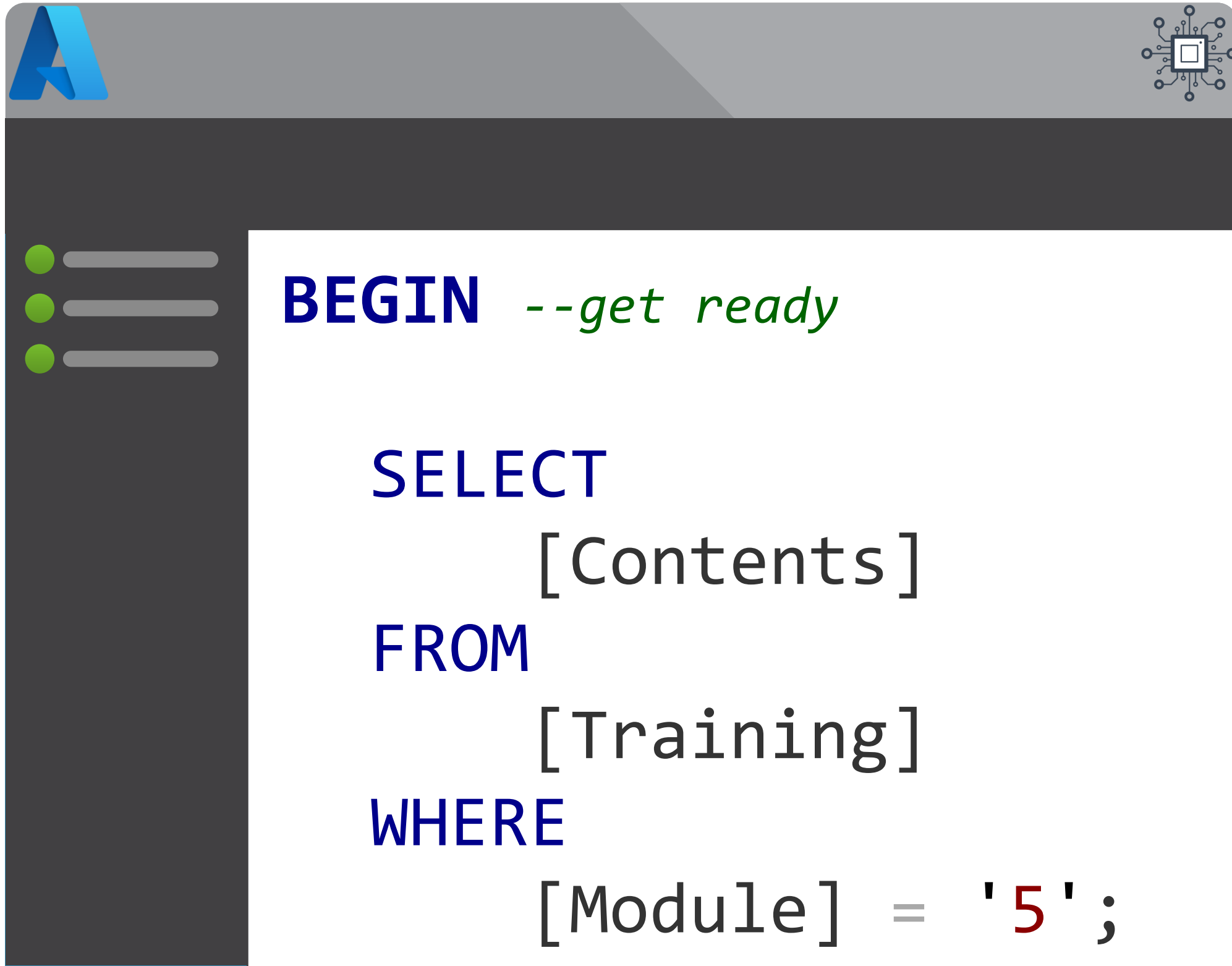


# Module 5

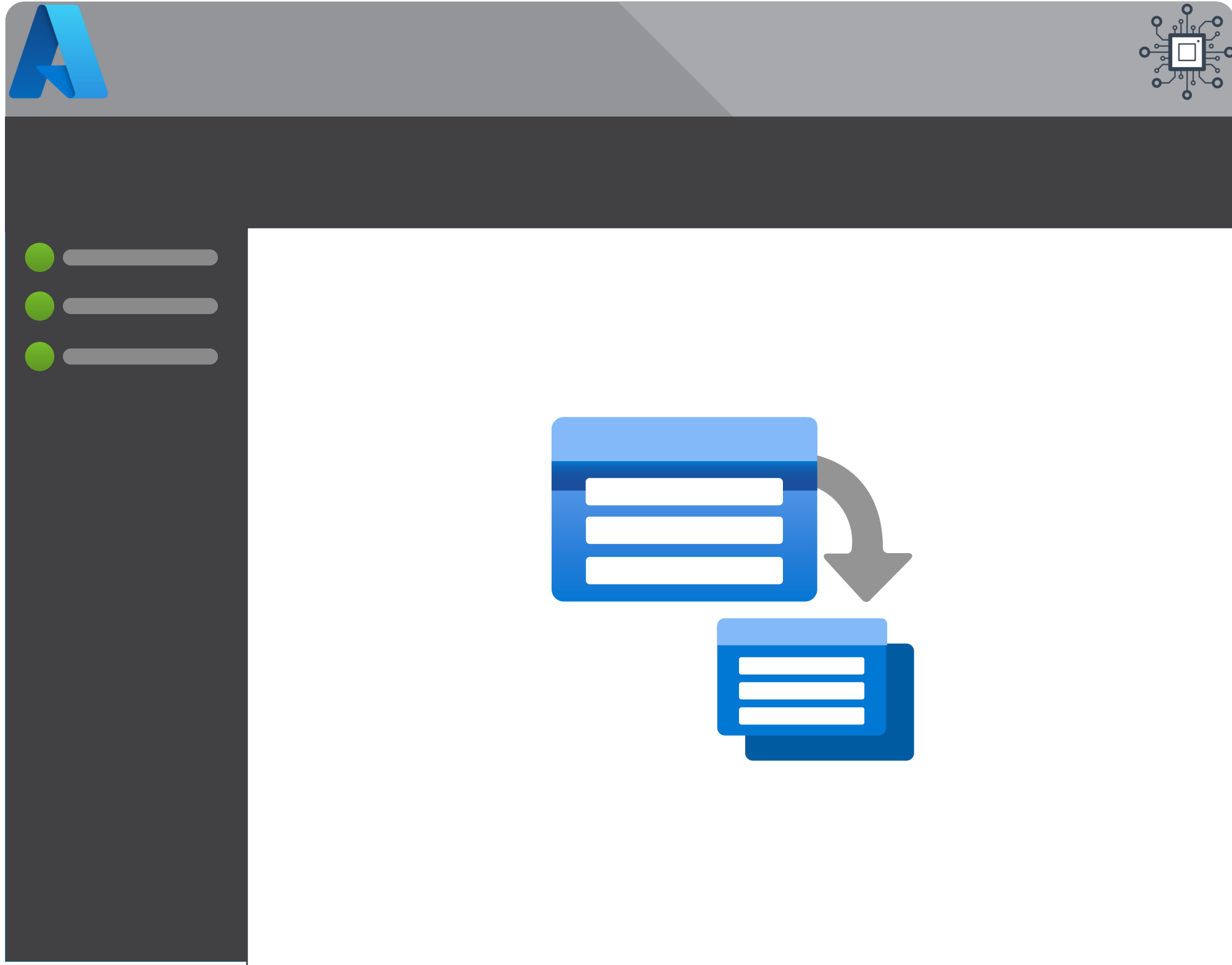
## Pipeline Extensibility



- Azure Batch Service
  - Tasks
  - Compute Pools
  - Scaling
- Pipeline Custom Activities
- Azure Management API
- Azure Functions

# Module 6

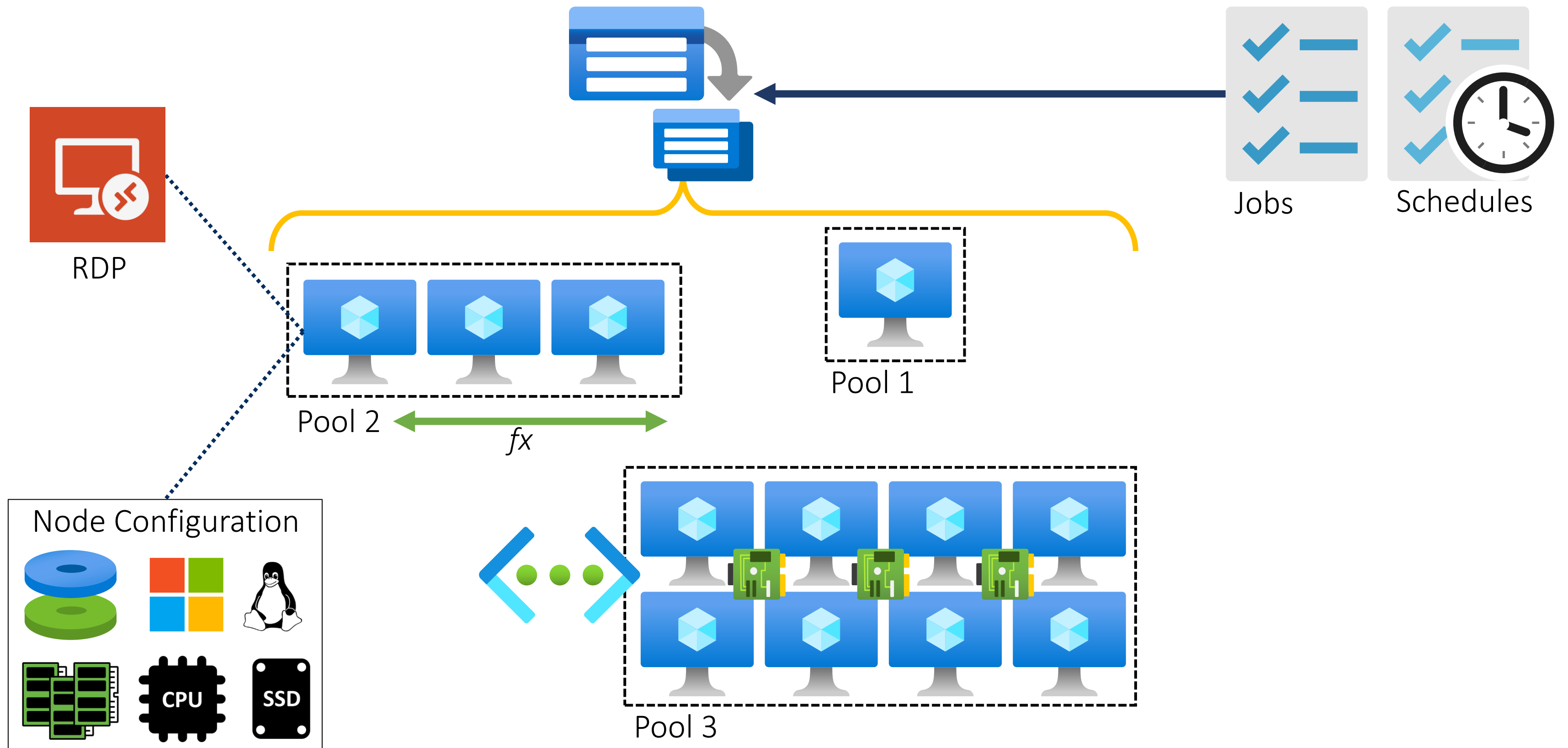
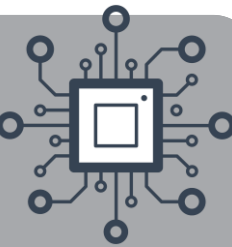
## Pipeline Extensibility



- Azure Batch Service
  - Tasks
  - Compute Pools
  - Scaling
- Pipeline Custom Activities
- Azure Management API
- Azure Functions

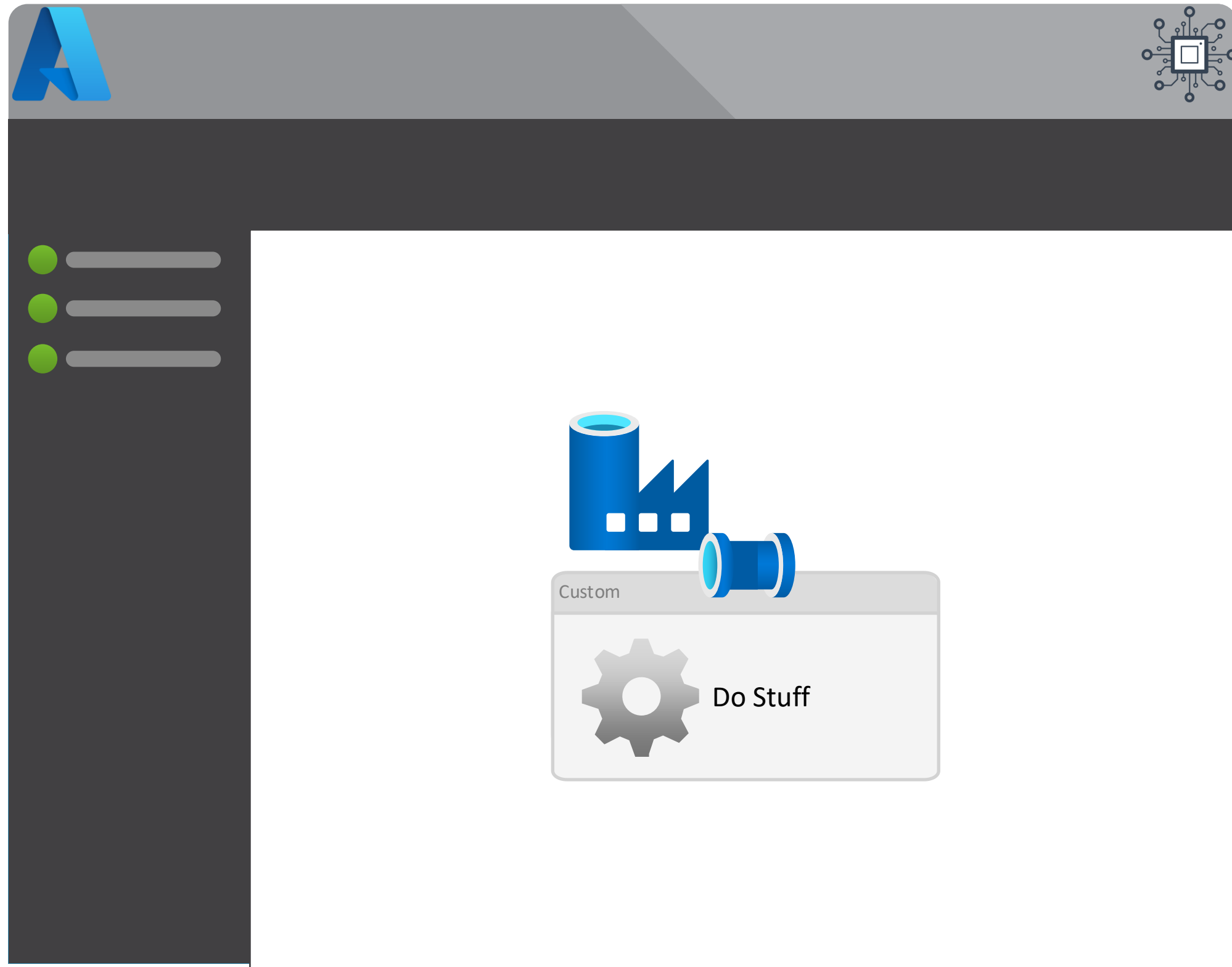


# Azure Batch Service



# Module 6

## Pipeline Extensibility



- Azure Batch Service
  - Tasks
  - Compute Pools
  - Scaling
- Pipeline Custom Activities



# Custom

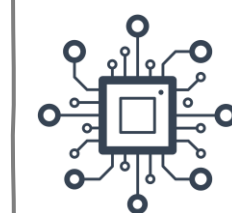
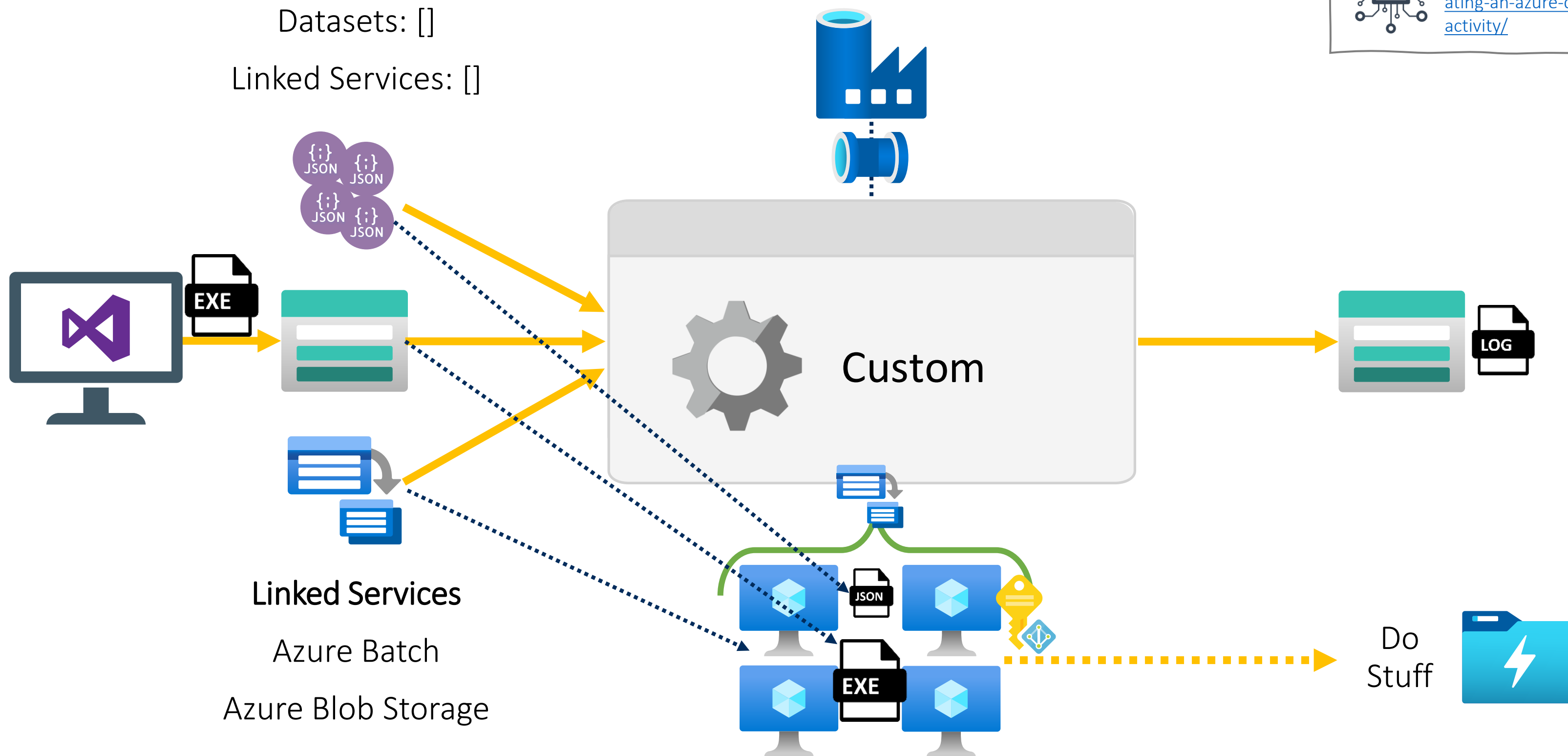


Extend Data Factory with Dedicated Scalable Compute and Custom Code

## References Objects

Datasets: []

Linked Services: []

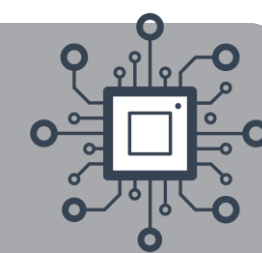


Creating a Custom Activity

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



# Custom

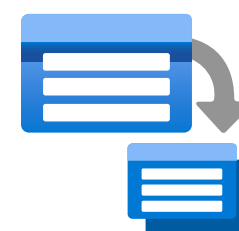
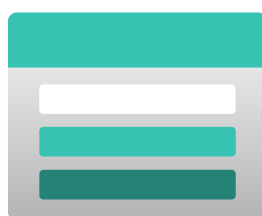
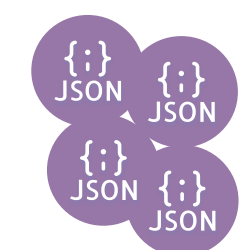


Extend Data Factory with Dedicated Scalable Compute and Custom Code

## References Objects

Datasets: []

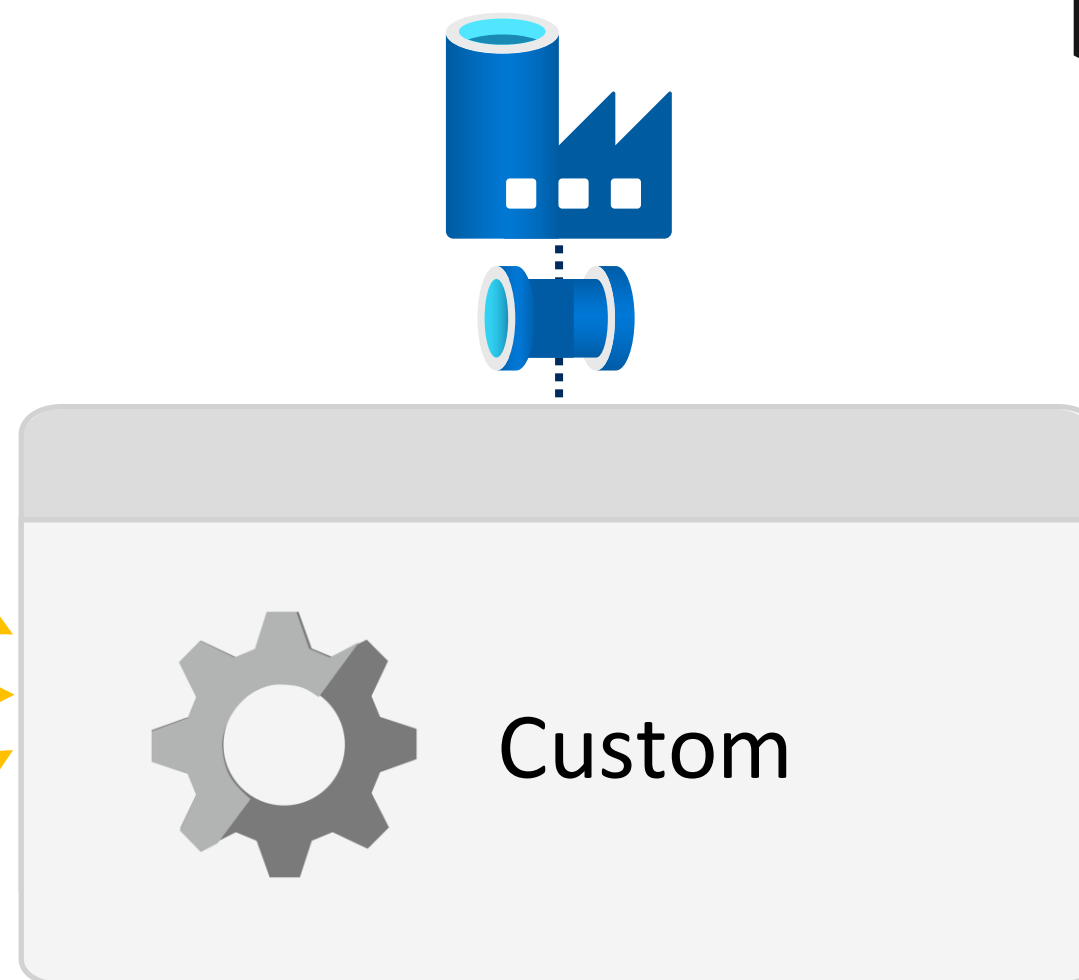
Linked Services: []



## Linked Services

Azure Batch

Azure Blob Storage



## New linked service

[Azure Batch](#) [Learn more](#)

Name \*

BatchForTraining01

Description

Connect via integration runtime \* [?](#)

AutoResolveIntegrationRuntime

Authentication method \*

Managed Identity

Managed identity name: **TrainingFactoryDev**

Managed identity object ID: **f818bfb8-5602-4e49-9bd5-81f3855cc81f**

Grant Data Factory service managed identity access to your Azure Batch.

Account name \*

batchfortraining01

Batch URL \*

https://batchfortraining01.uksouth.batch.azure.com

Pool name \*

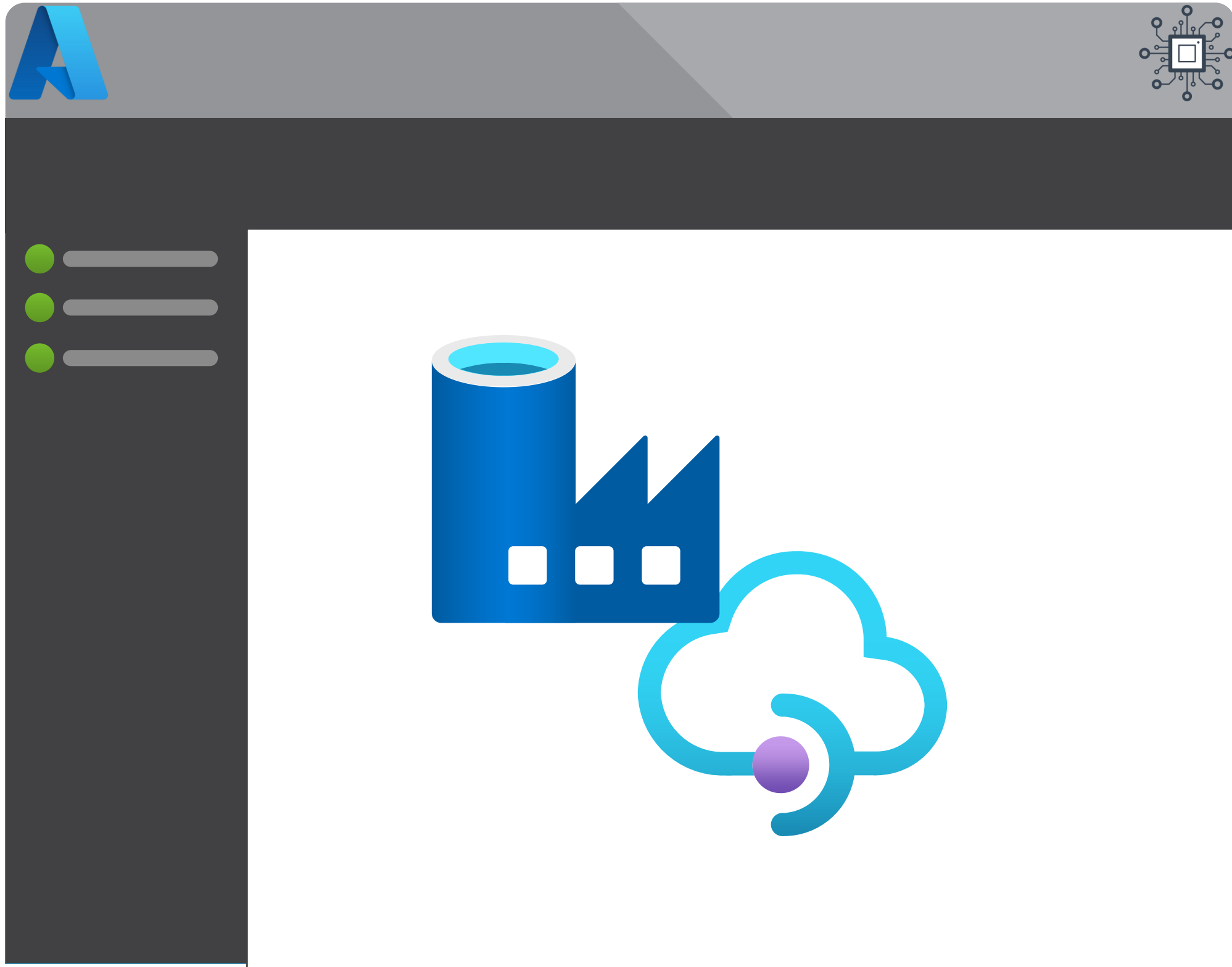
Storage linked service name \*

TrainingStore01

Pool ID

# Module 5

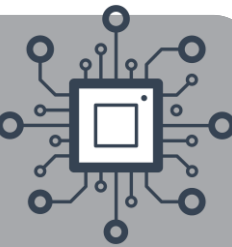
## Pipeline Extensibility



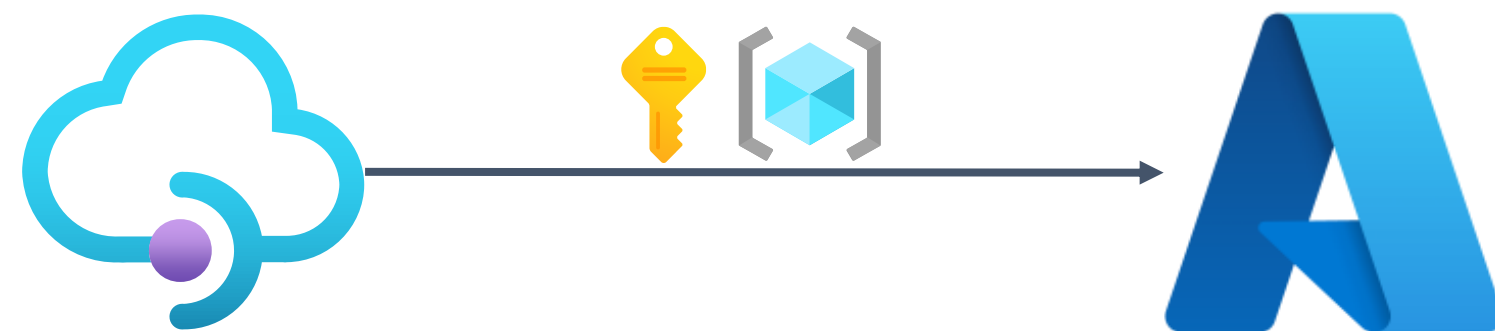
- Azure Batch Service
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- Azure Functions



# Management API's



## Azure Management API



Make REST calls to  
interface with your  
Azure Resources



## Azure API Manager



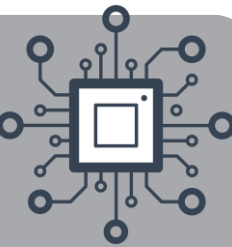
Build your own REST  
interface as an  
Azure Resource



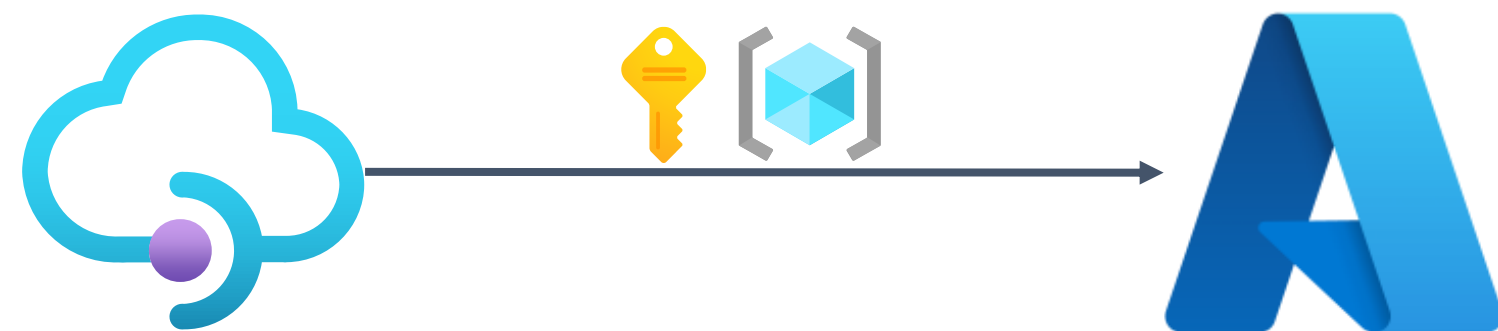




# Management API's



## Azure Management API



Make REST calls to  
interface with your  
Azure Resources

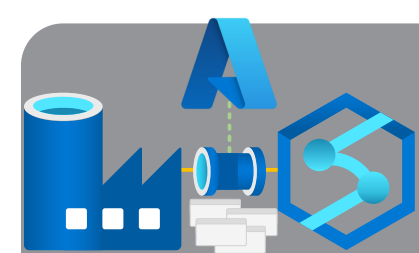
REST

## Azure API Manager

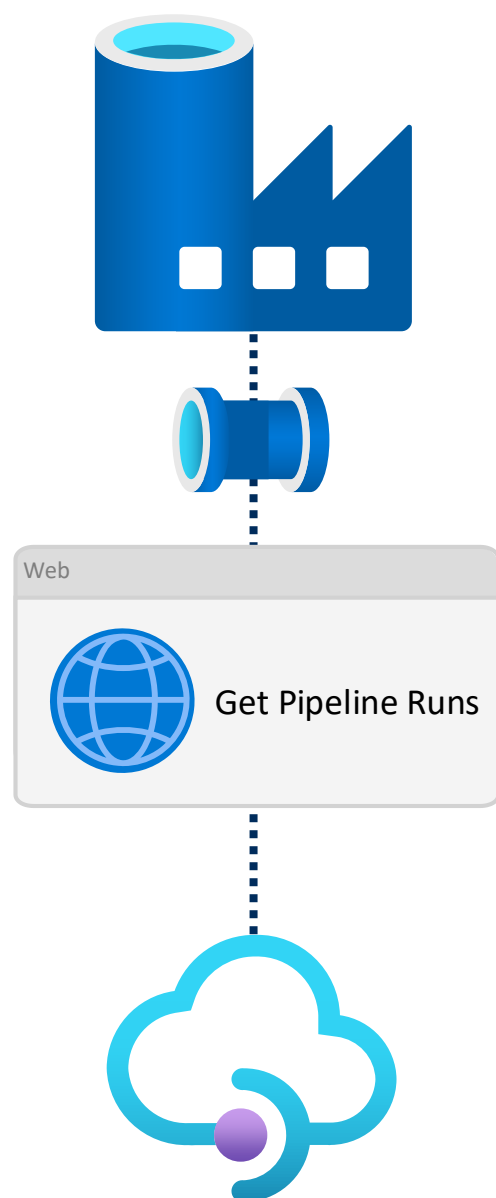
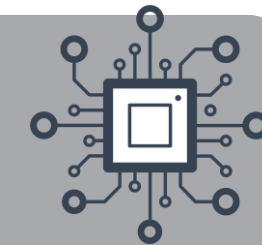


Build your own REST  
interface as an  
Azure Resource

REST



# Orchestrate Everything



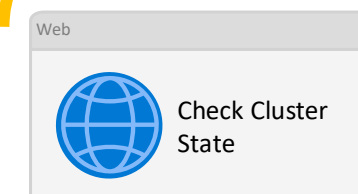
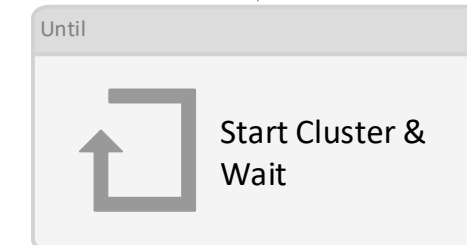
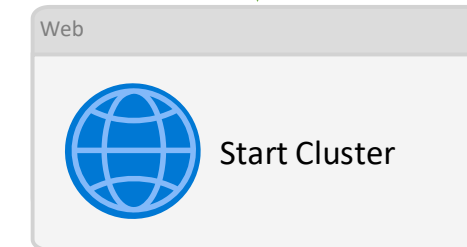
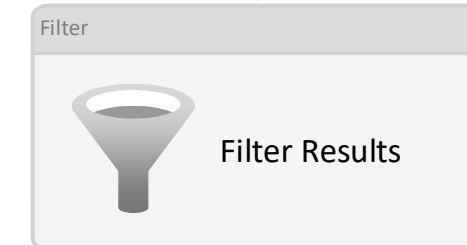
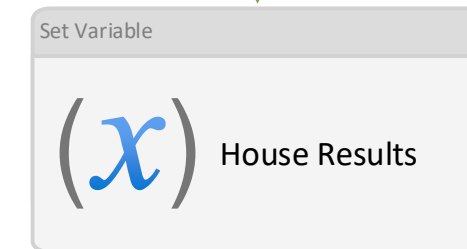
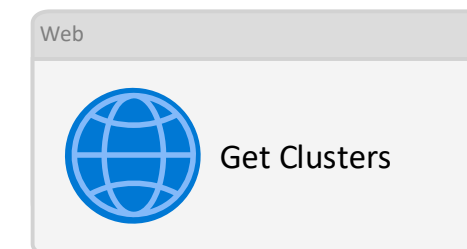
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resourceGroups/  
@{variables\('ResourceGroupName'\)}/  
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Microsoft.DataFactory/  
factories/  
@{pipeline\(\).DataFactory}/  
queryPipelineRuns?  
api-version=2018-06-01](https://management.azure.com/subscriptions/@{variables('SubscriptionId')}/resourceGroup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

Body {  
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 }  
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}

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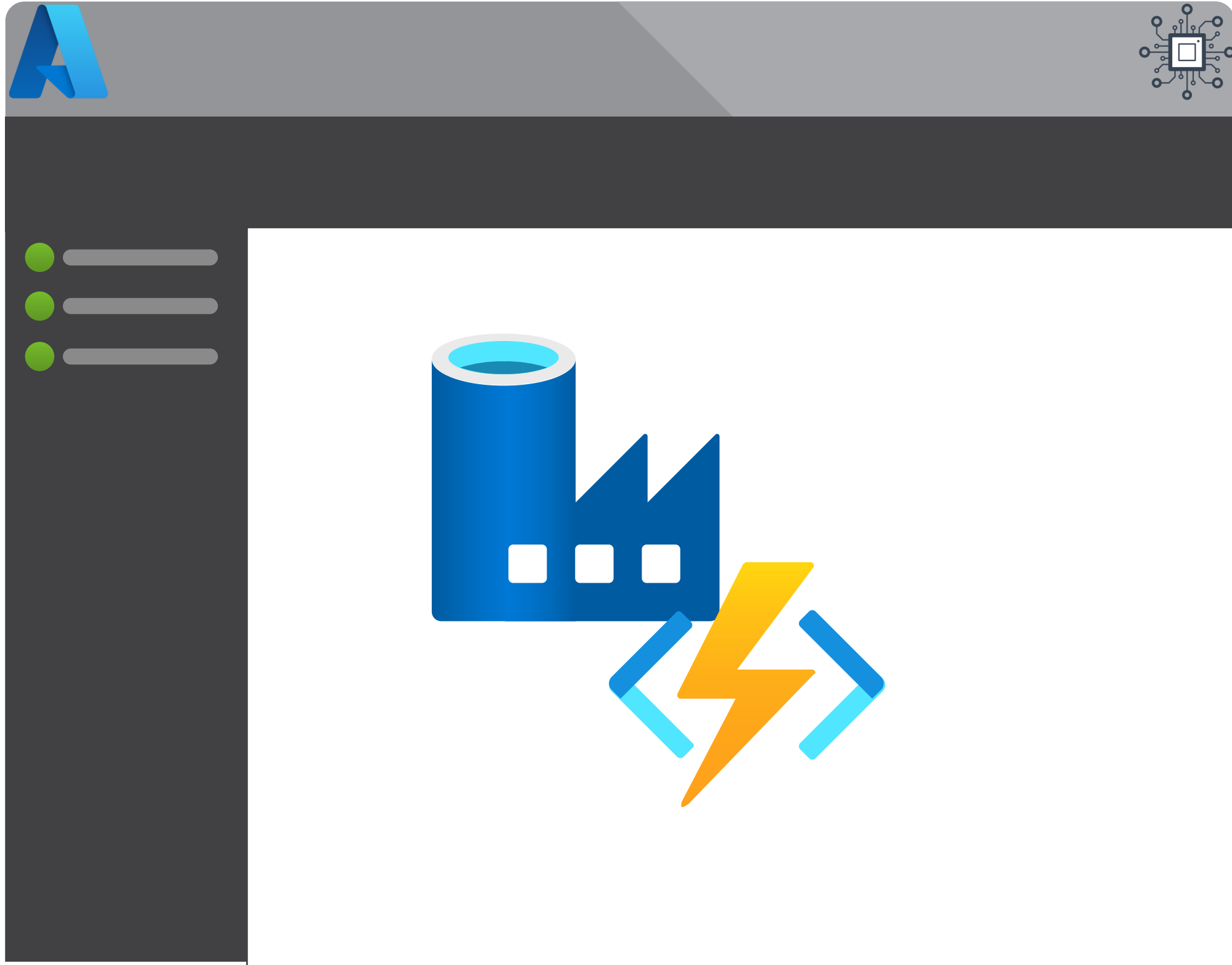


Managed Identity



# Module 5

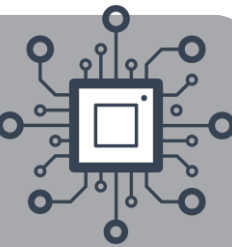
## Pipeline Extensibility



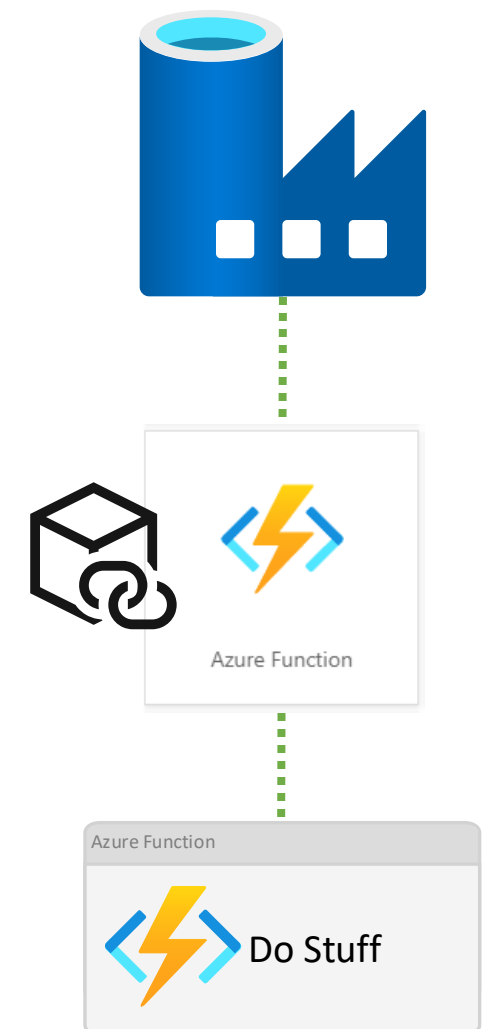
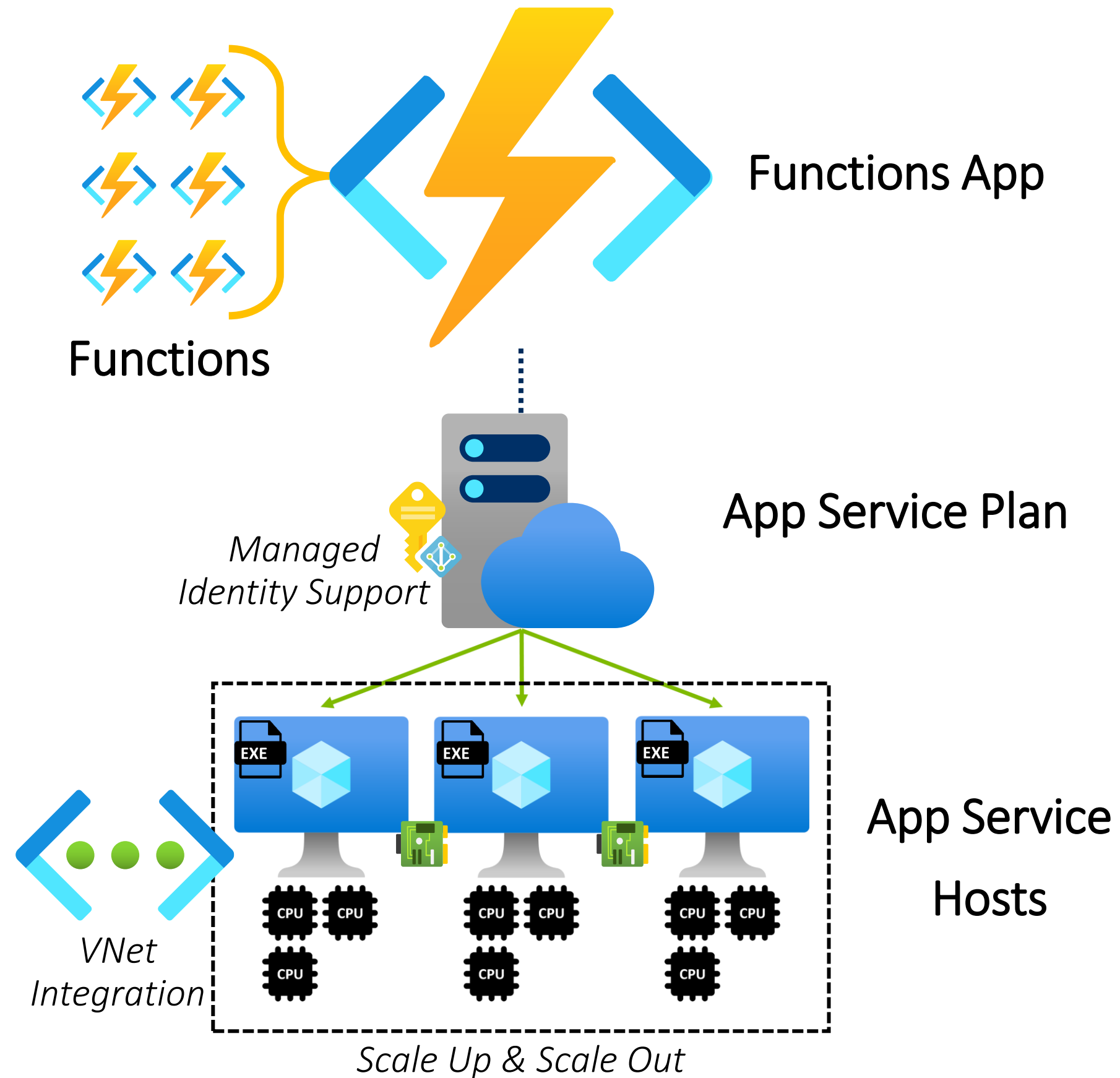
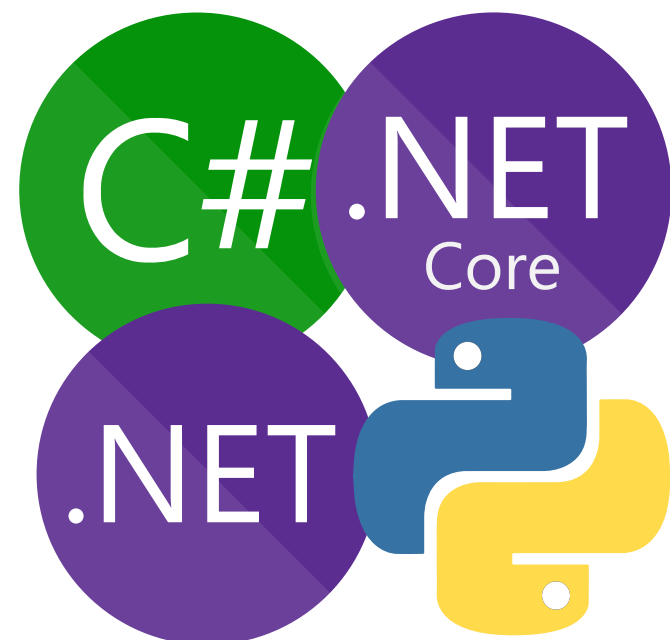
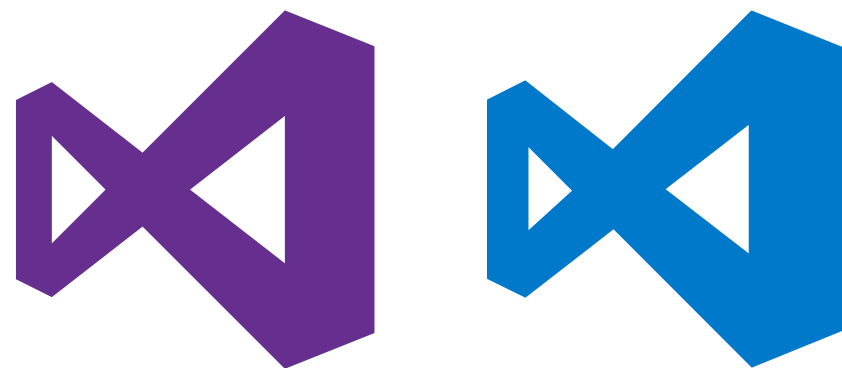
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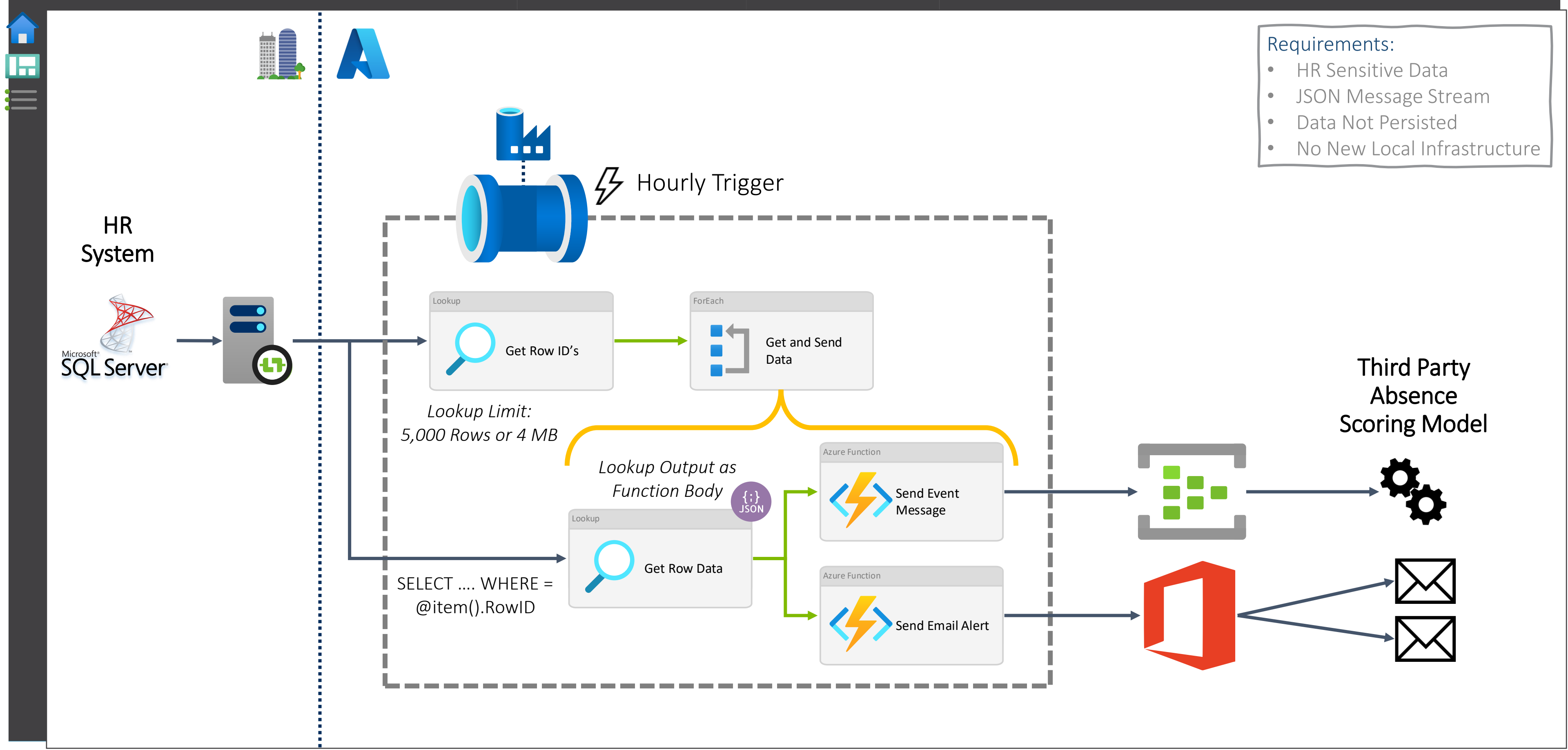


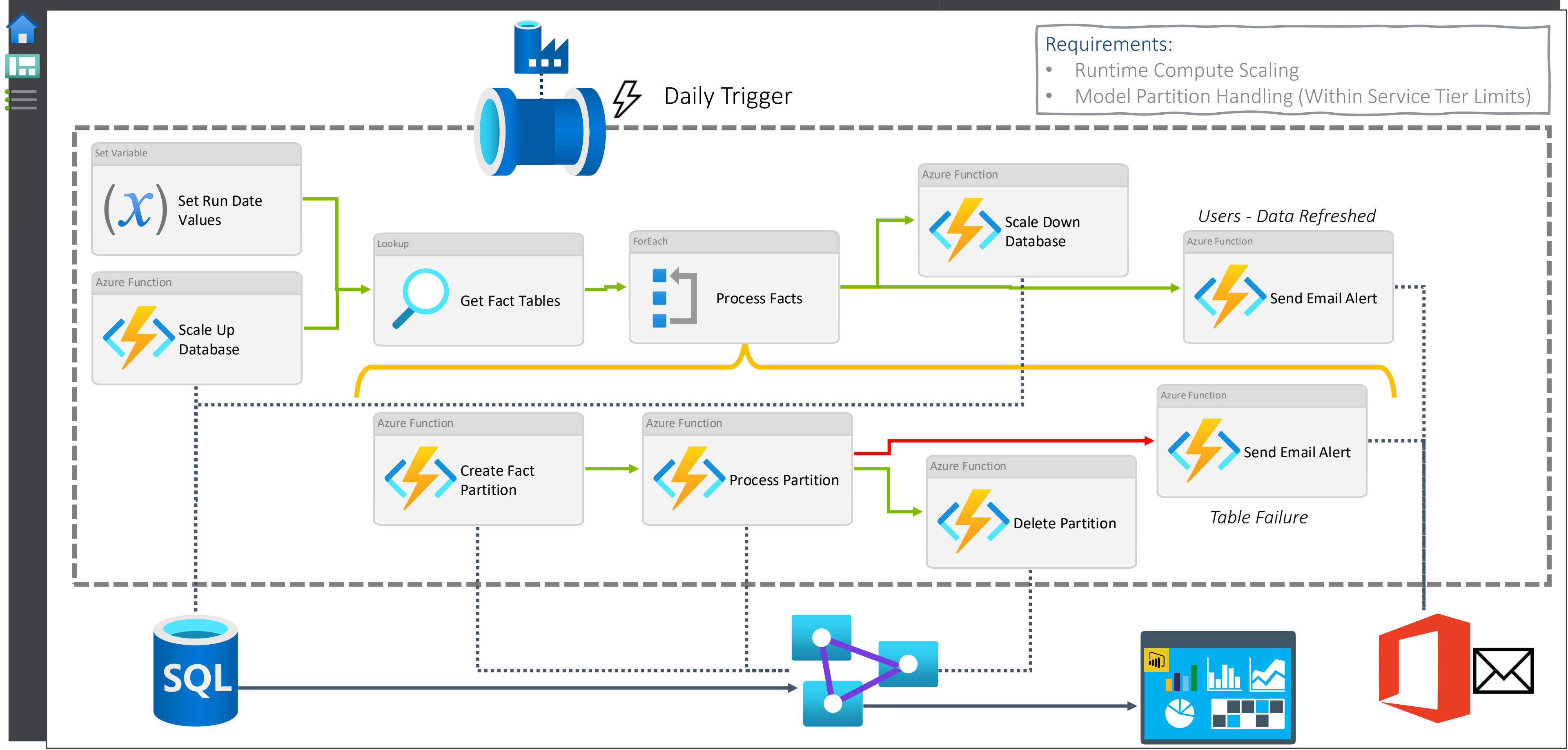
# Azure Functions App



Serverless Scalable Bespoke Executions

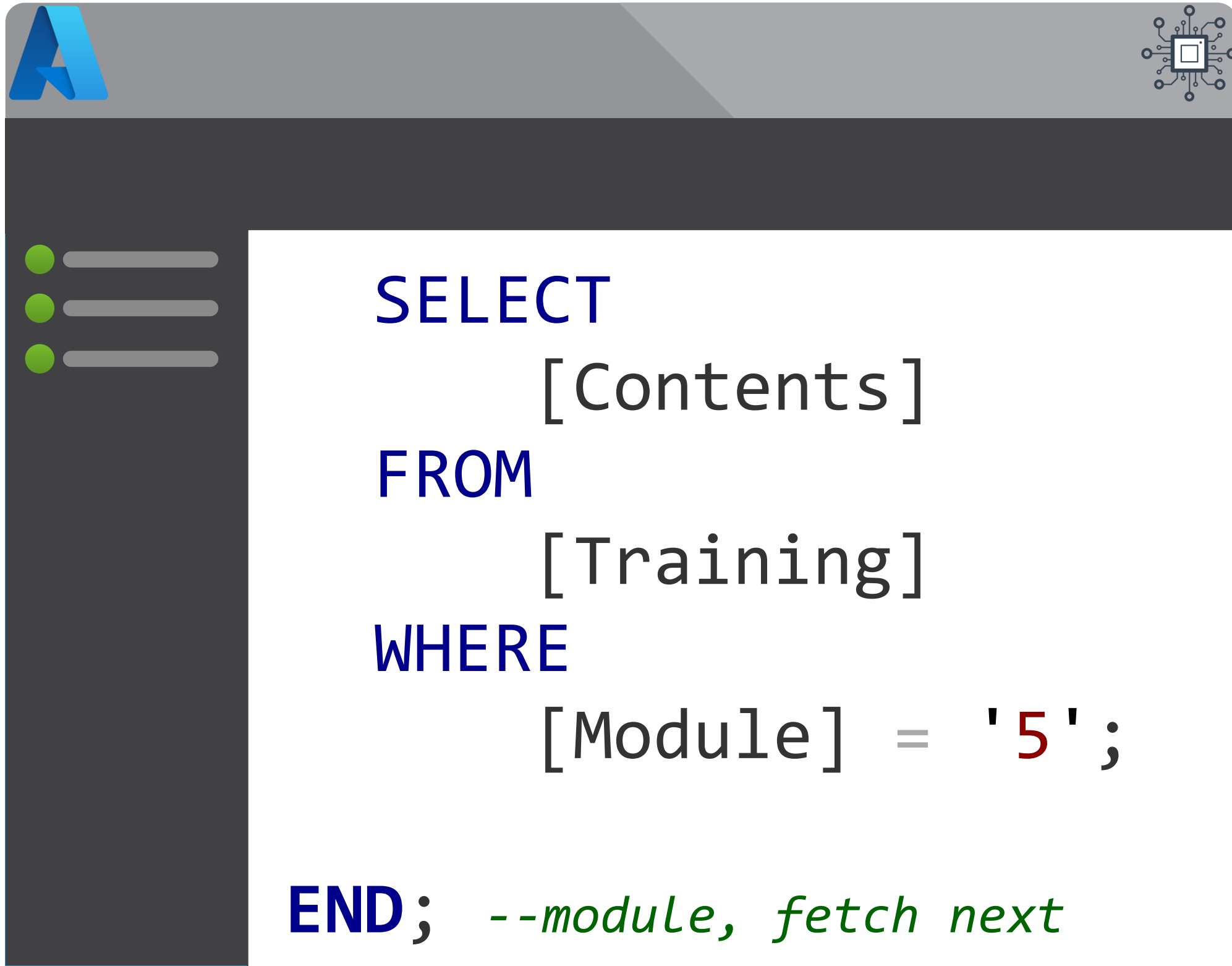






# Module 5

## Pipeline Extensibility



- Azure Batch Service
  - Tasks
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- Pipeline Custom Activities
- Azure Management API
- Azure Functions