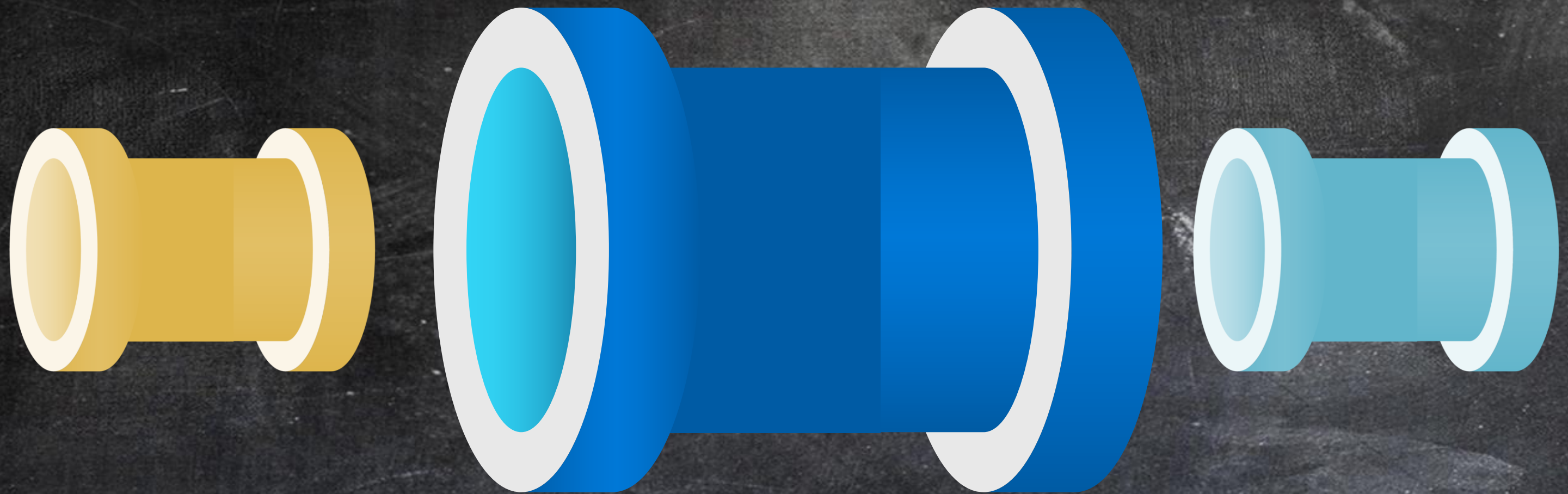


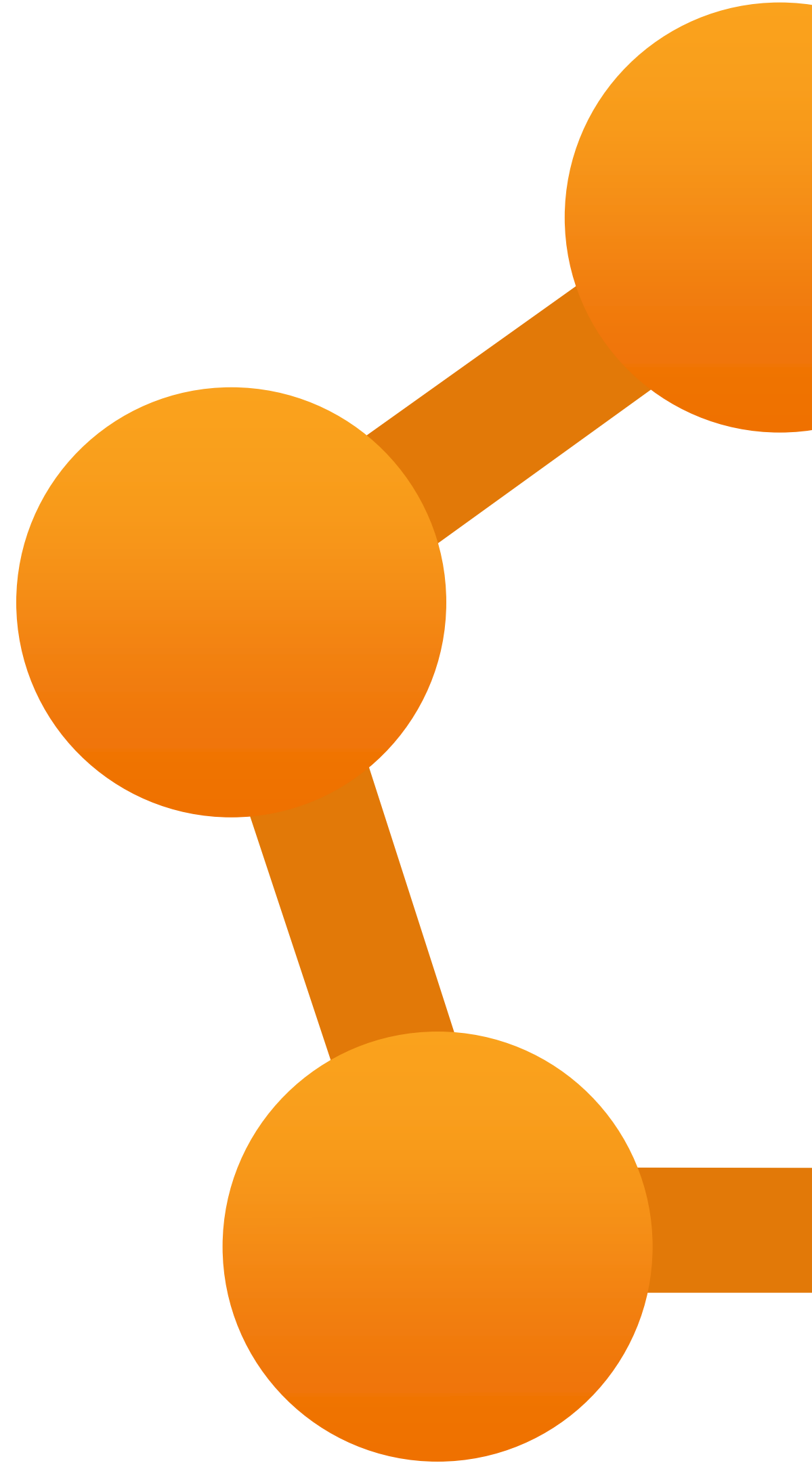
Integration Pipelines



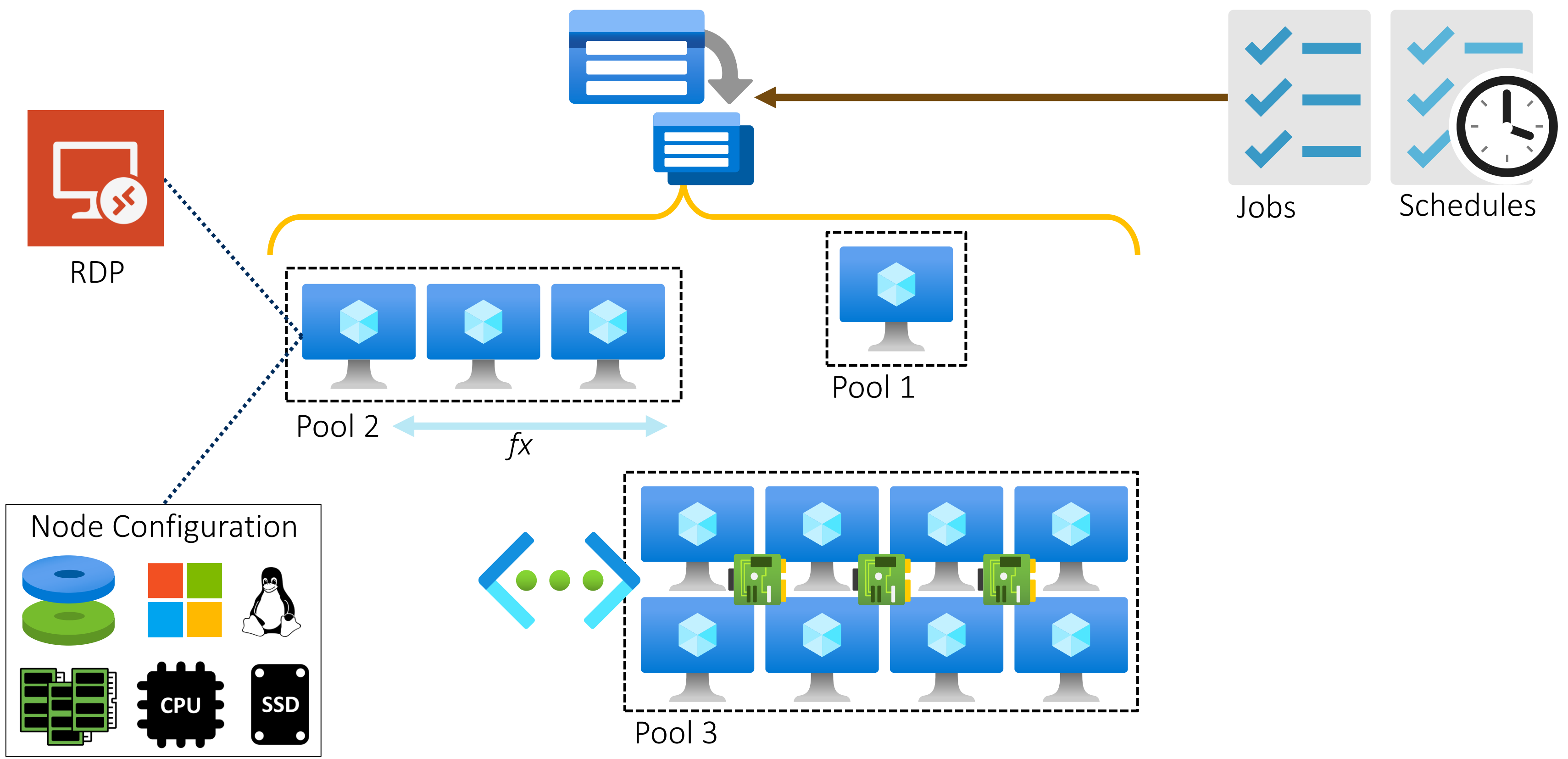
Module 5 – Pipeline Extensibility

Azure Batch Service

Cloud Formations



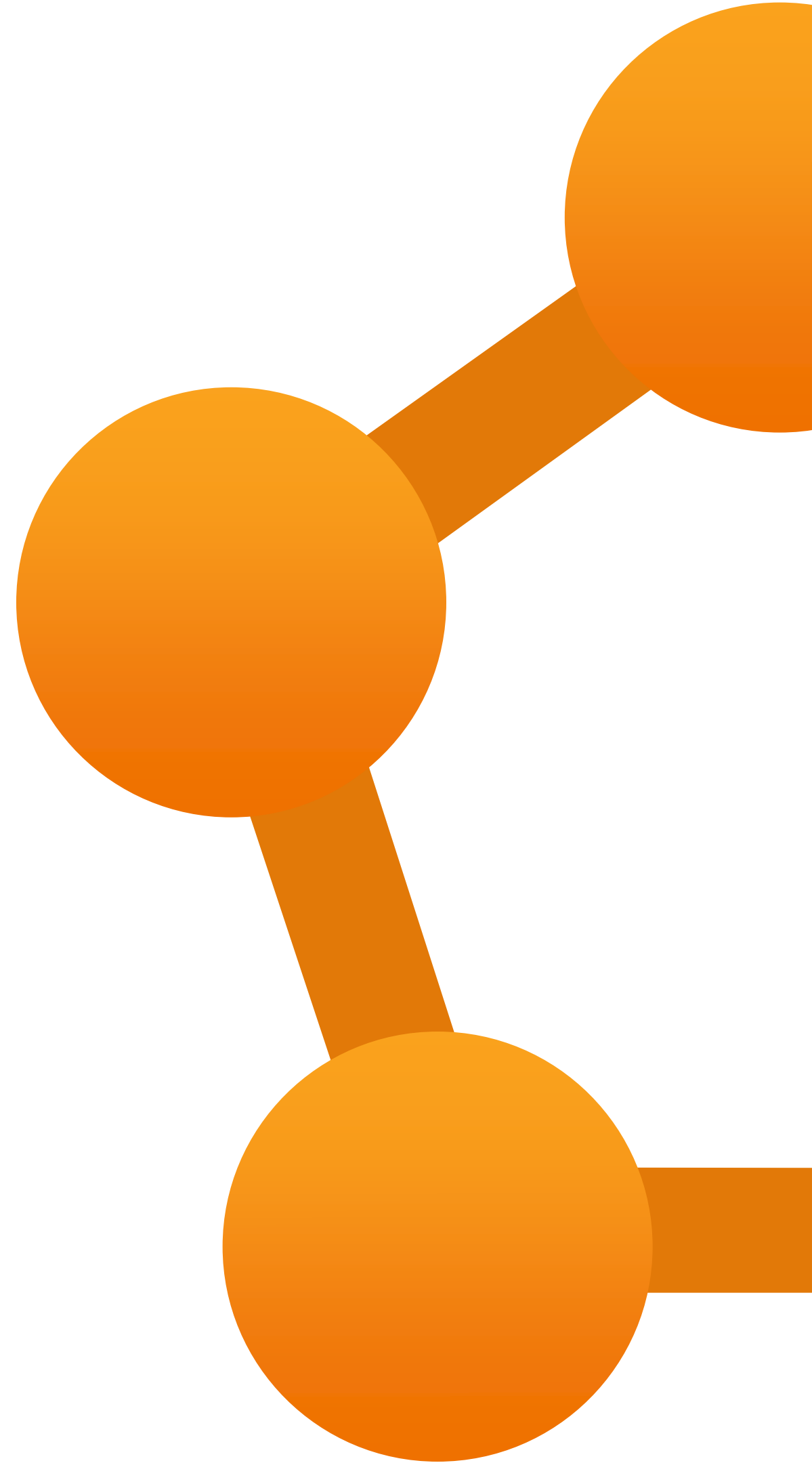
Azure Batch Service



Module 5 – Pipeline Extensibility

Custom Activities

Cloud Formations



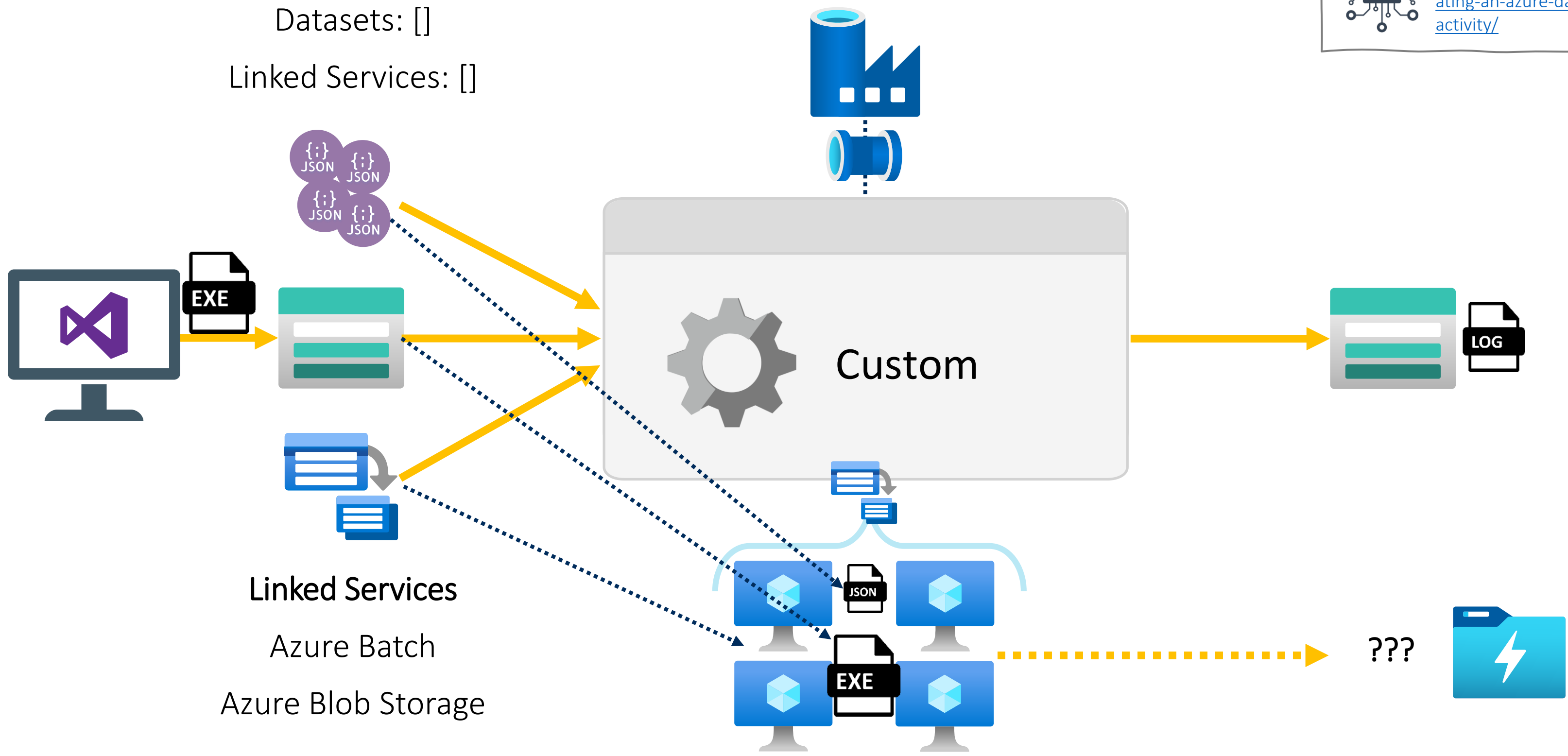


Extend Data Factory with Dedicated Scalable Compute and Custom Code

References Objects

Datasets: []

Linked Services: []





Creating a Custom Activity

<https://mrpaulandrew.com/2018/11/12/creating-an-azure-data-factory-v2-custom-activity/>

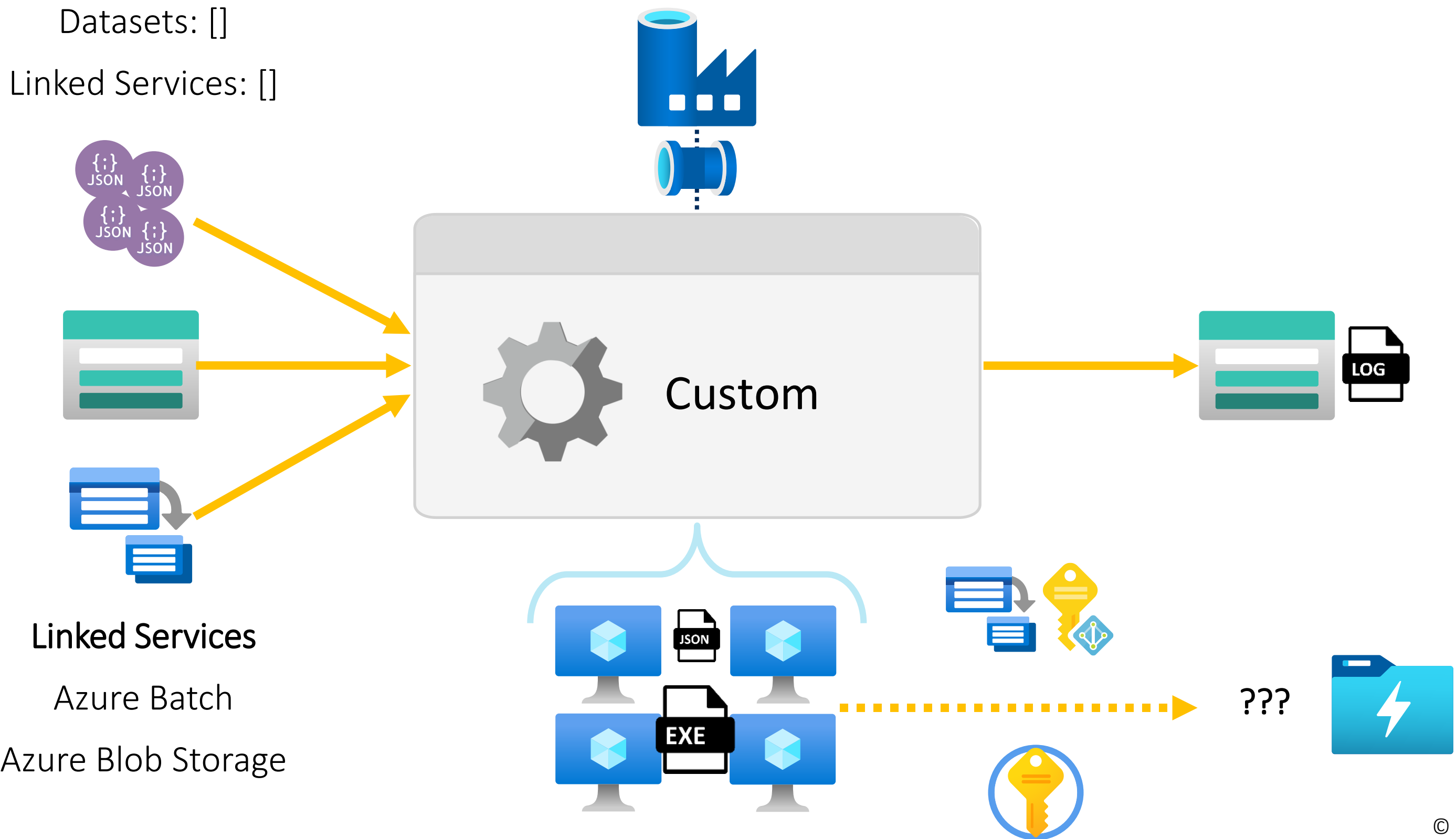


Extend Data Factory with Dedicated Scalable Compute and Custom Code

References Objects

Datasets: []

Linked Services: []



Linked Services

Azure Batch

Azure Blob Storage

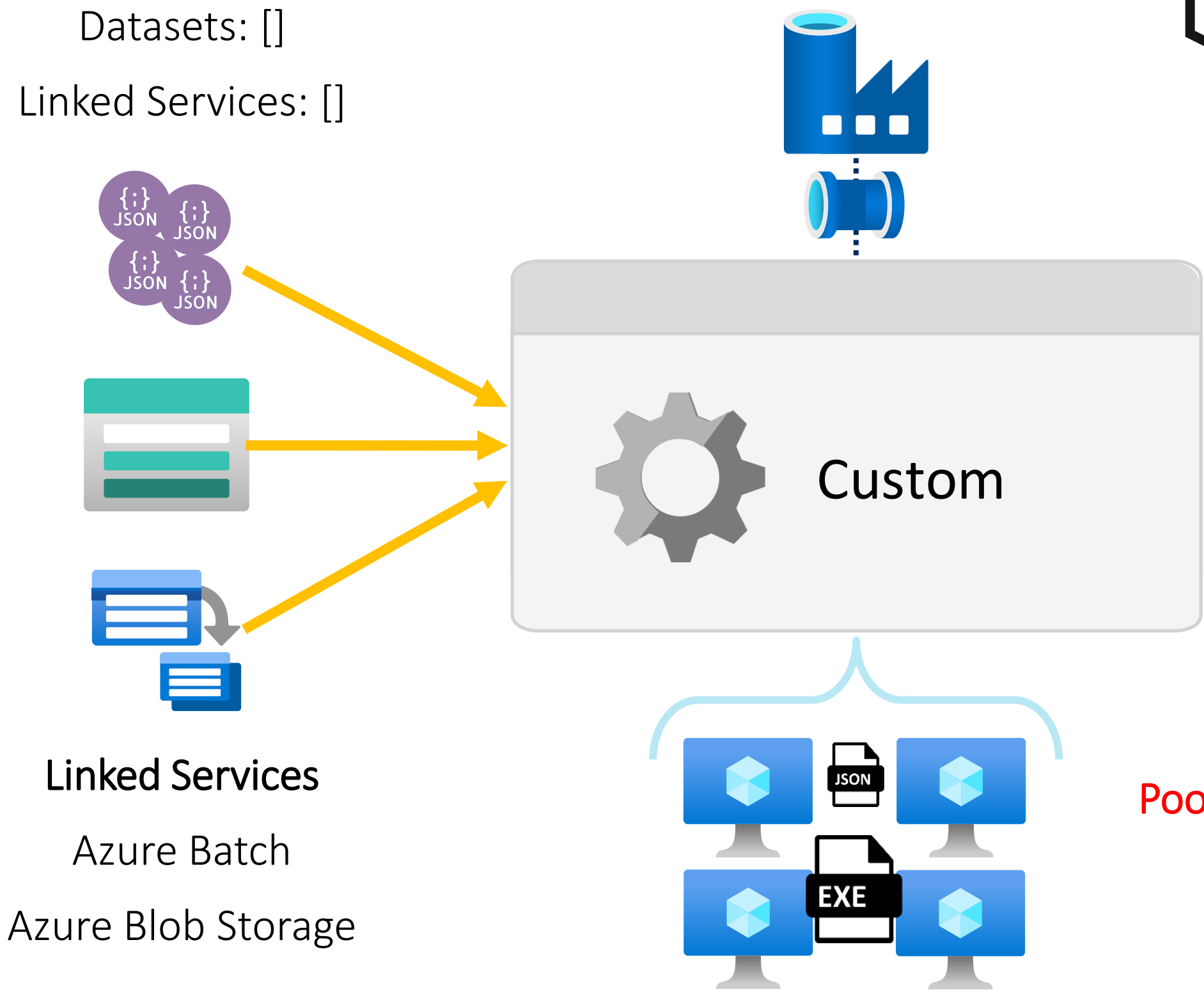


Extend Data Factory with Dedicated Scalable Compute and Custom Code

References Objects

Datasets: []

Linked Services: []



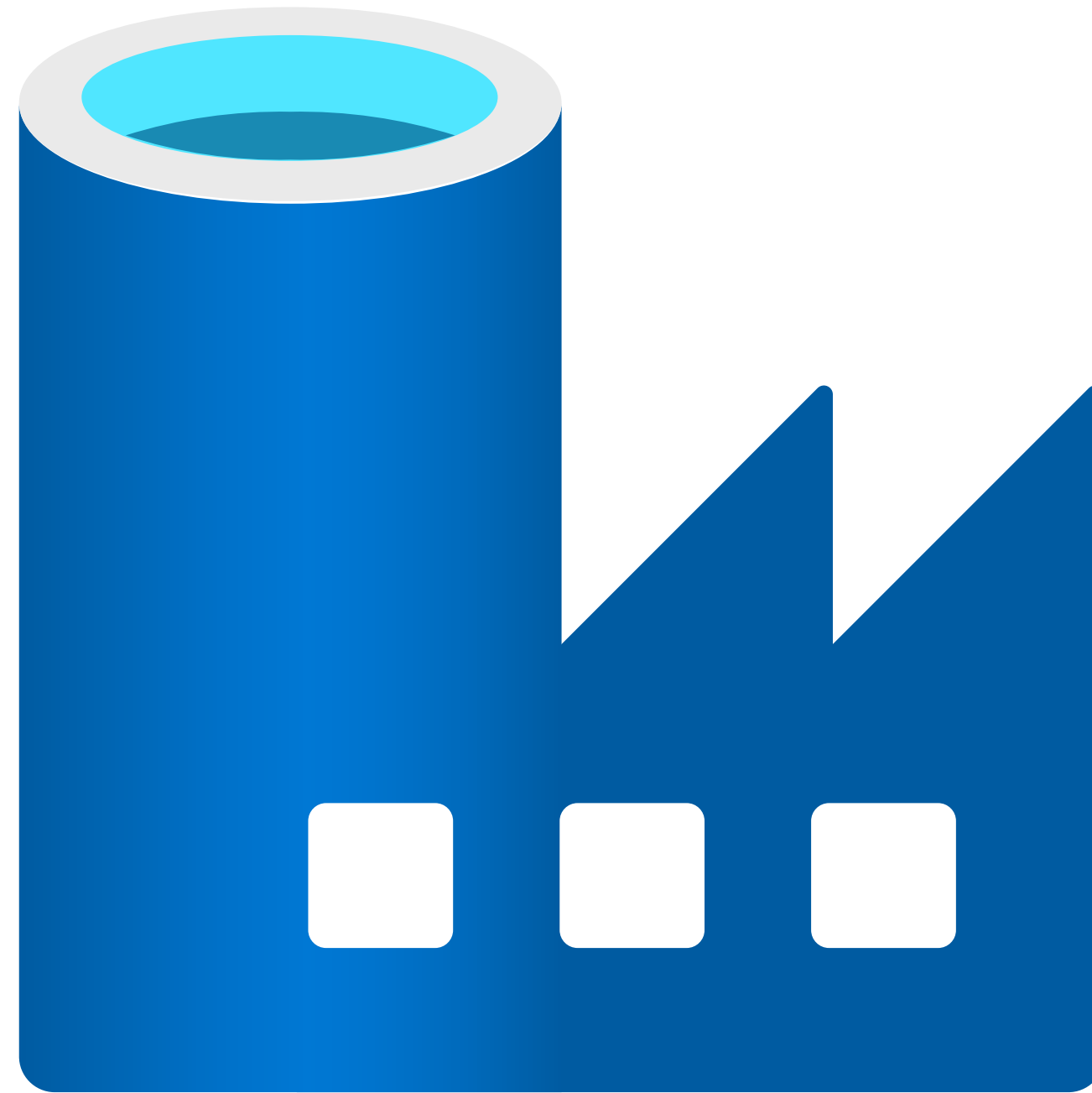
Linked Services

Azure Batch

Azure Blob Storage

The screenshot shows the 'New linked service' configuration page for Azure Batch. The 'Name' field is 'BatchForTraining01'. The 'Description' field is empty. The 'Connect via integration runtime' dropdown is set to 'AutoResolveIntegrationRuntime'. The 'Authentication method' dropdown is set to 'Managed Identity'. The 'Managed identity name' is 'TrainingFactoryDev' and the 'Managed identity object ID' is 'f818bfb8-5602-4e49-9bd5-81f3855cc81f'. The 'Account name' is 'batchfortraining01'. The 'Batch URL' is 'https://batchfortraining01.uksouth.batch.azure.com'. The 'Pool name' field is highlighted with a red rectangle. The 'Storage linked service name' dropdown is set to 'TrainingStore01'.

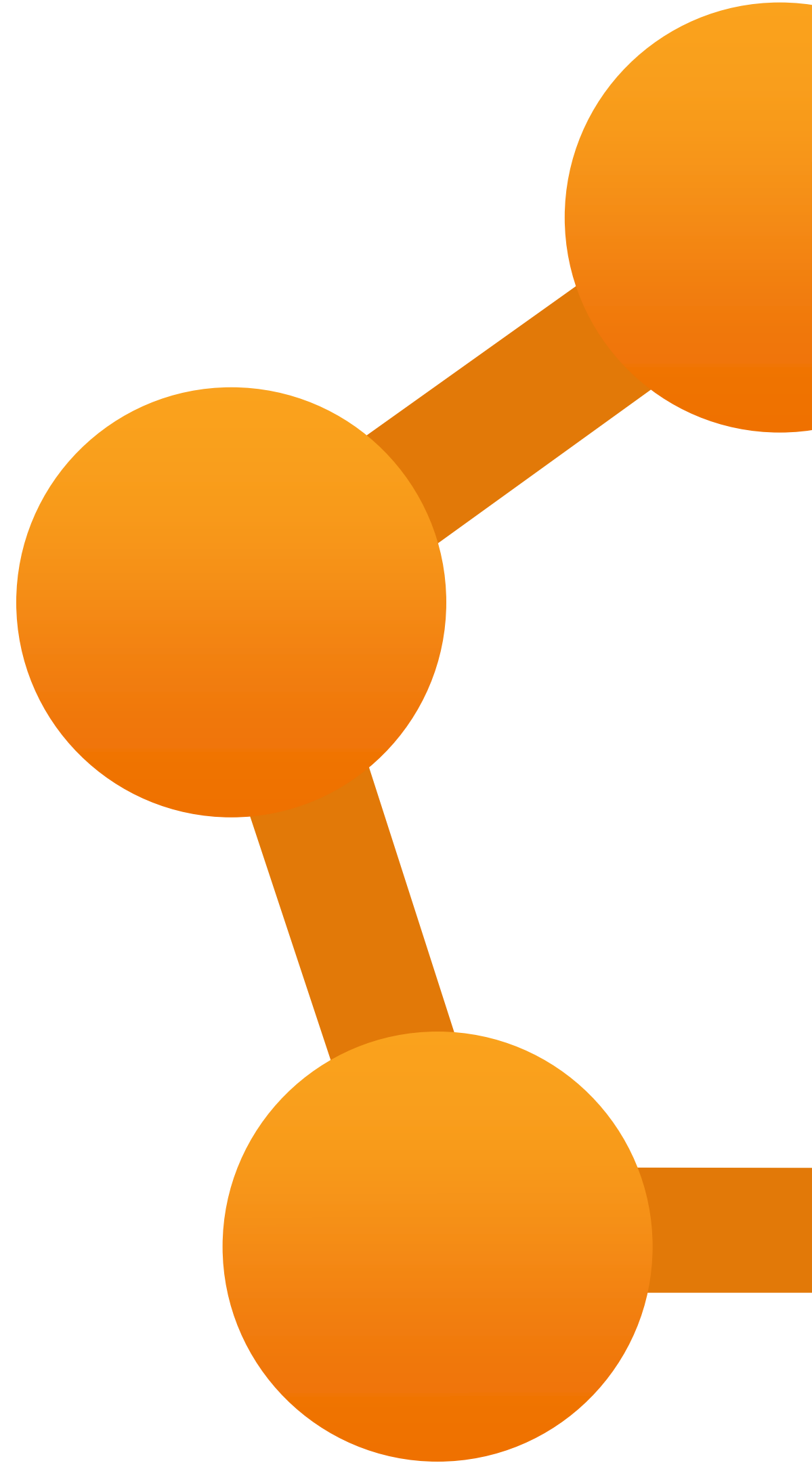
Pool ID



Module 5 – Pipeline Extensibility

Azure Management API

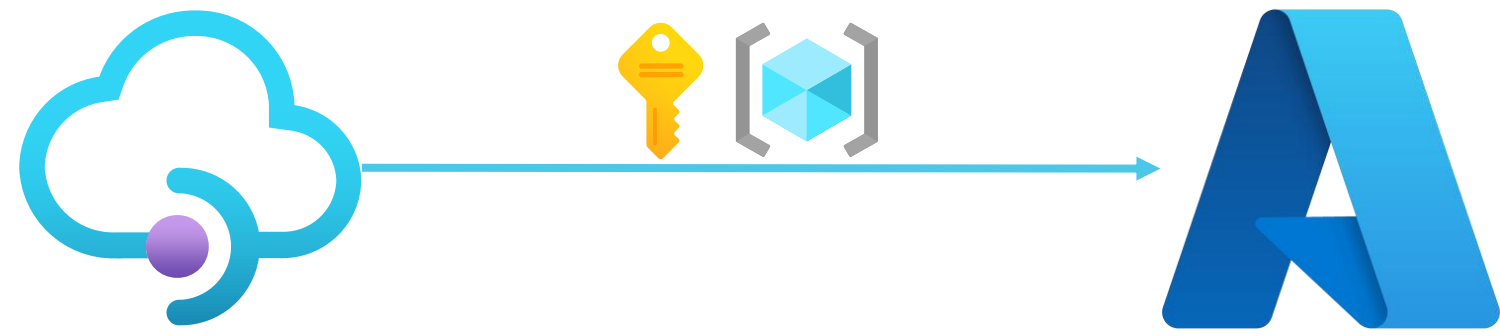
Cloud Formations



Management API's



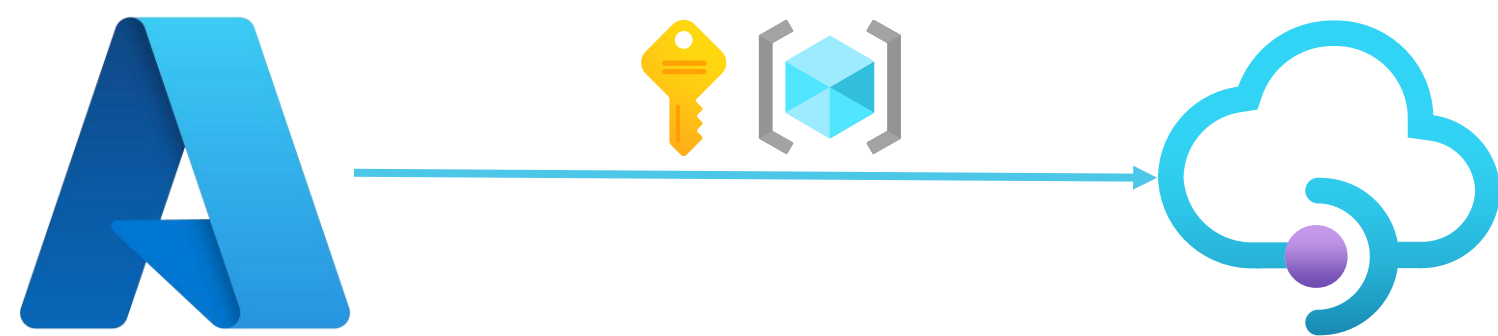
Azure Management API



Make REST calls to interface with your Azure Resources



Azure API Manager



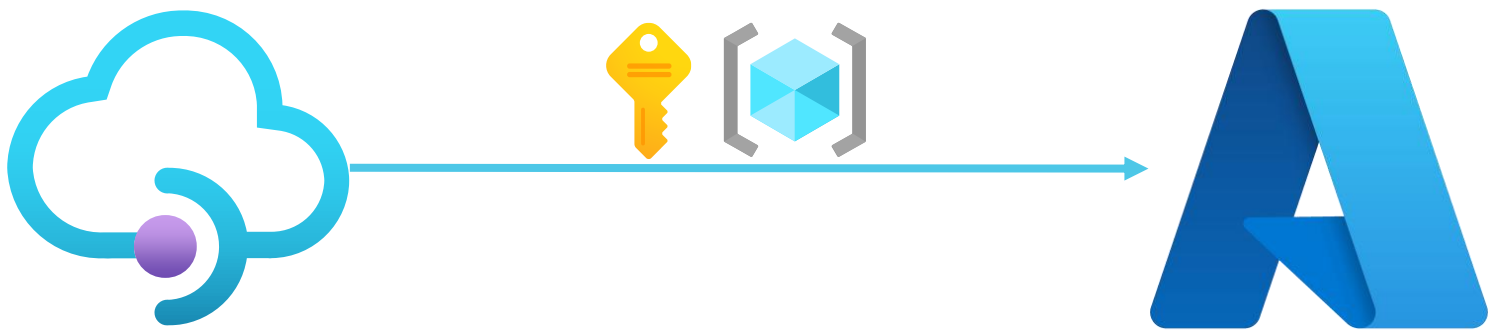
Build your own REST interface as an Azure Resource



Management API's



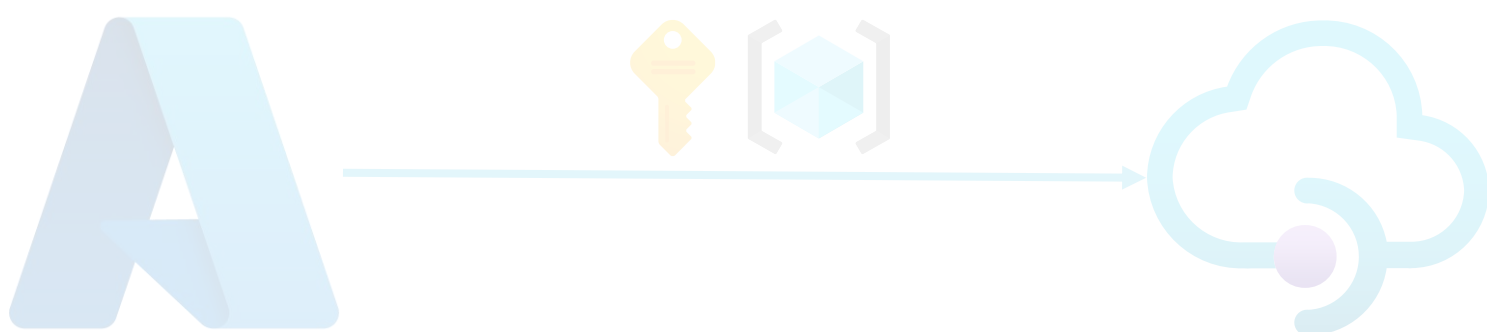
Azure Management API



Make REST calls to interface with your Azure Resources



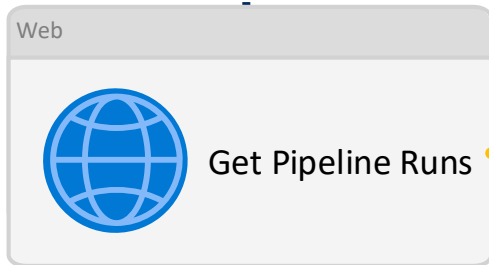
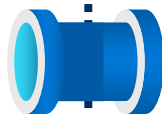
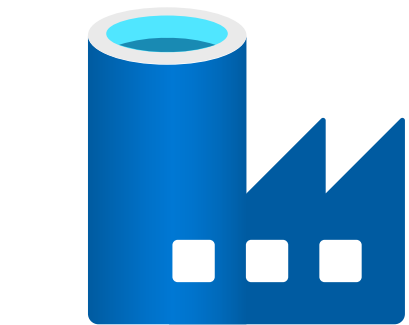
Azure API Manager



Build your own REST interface as an Azure Resource



Orchestrate Everything



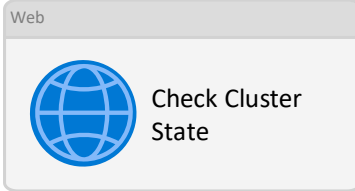
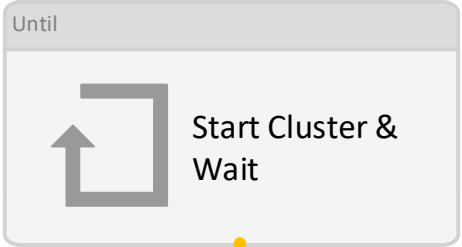
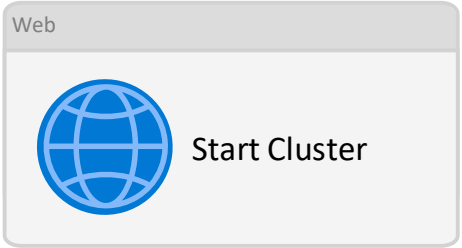
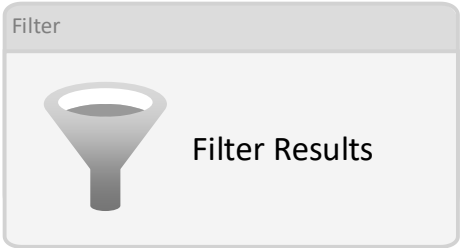
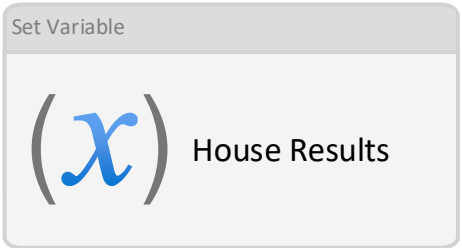
URL [https://management.azure.com/subscriptions/
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resourceGroups/
@{variables\('ResourceGroupName'\)}/
providers/
Microsoft.DataFactory/
factories/
@{pipeline\(\).DataFactory}/
queryPipelineRuns?
api-version=2018-06-01](https://management.azure.com/subscriptions/@{variables('SubscriptionId')}/resourceGroups/@{variables('ResourceGroupName')}/providers/Microsoft.DataFactory/factories/@{pipeline().DataFactory}/queryPipelineRuns?api-version=2018-06-01)

Body {
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 "filters": [
 {
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]
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]
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Auth <https://management.core.windows.net>



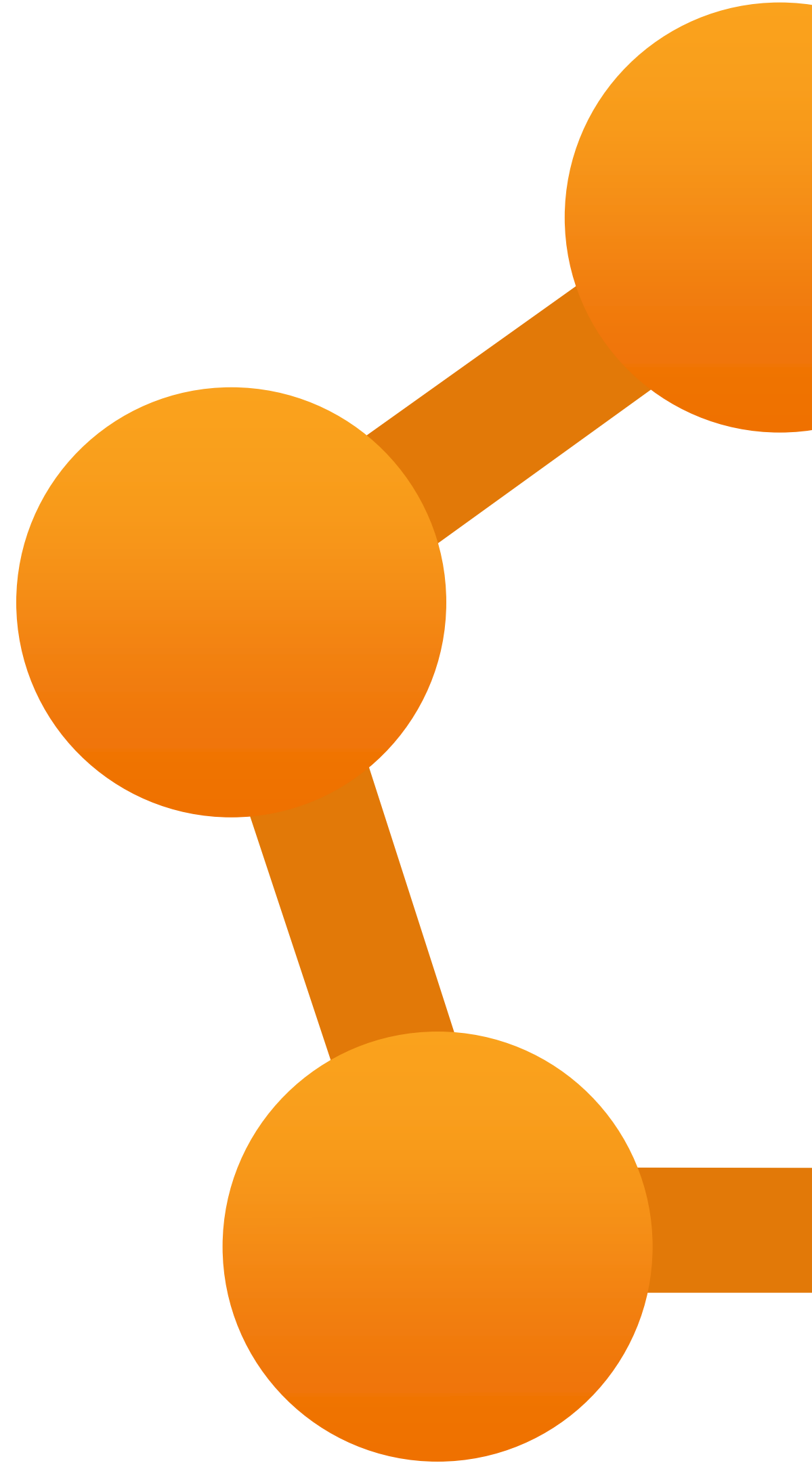
Managed Identity



Module 5 – Pipeline Extensibility

Functions

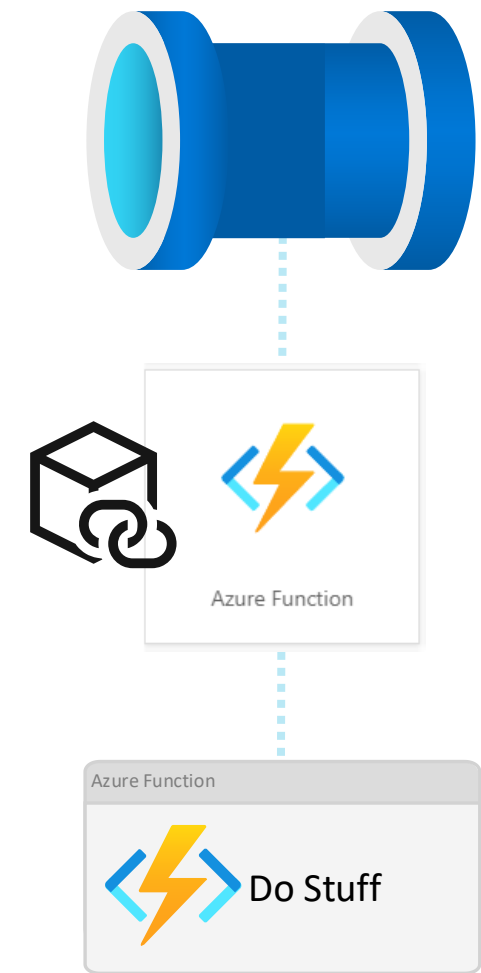
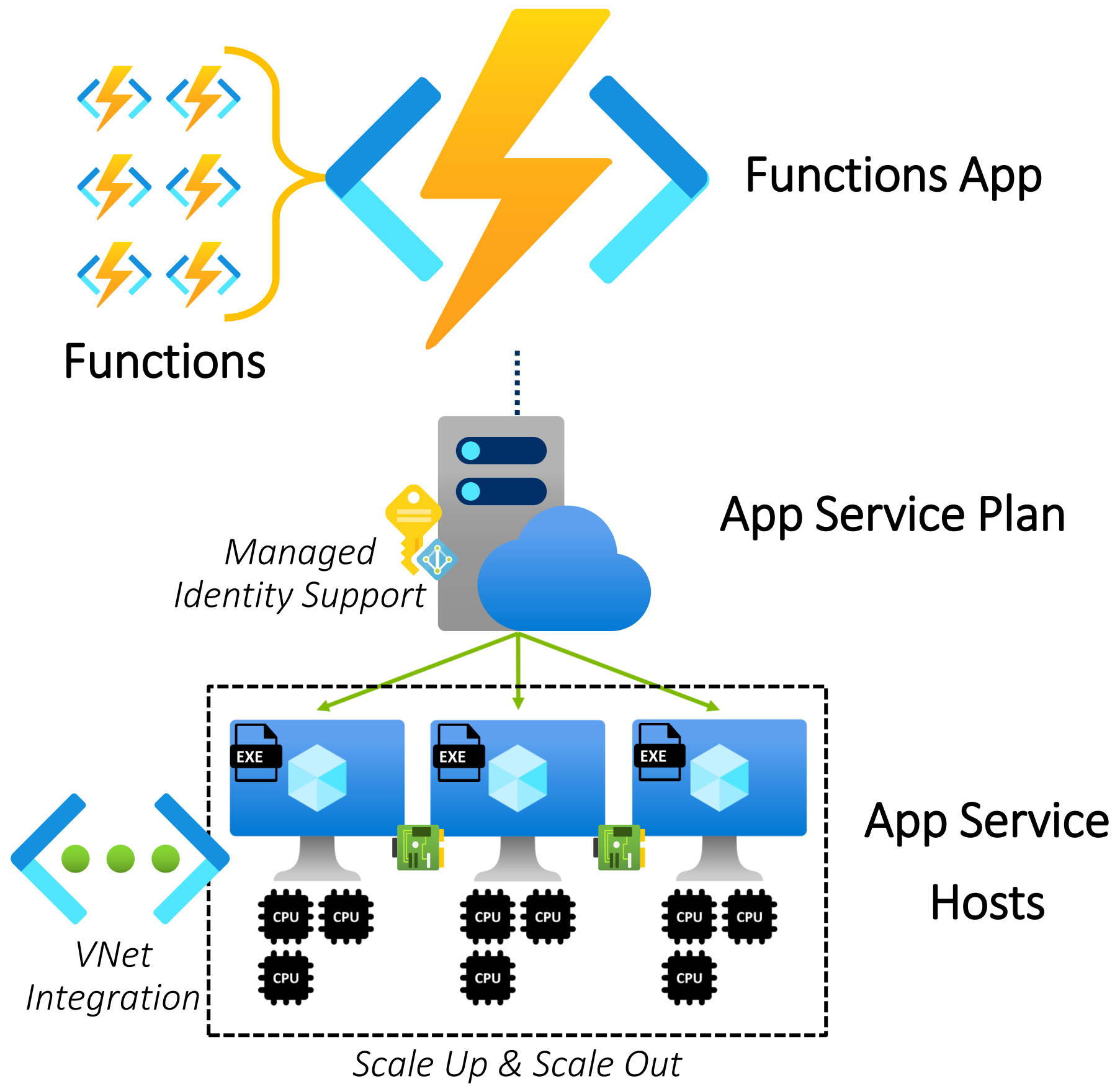
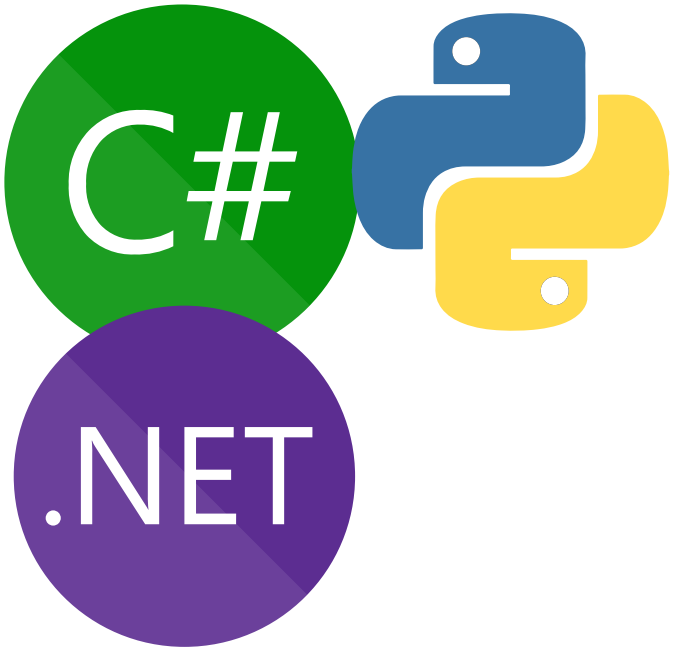
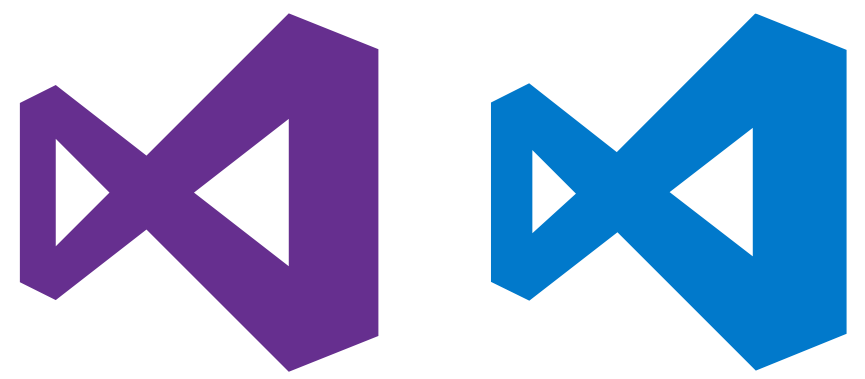
Cloud Formations



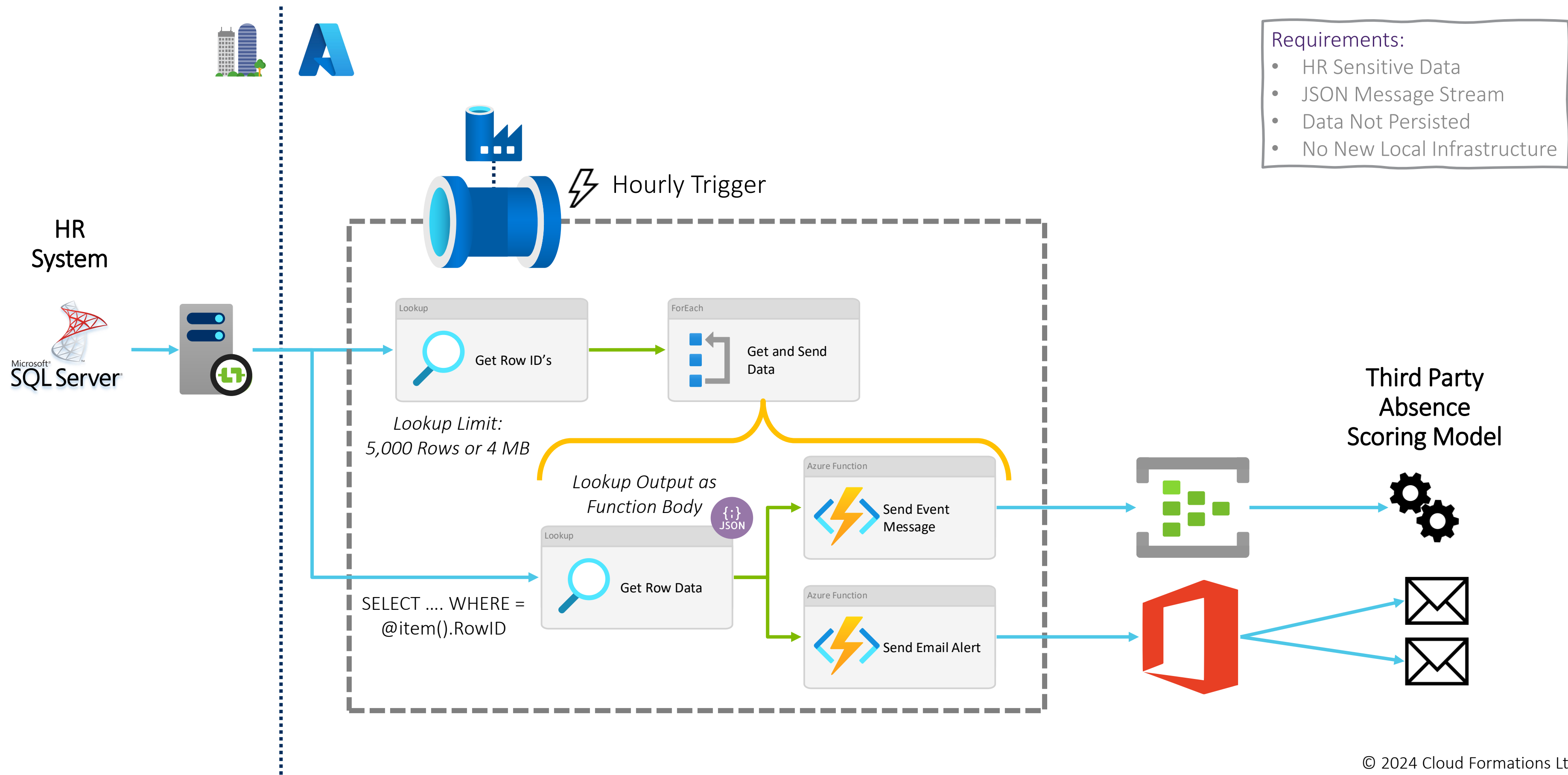
Azure Functions App



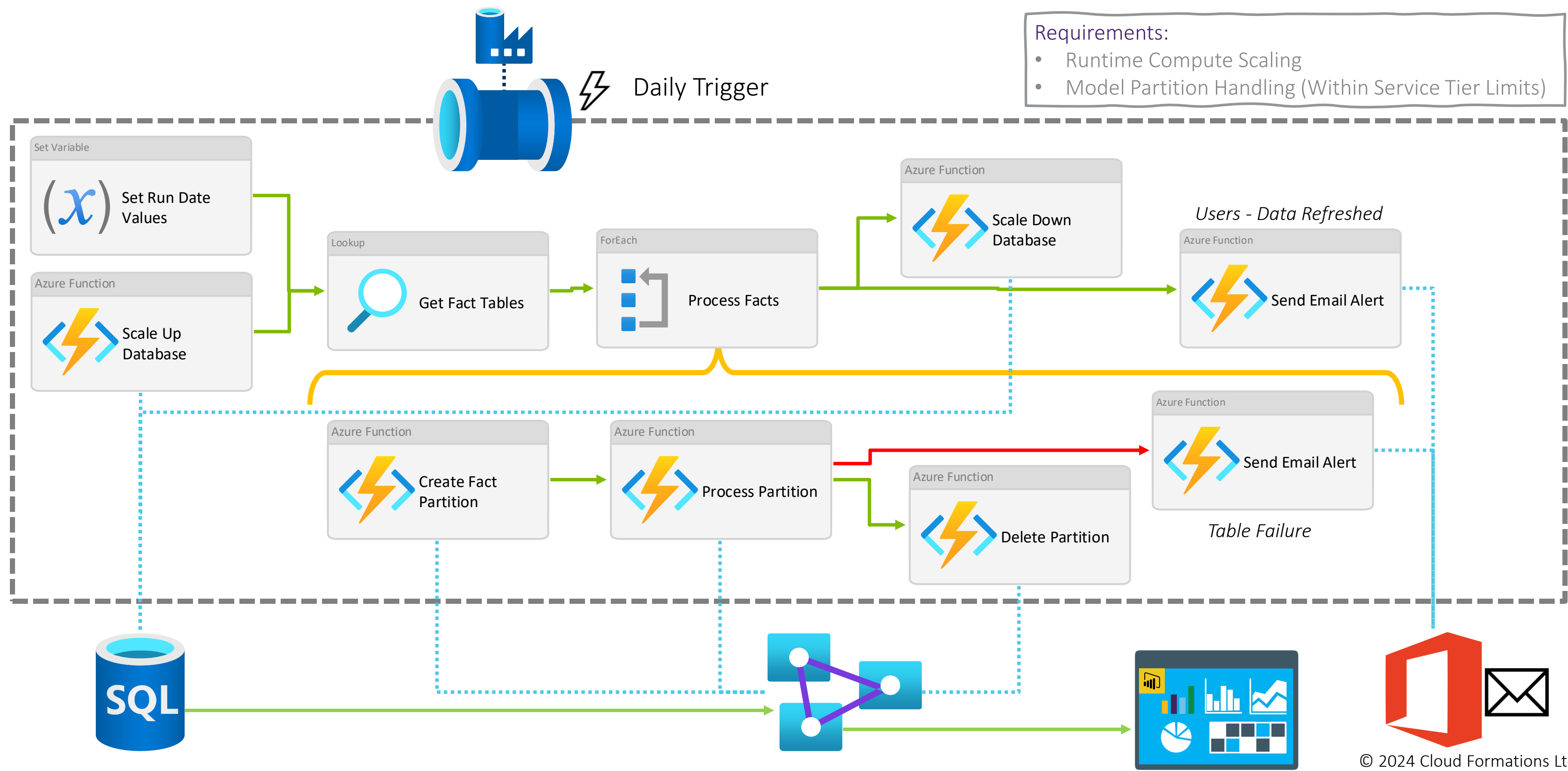
Serverless Scalable Bespoke Executions



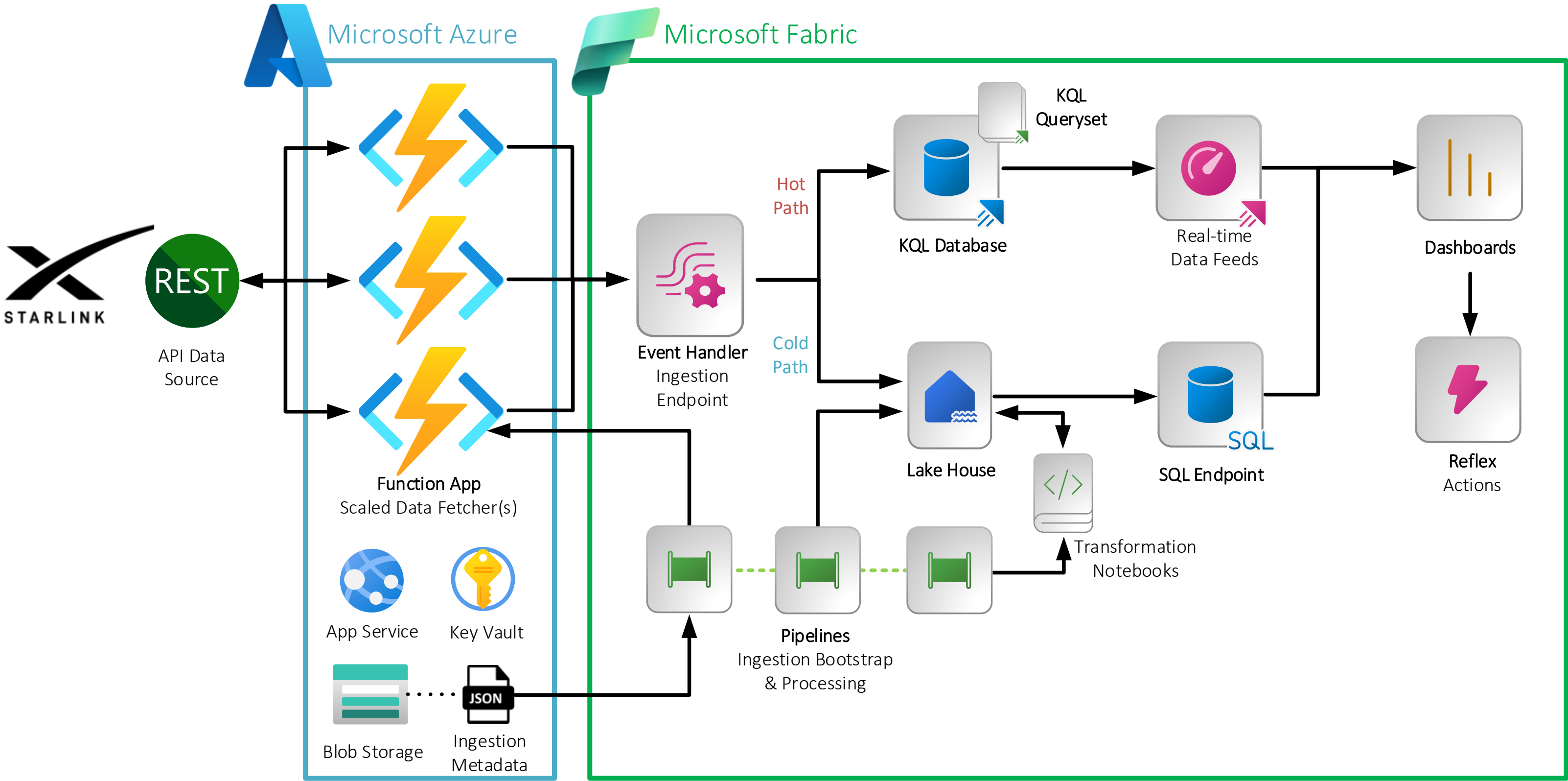
Local Batch Data to Third Party Event Stream



Traditional ETL Stack with Semantic Model



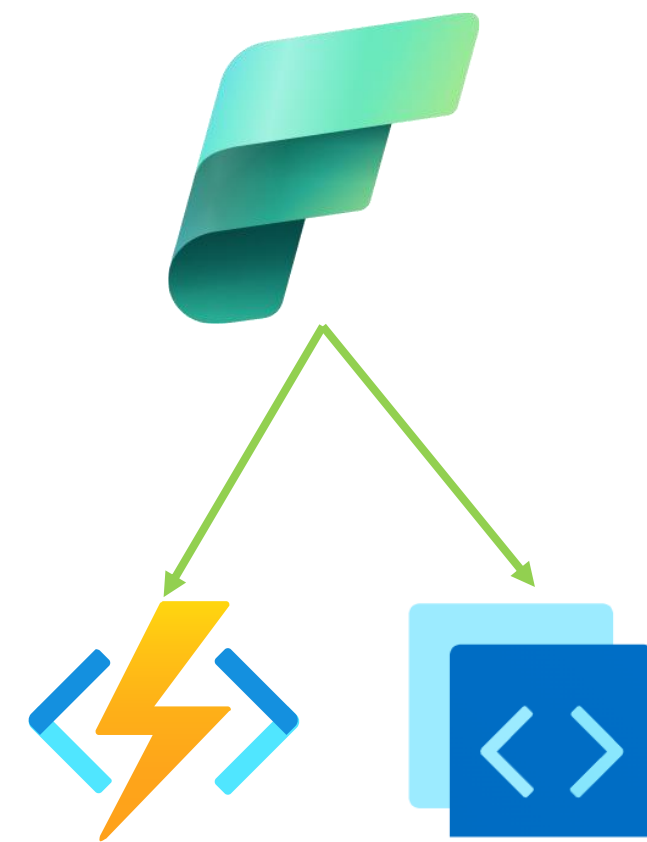
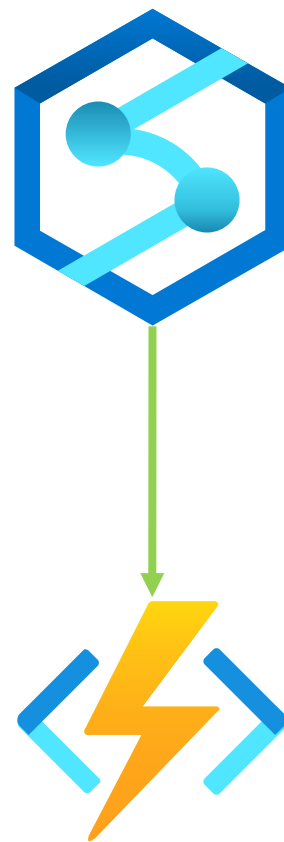
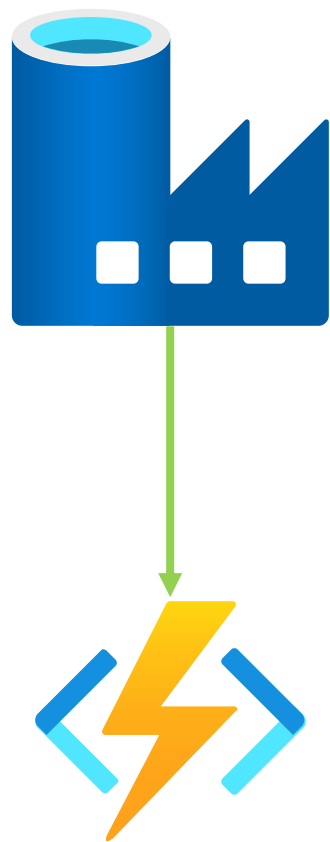
Turning a Batch Data Source Into a Realtime Data Flow



Microsoft Fabric User Data Functions



Microsoft Fabric user data functions are custom reusable code snippets that you can create and run within the Microsoft Fabric platform. These functions allow you to perform complex data transformations and business logic by integrating with various Fabric resources, such as Data Warehouses, Lakehouse's, and Mirrored Databases.



User Data Functions

Currently in Private Preview

Module 5

Pipeline Extensibility ✓

Any questions?

Cloud Formations

