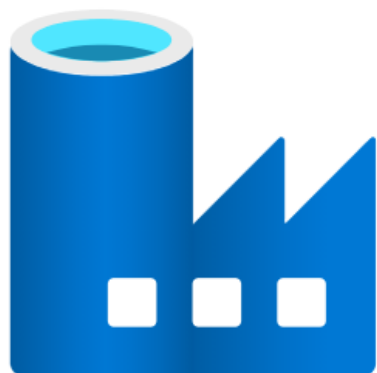
Documentation



Author & Monitor



<https://adf.azure.com>



Select Data Factory

Microsoft Azure Data Factory is a cloud-based data integration service that automates data movement and transformation. [Learn more](#)

Azure Active Directory *



mrpaulandrew



Subscription

Microsoft Azure Sponsorship



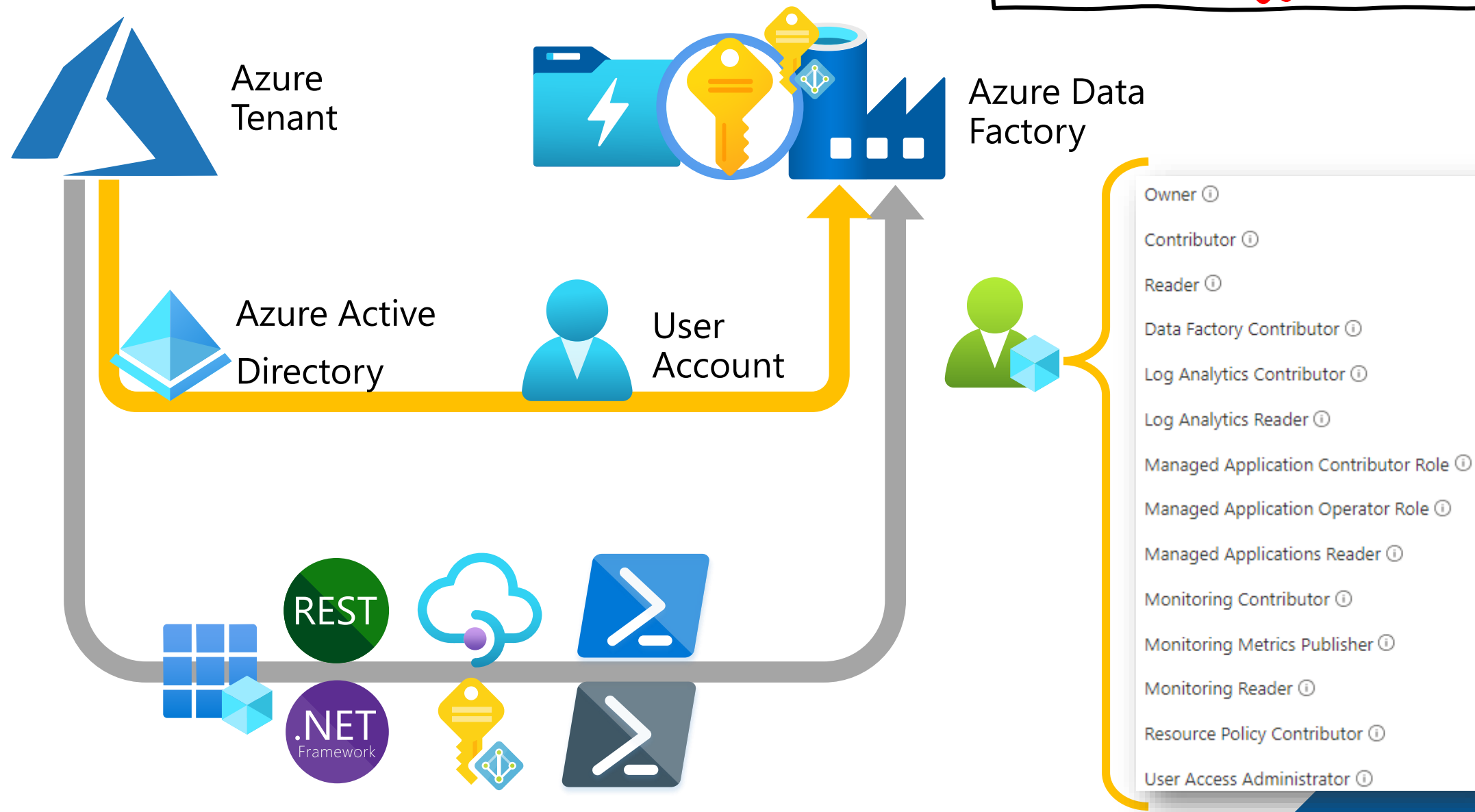
Data Factory name *



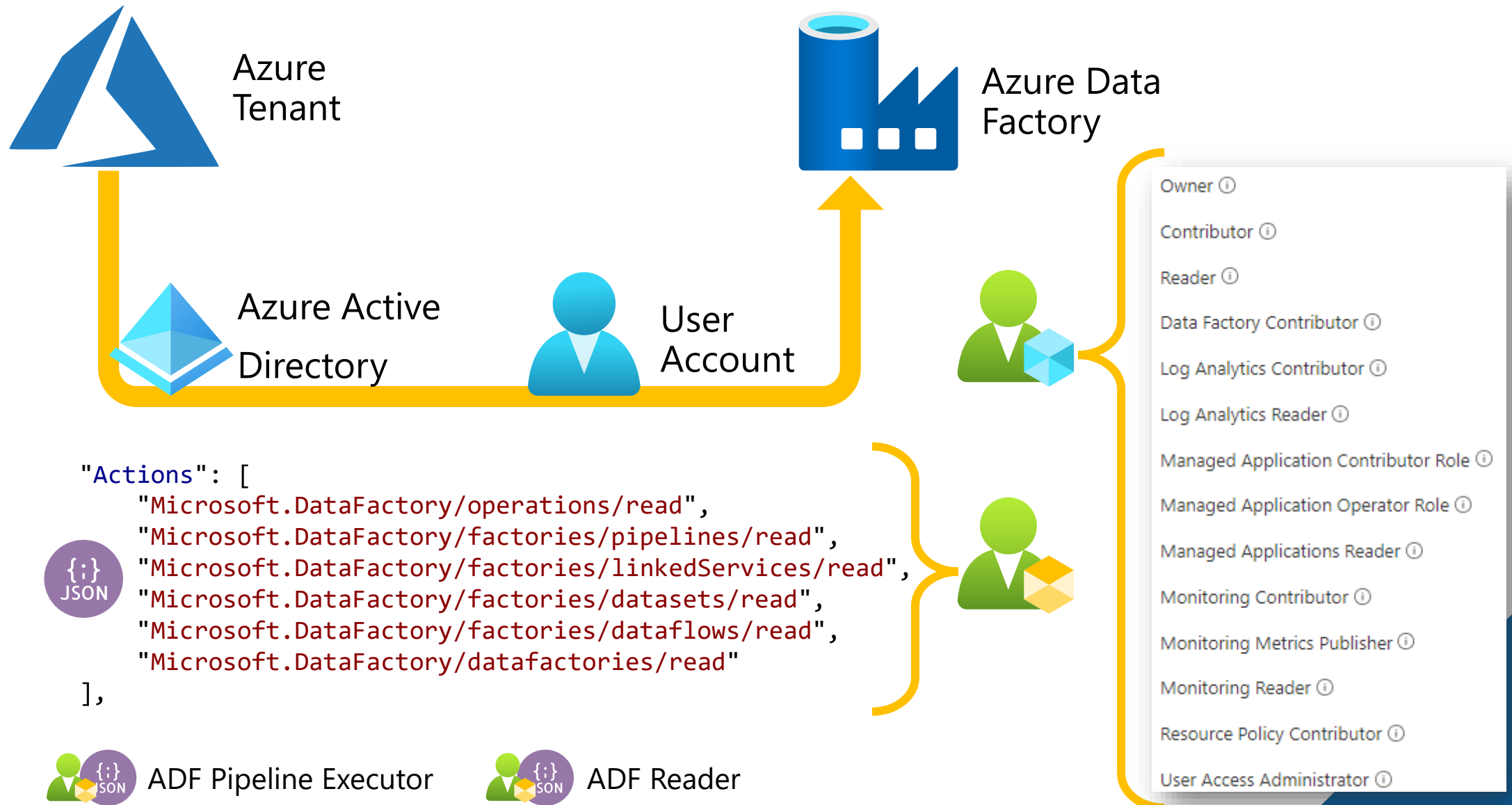
Continue

Accessing Data Factory

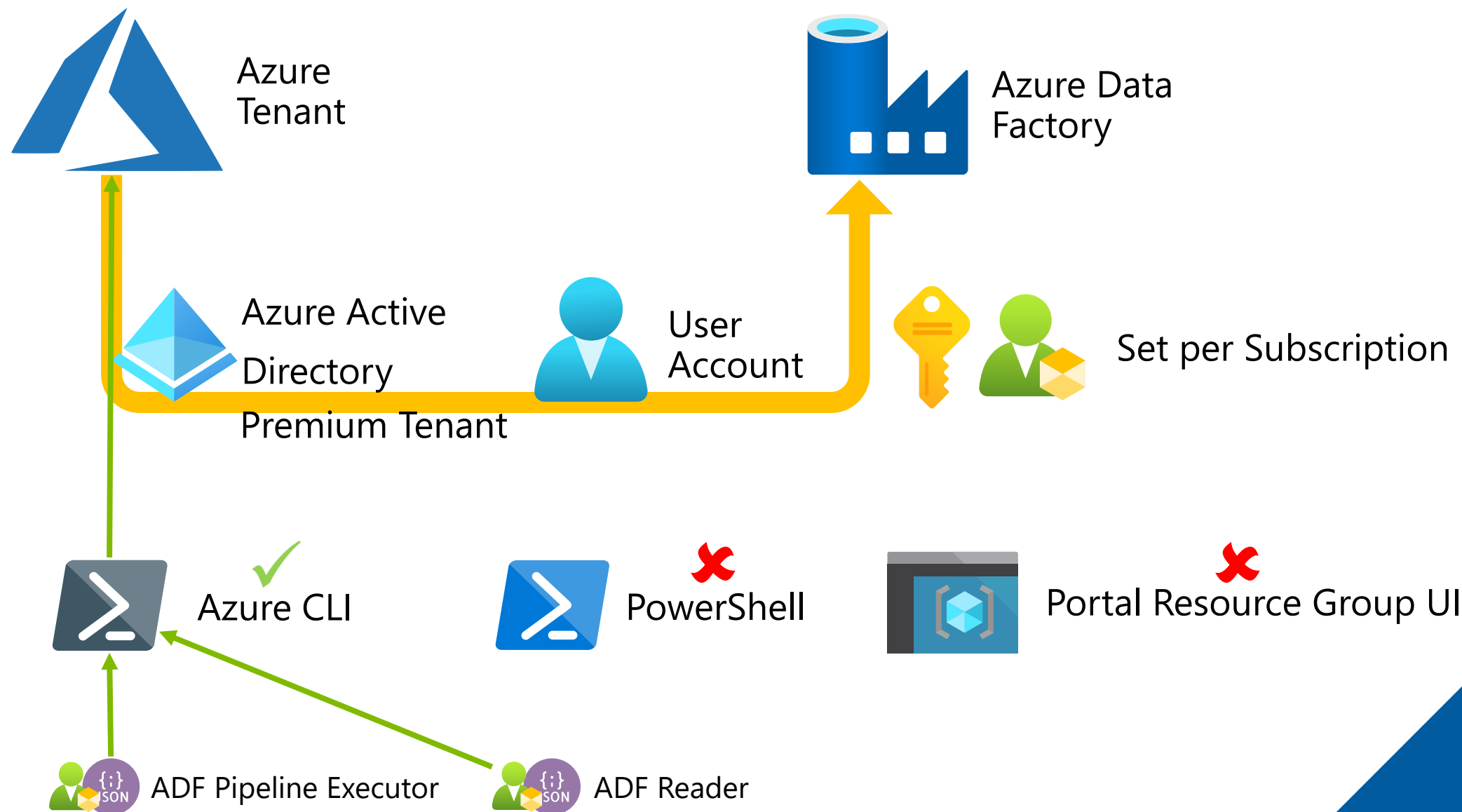
Linked Service Administrator ✖
Pipeline Executor ✖
Dataset Reader ✖



Accessing Data Factory – Custom Roles



Accessing Data Factory – Custom Roles



Module 6:

Monitoring Alerting Security

🔊 Logging - Kusto Queries



🔊 Alerting



🔊 Using Azure Key Vault



🔊 Access & Permissions

