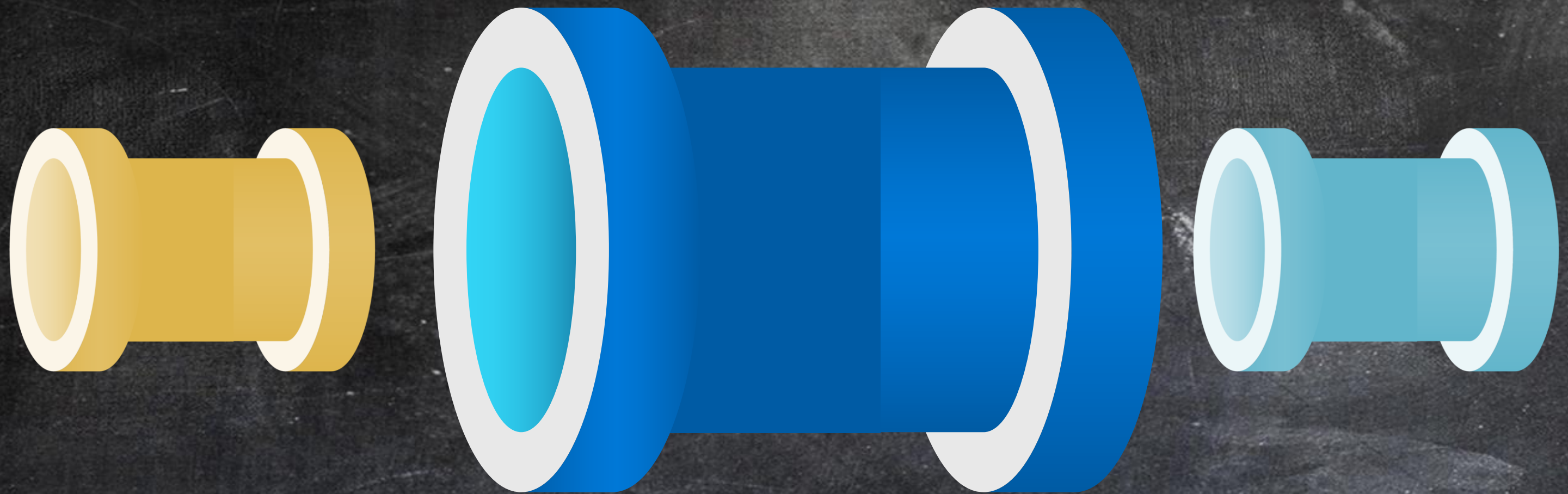


Integration Pipelines



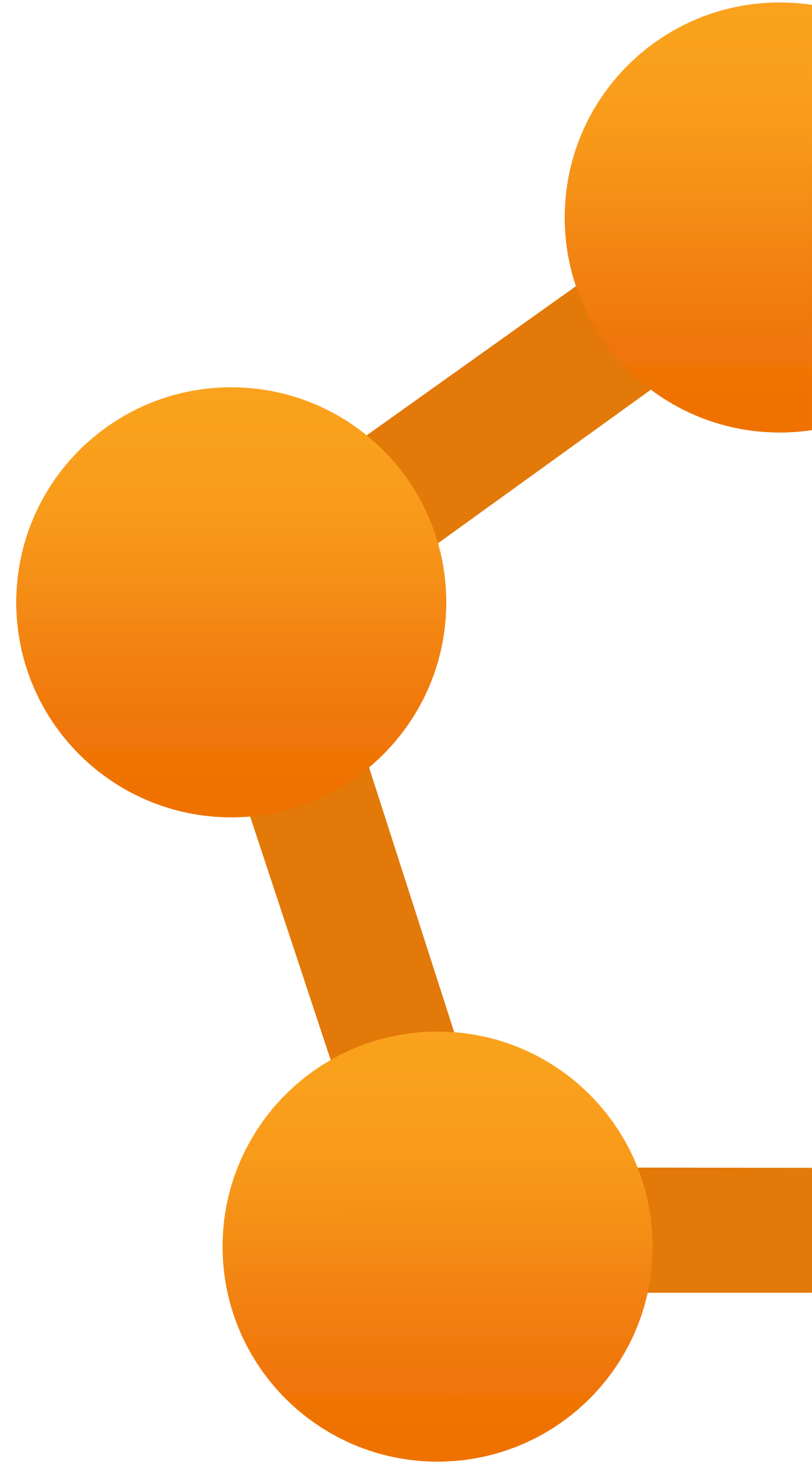
Module 9 – Monitoring & Alerting

Studio Monitoring

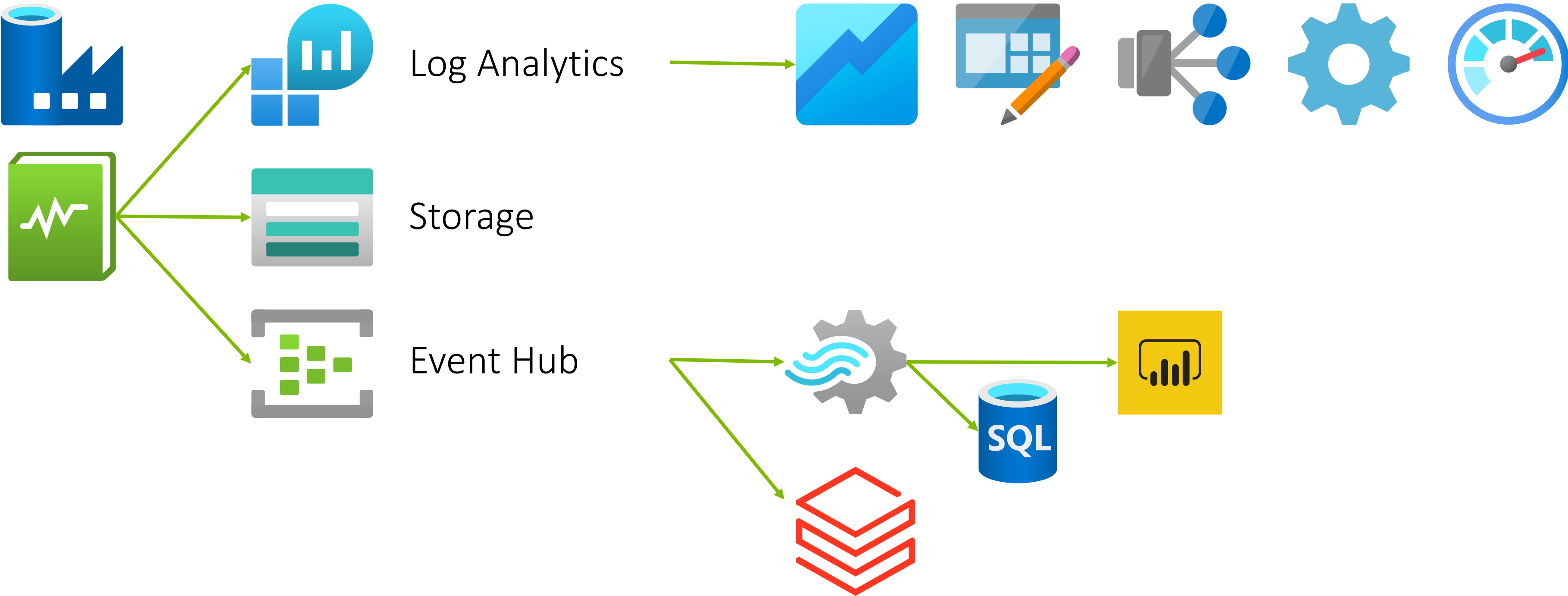
Log Analytics & Kusto Queries

Operational Dashboards

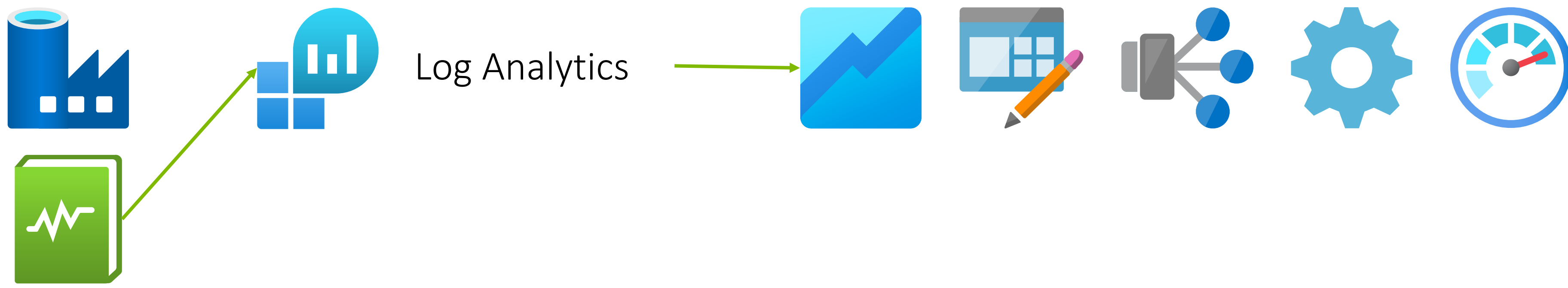
Cloud Formations



Diagnostic Settings

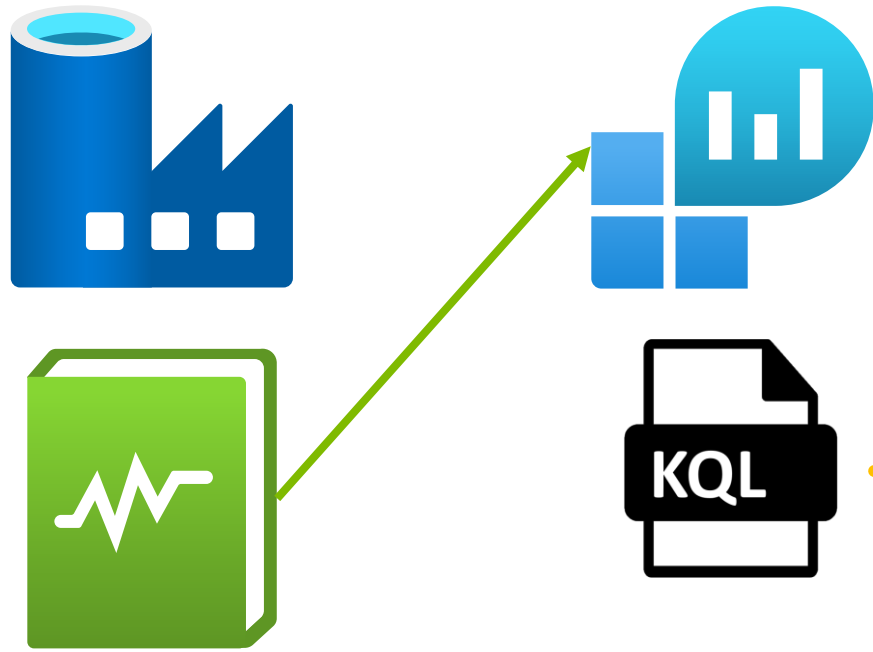


Diagnostic Settings



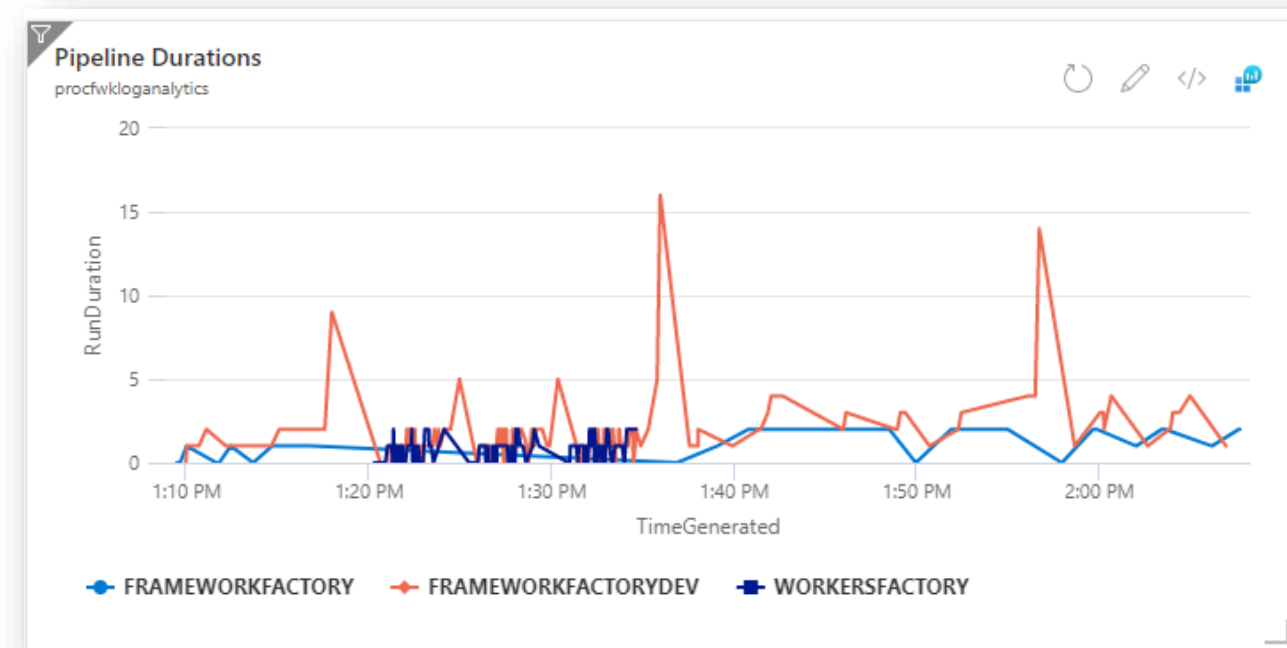


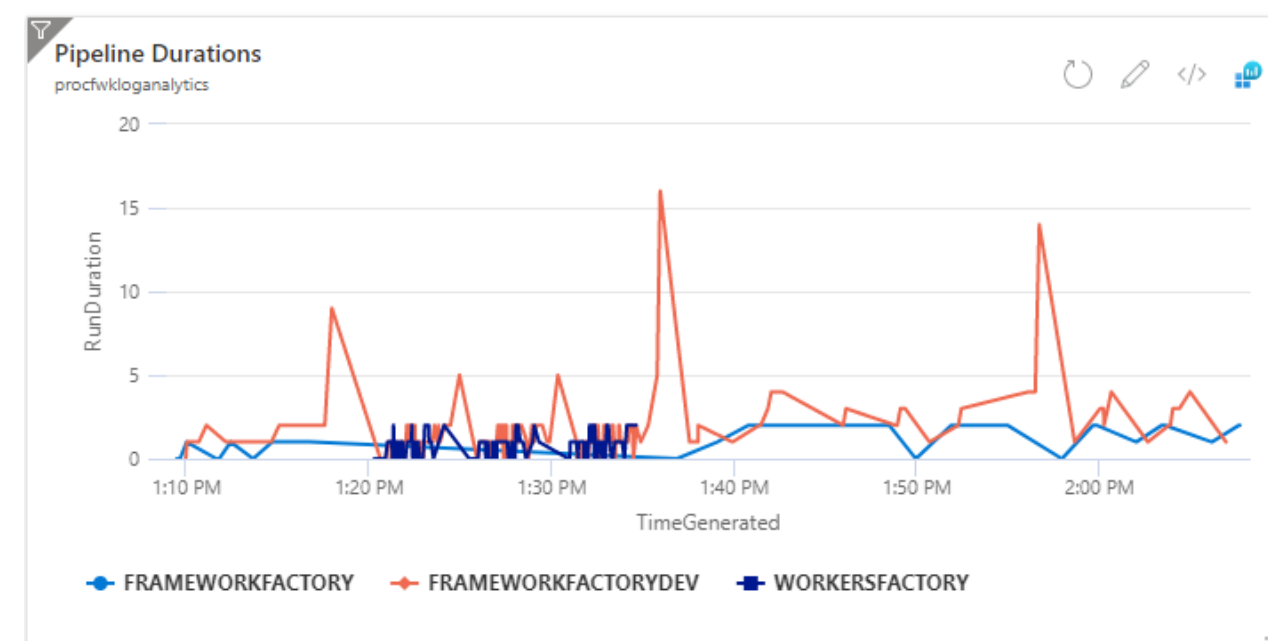
Using Log Analytics



```
ADFPipelineRunDurations
| project
    TimeGenerated,
    Start,
    End,
    ['DataFactory'] = substring(ResourceId, 121, 100),
    Status,
    PipelineName,
    Parameters,
    ["RunDuration"] = datetime_diff('Minute', End, Start)

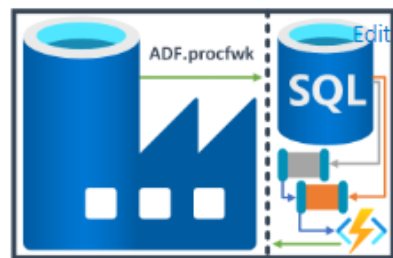
| where
    TimeGenerated > ago(1h)
    and Status !in ('InProgress', 'Queued', 'Cancelling')
```







Monitoring Dashboard 1



Resources and Content

Edit

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

FrameworkSupportF...

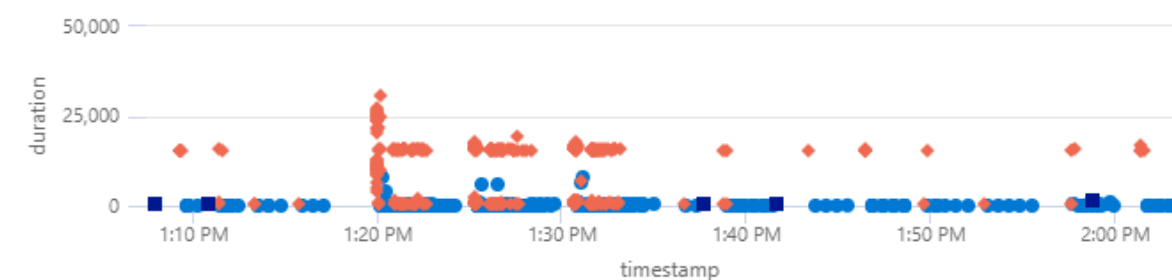
Function App

Running



Function Call Durations

ProcFwkAppInsights



● CheckPipelineStatus ● ExecutePipeline ■ SendEmail

ProcFwkAppInsights

Application Insights



procfwkloganalytics

Workspace



FrameworkFactor

Data factory

FrameworkFactor

Data factory

FrameworkFactor

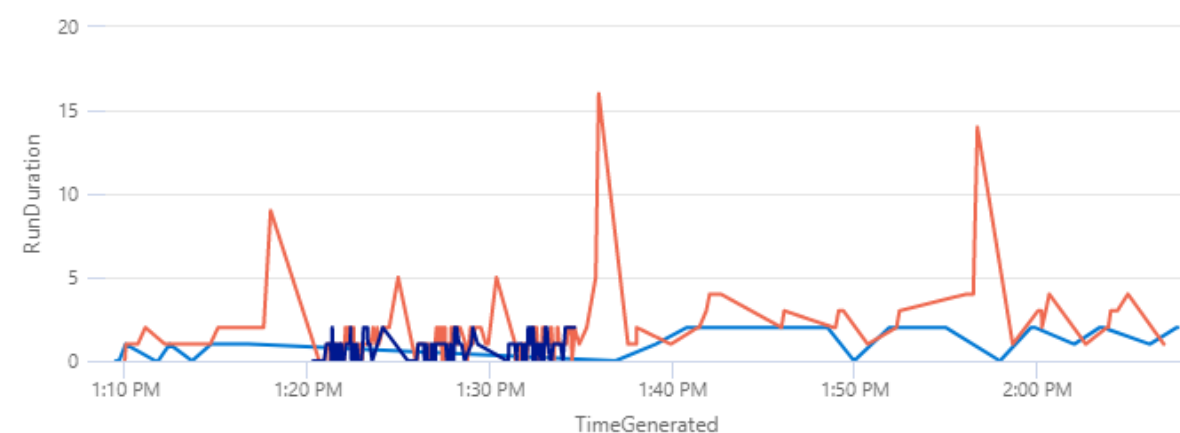
Data factory

WorkersFactory

Data factory

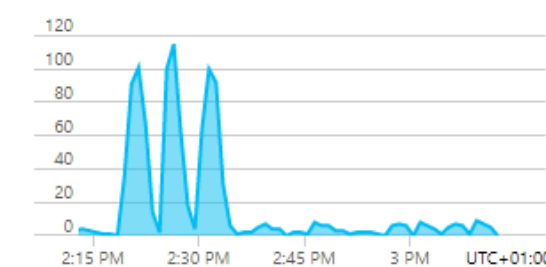
Pipeline Durations

procfwkloganalytics



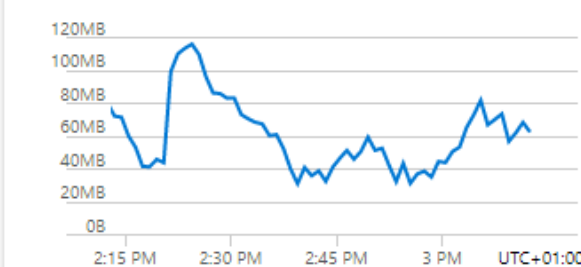
● FRAMEWORKFACTORY ● FRAMEWORKFACTORYDEV ■ WORKERSFACTORY

Server requests



Server requests (Count)
procfwkappinsights
1.06 k

Memory working set



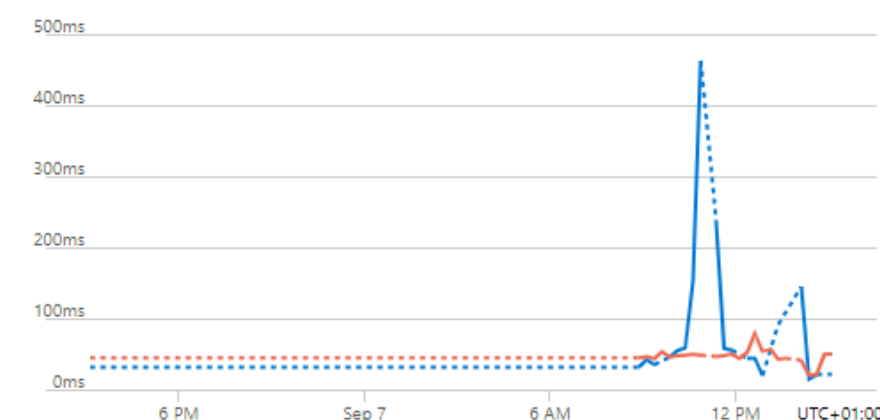
Memory working set (Sum)
frameworksupportfunctions
62.09 MB

FrameworkKeys

Key vault



Average latency



auxiliary
frameworkkeys
45.45 ms

secret
frameworkkeys
33.57 ms

FrameworkMetadat...

SQL database

Online



Compute utilization



DTU percentage (Max)
platformsupport01/frameworkmetadatadev
13 %

Resources

ADF.procfwk

ProcFwkLogAnalytics

FrameworkFactory

FrameworkFactoryDev

FrameworkKeys

platformsupport01

FrameworkMetadataDev (pl...

frameworksupportstore

frameworkstorage01

FrameworkSupportFunctions

FrameworkFactoryTest

WorkersFactory

frameworkonsynapse

UKSouthPlan

FrameworkMetadataTest (pl...

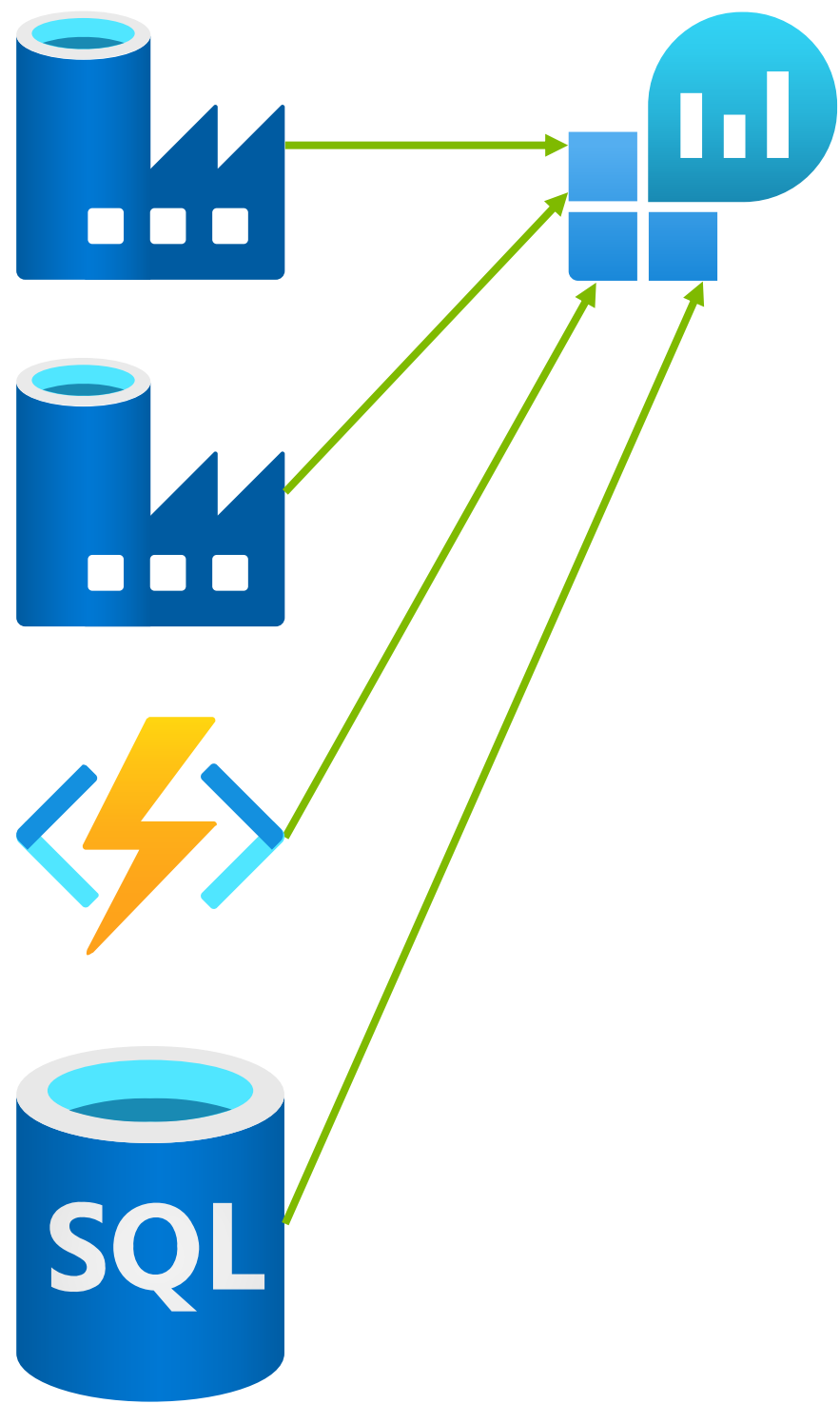
ProcFwkAppInsights

9a4fe00e-39d9-4ec8-8f88-5...

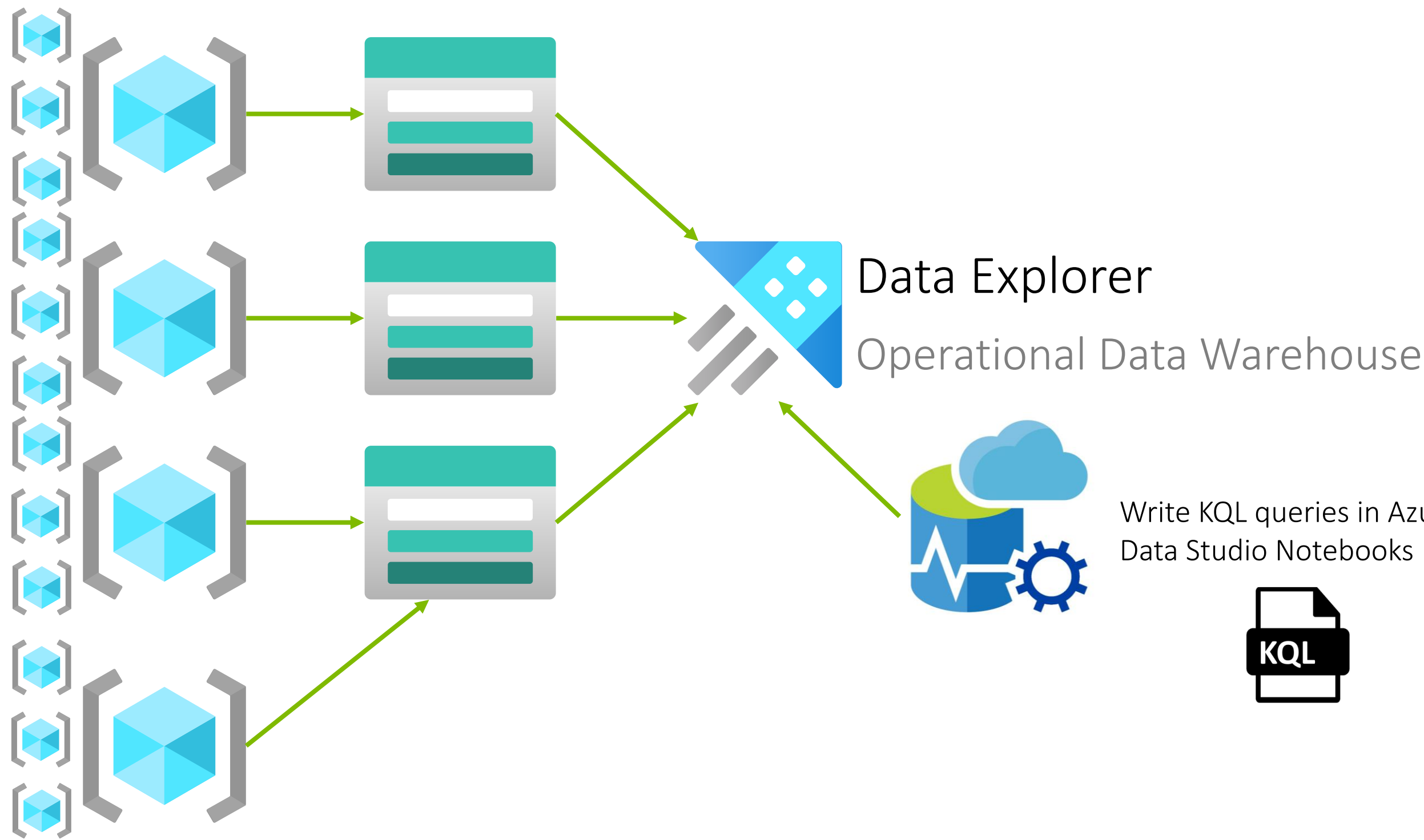
frameworkdatalake01

sqlvaexht4i7t63enw

Using Data Explorer



Small/Medium

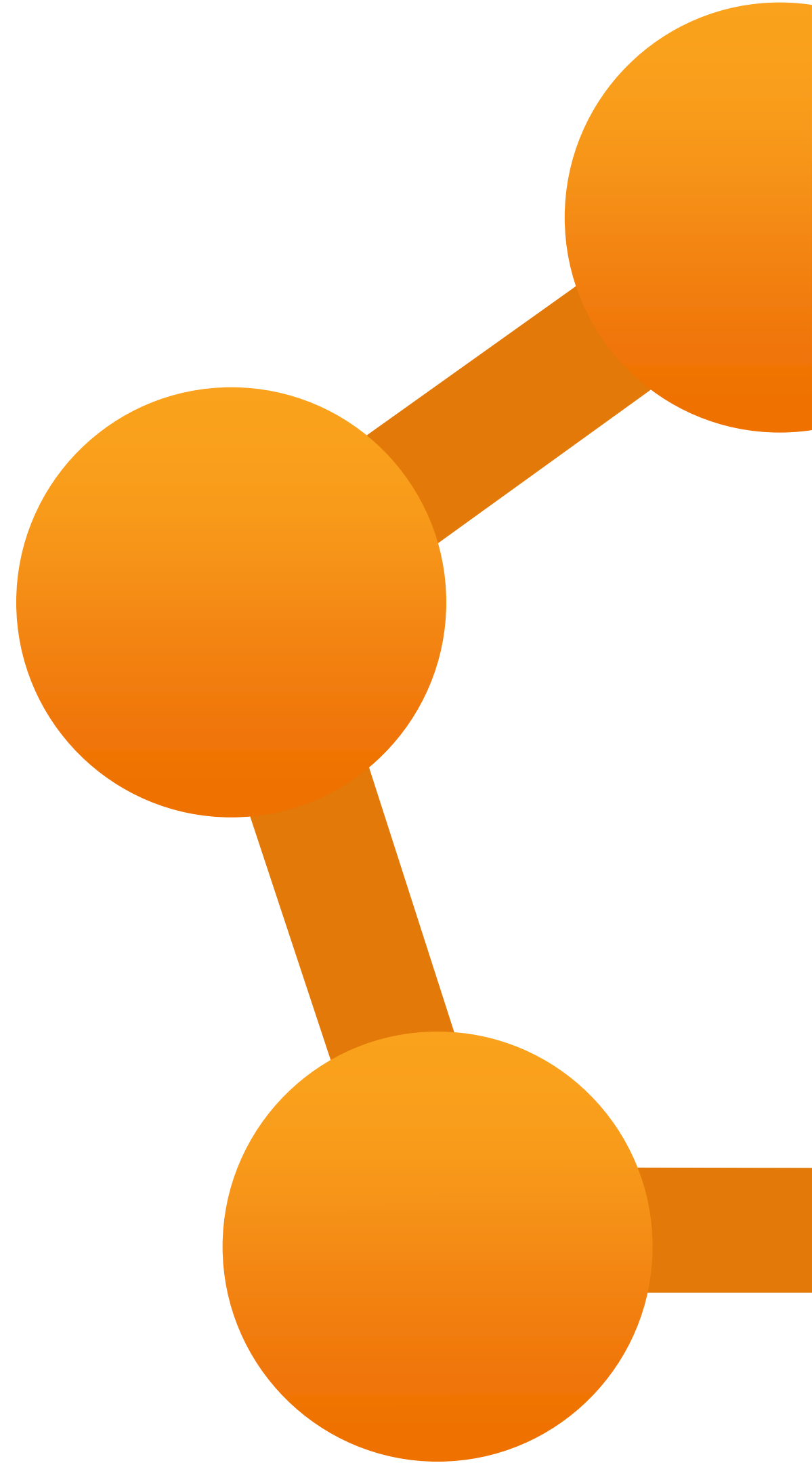


Large/Enterprise

Module 9 – Monitoring & Alerting

Alerting Options

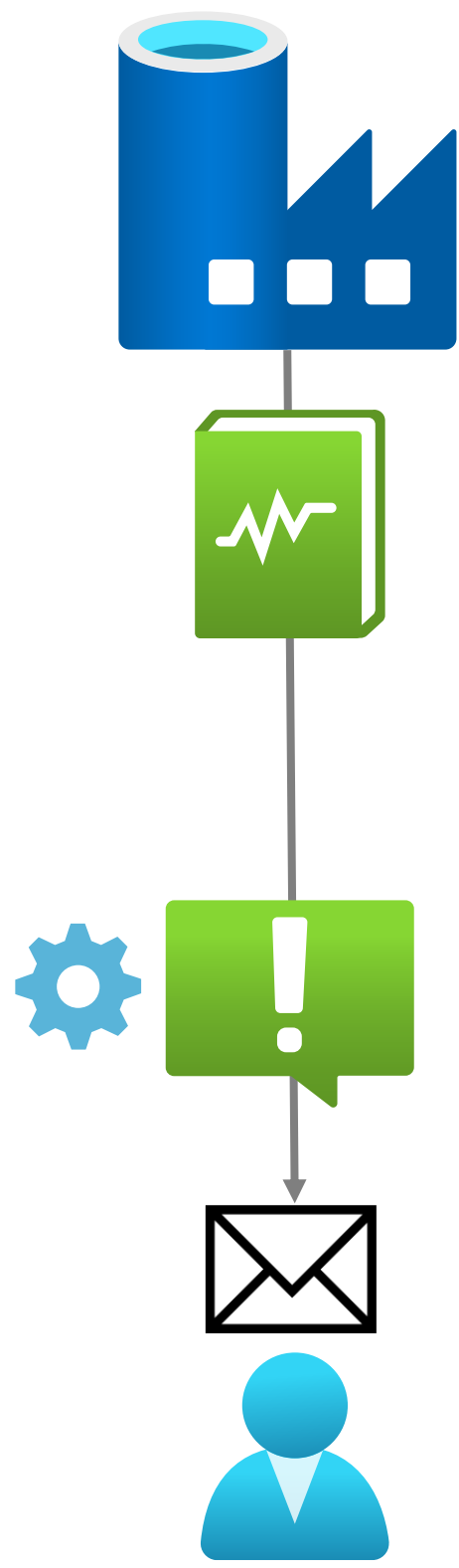
Cloud Formations



Alerting Options



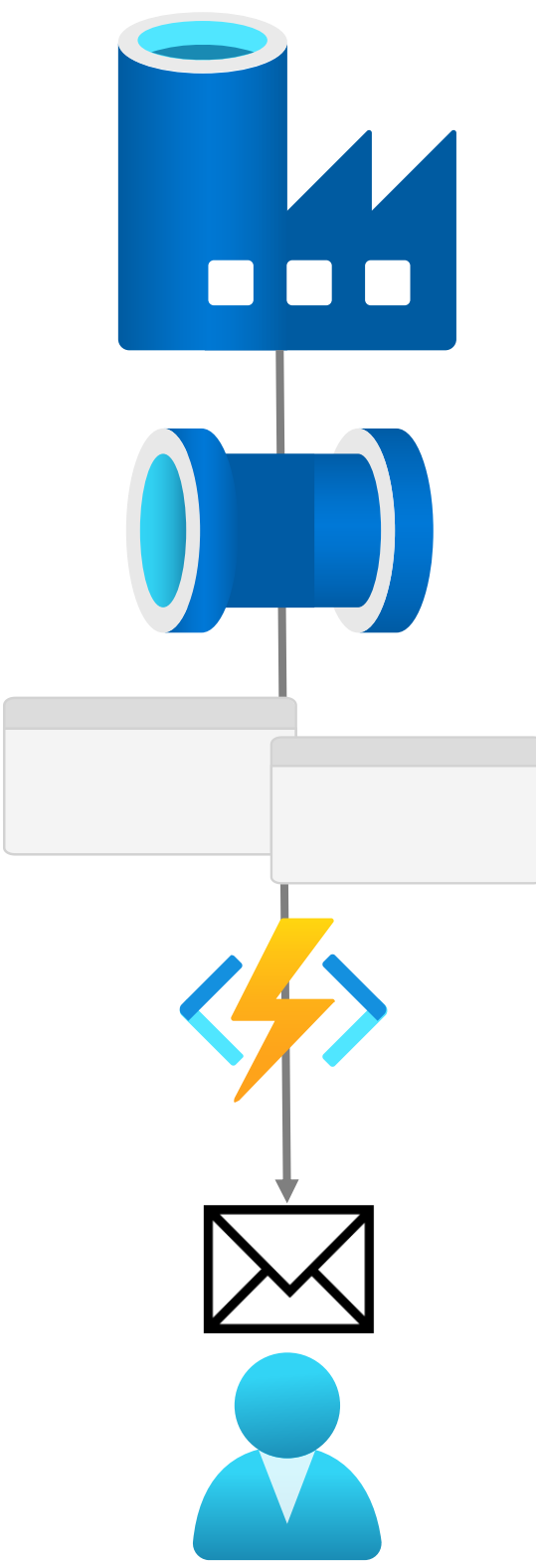
Data Factory Defaults



Custom Queries



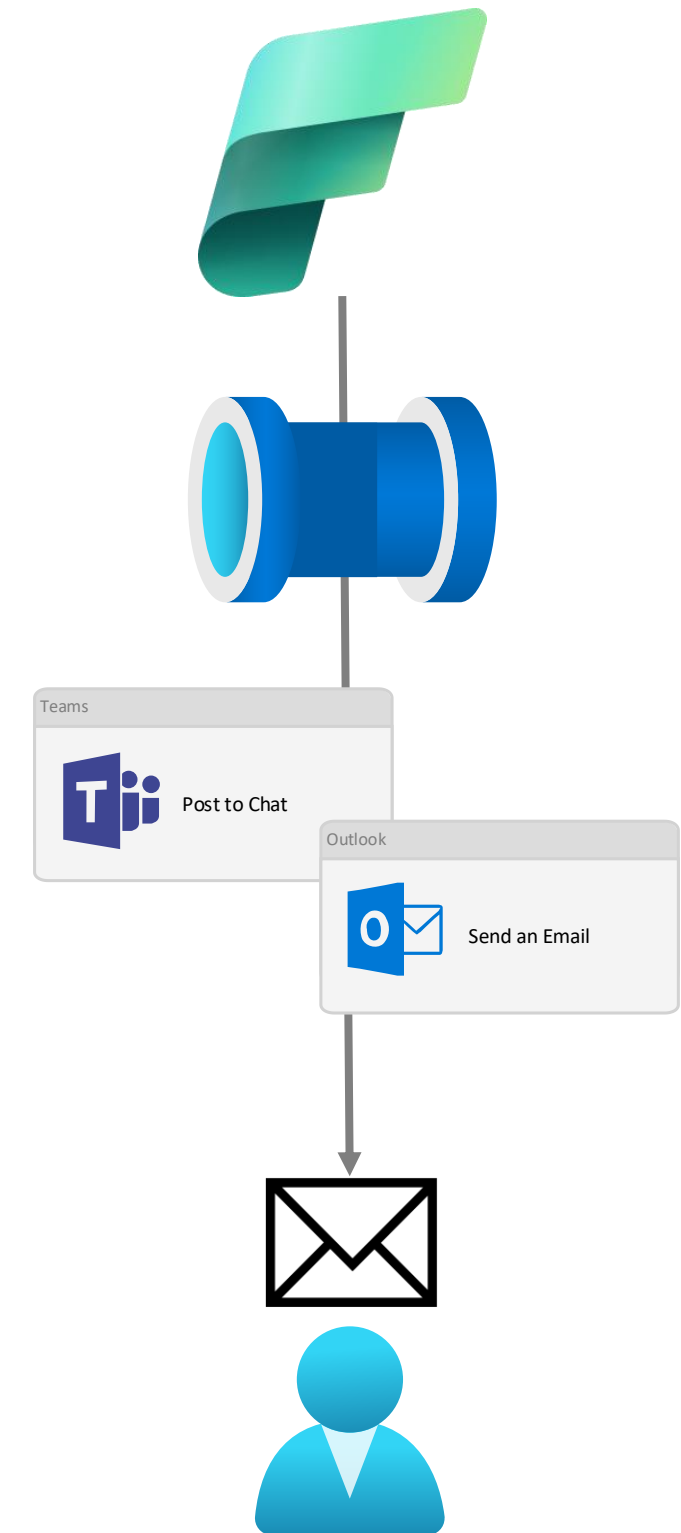
Custom Built Into Pipelines



Alerting Options



Custom Built Into Pipelines



Module 9

Monitoring & Alerting



Any questions?

Cloud Formations

