# Module 2: Uploading Data to Azure

- Integration Runtimes
  - Azure IR
  - Hosted IR
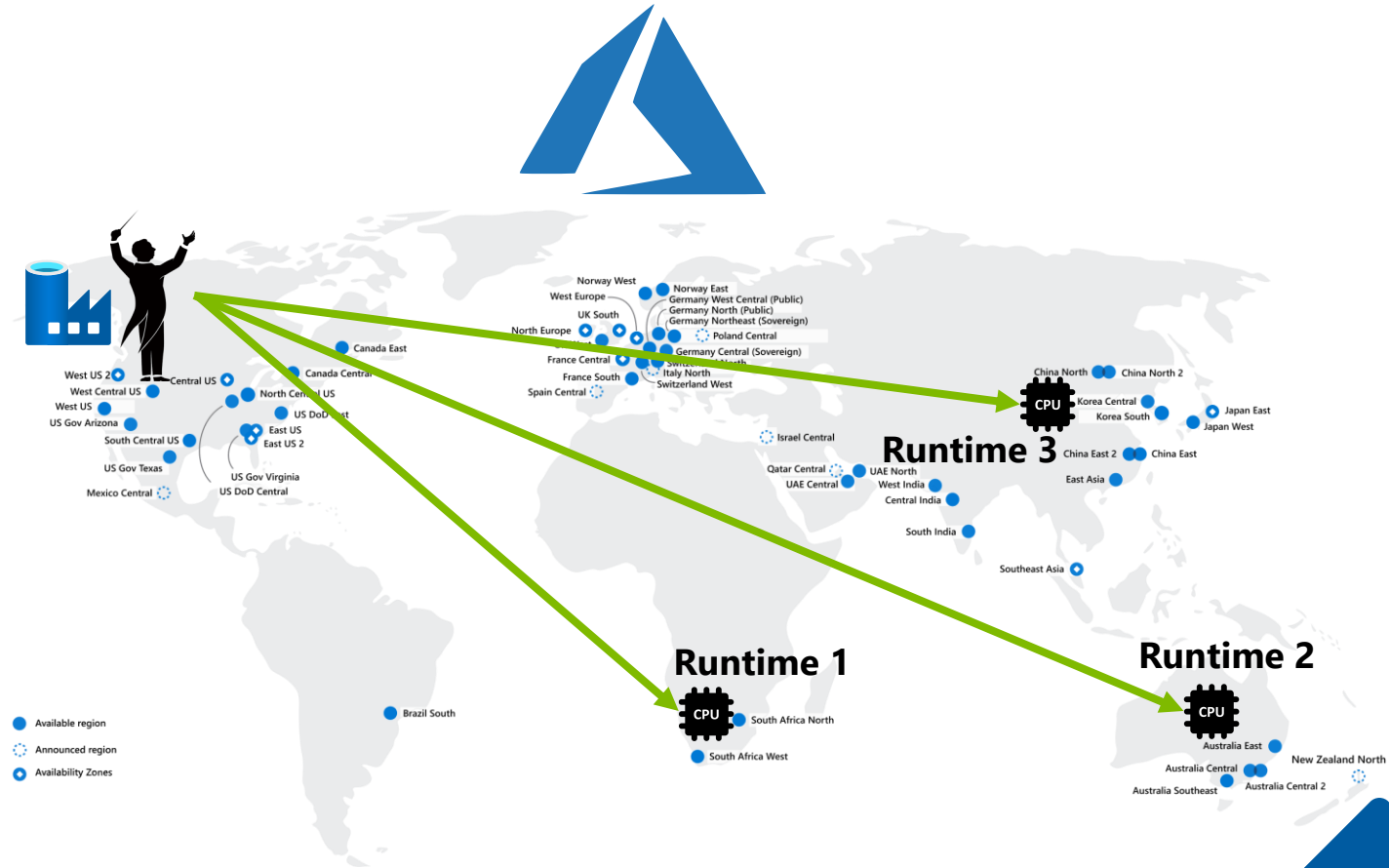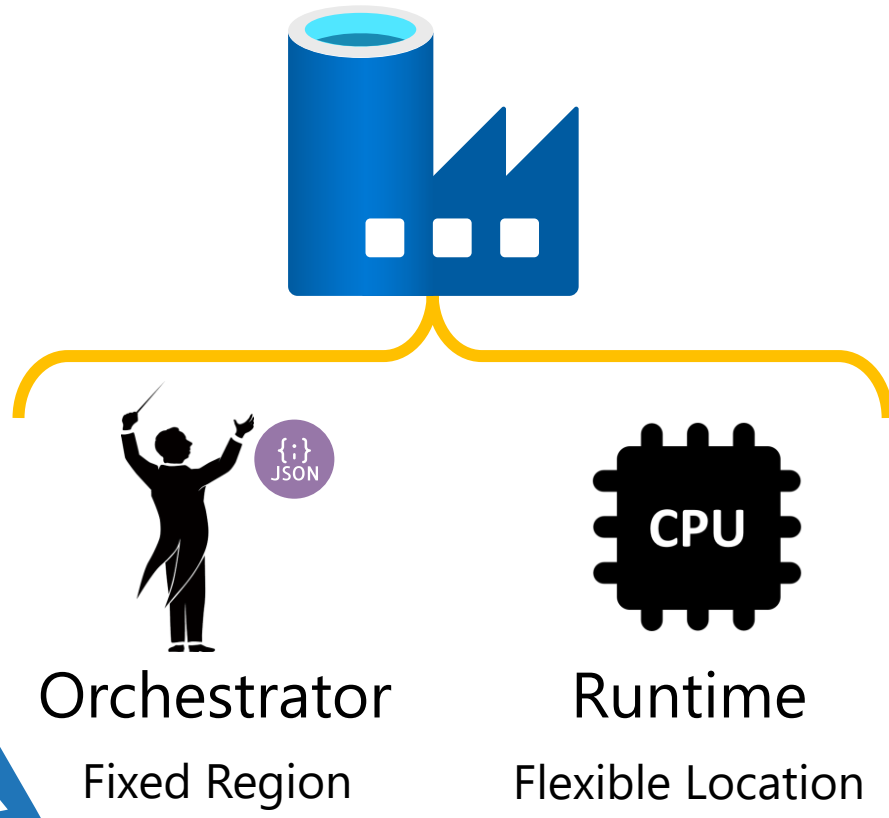- Hosted IR Deployment Patterns
- Private Endpoints
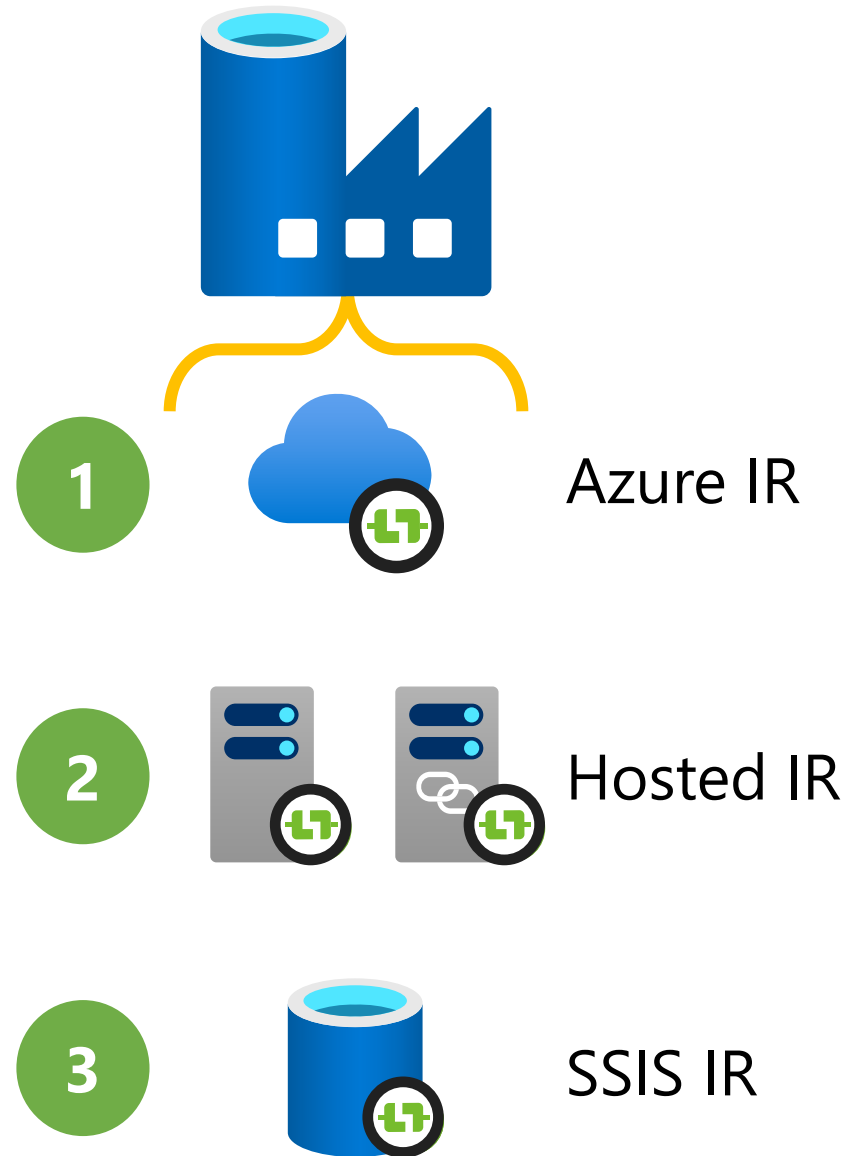
# Integration Runtimes (IR)

# What is an Integration Runtime?



Orchestrator

Fixed Region

Runtime

Flexible Location

Runtime 1

Runtime 2

Runtime 3

- Available region
- Announced region
- Availability Zones

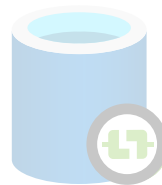# What can an Integration Runtime do?



**1** Azure IR

**2** Hosted IR
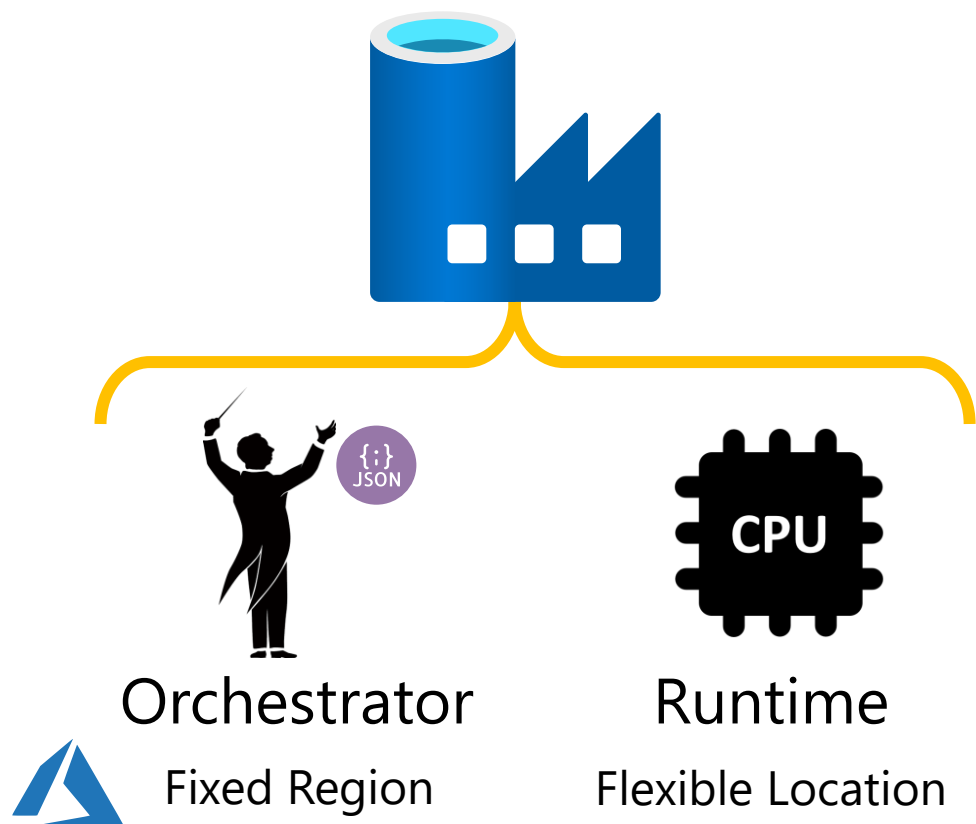
**3** SSIS IR

# Azure Integration Runtime
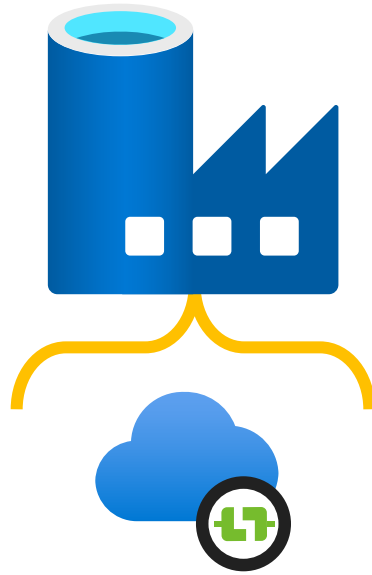


Azure IR

Hosted IR

SSIS IR

# Azure Integration Runtime



Orchestrator — Fixed Region

Runtime — Flexible Location

# Azure Integration Runtime



**Orchestrator**

Fixed Region

**Runtime**

Flexible Region

AutoResolveIntegrationRuntime
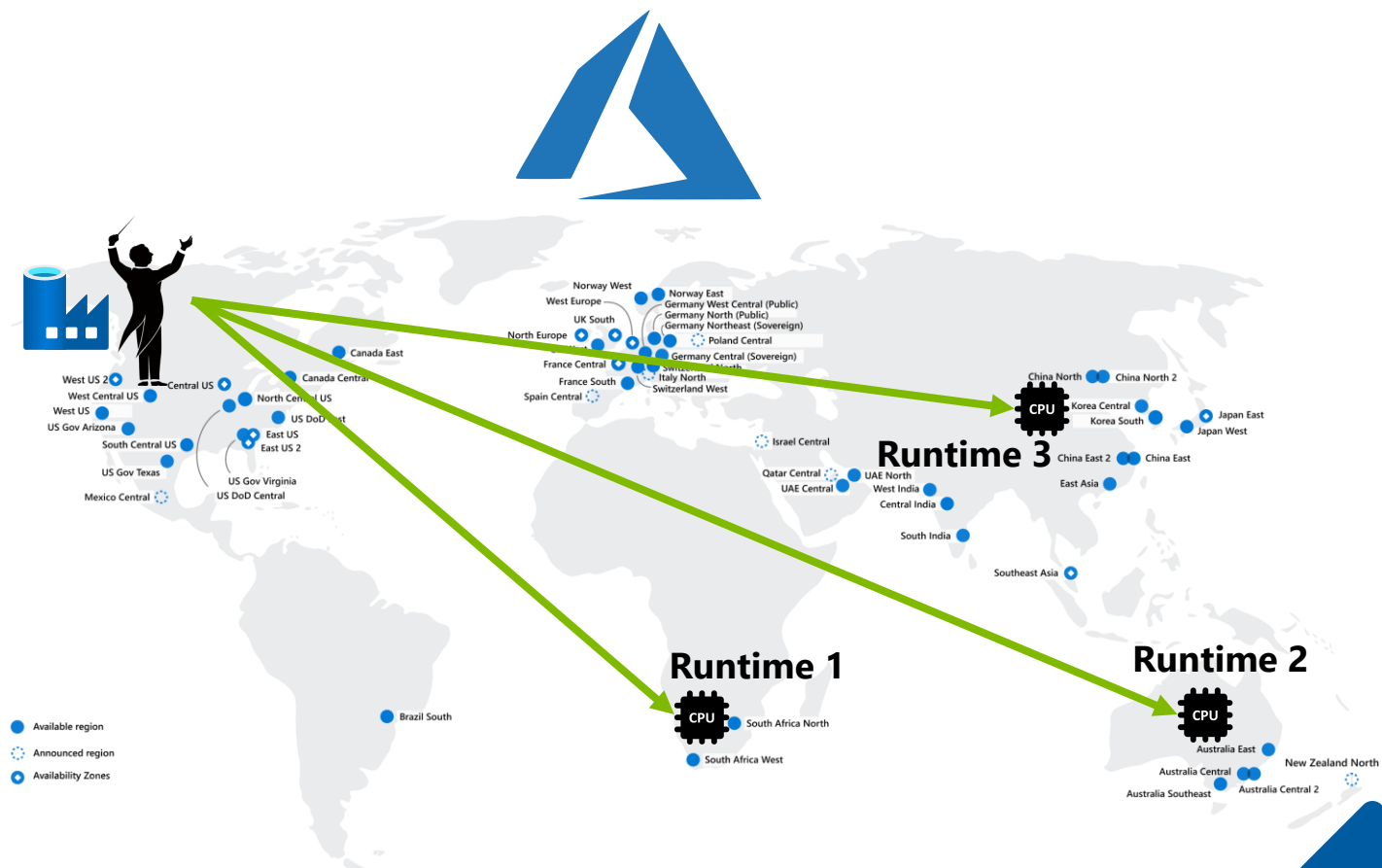
Runtime 1
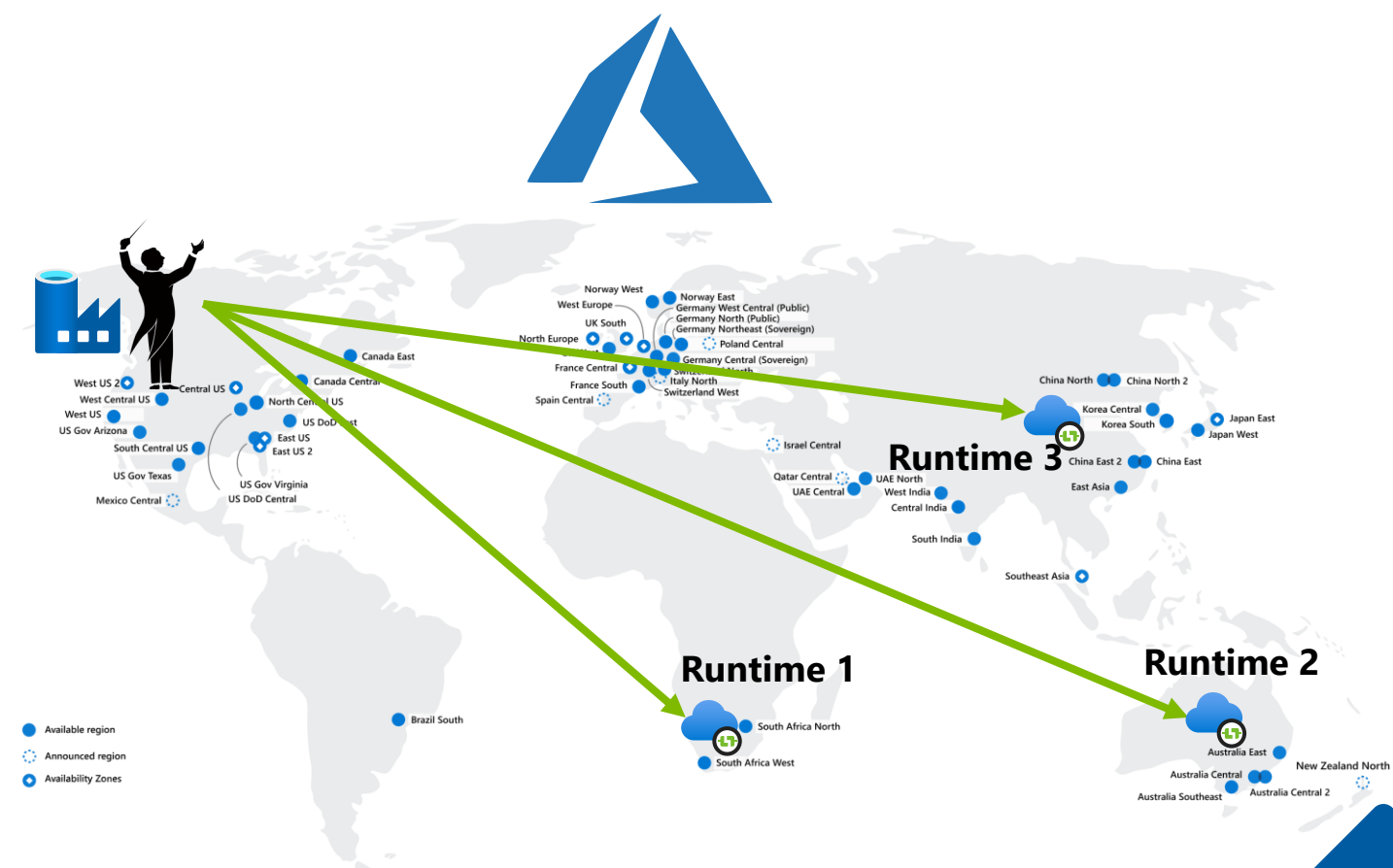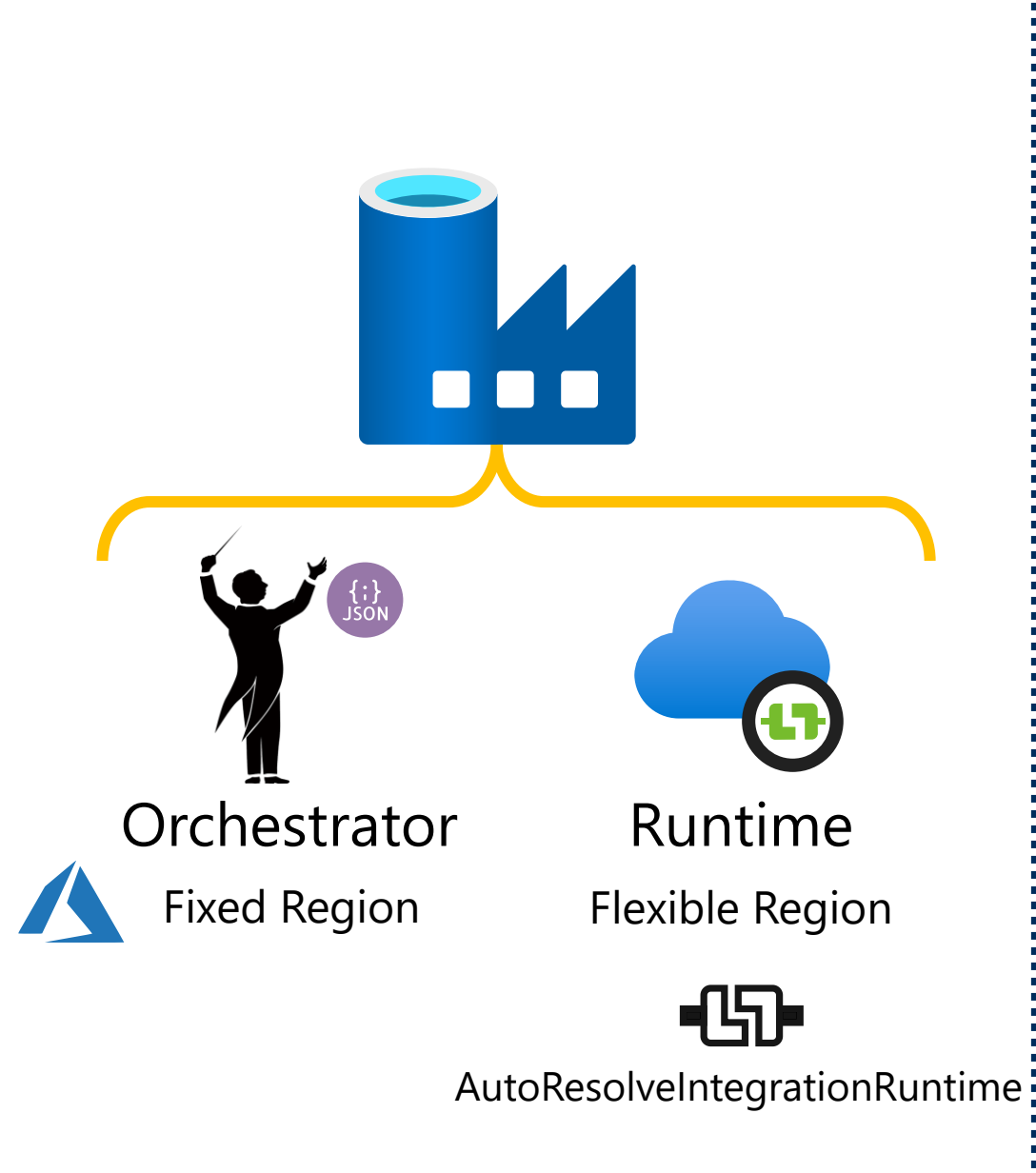
Runtime 2
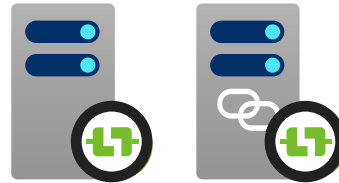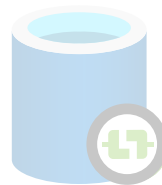
Runtime 3

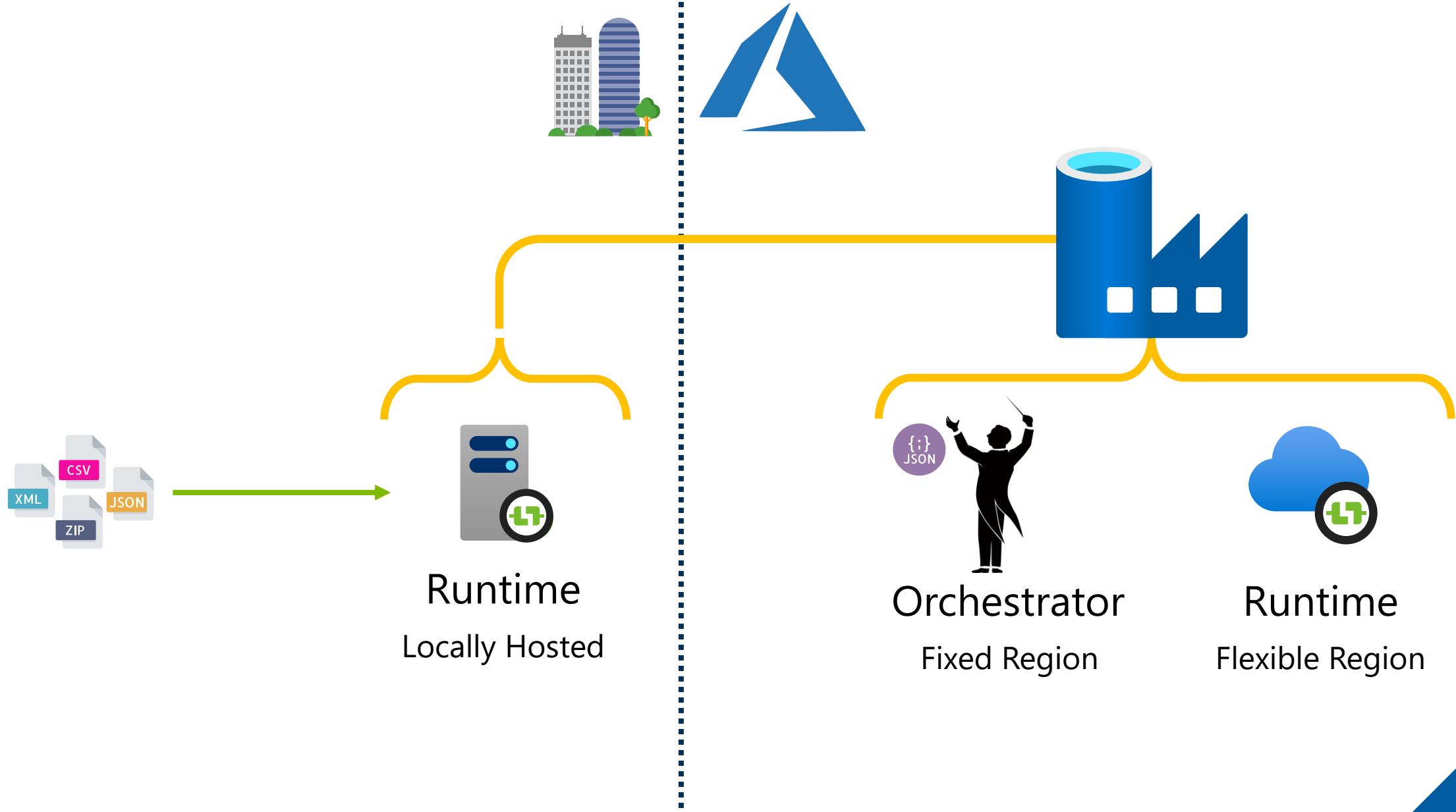# Hosted Integration Runtime
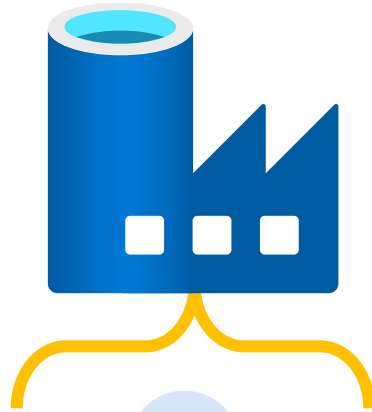


Azure IR

Hosted IR
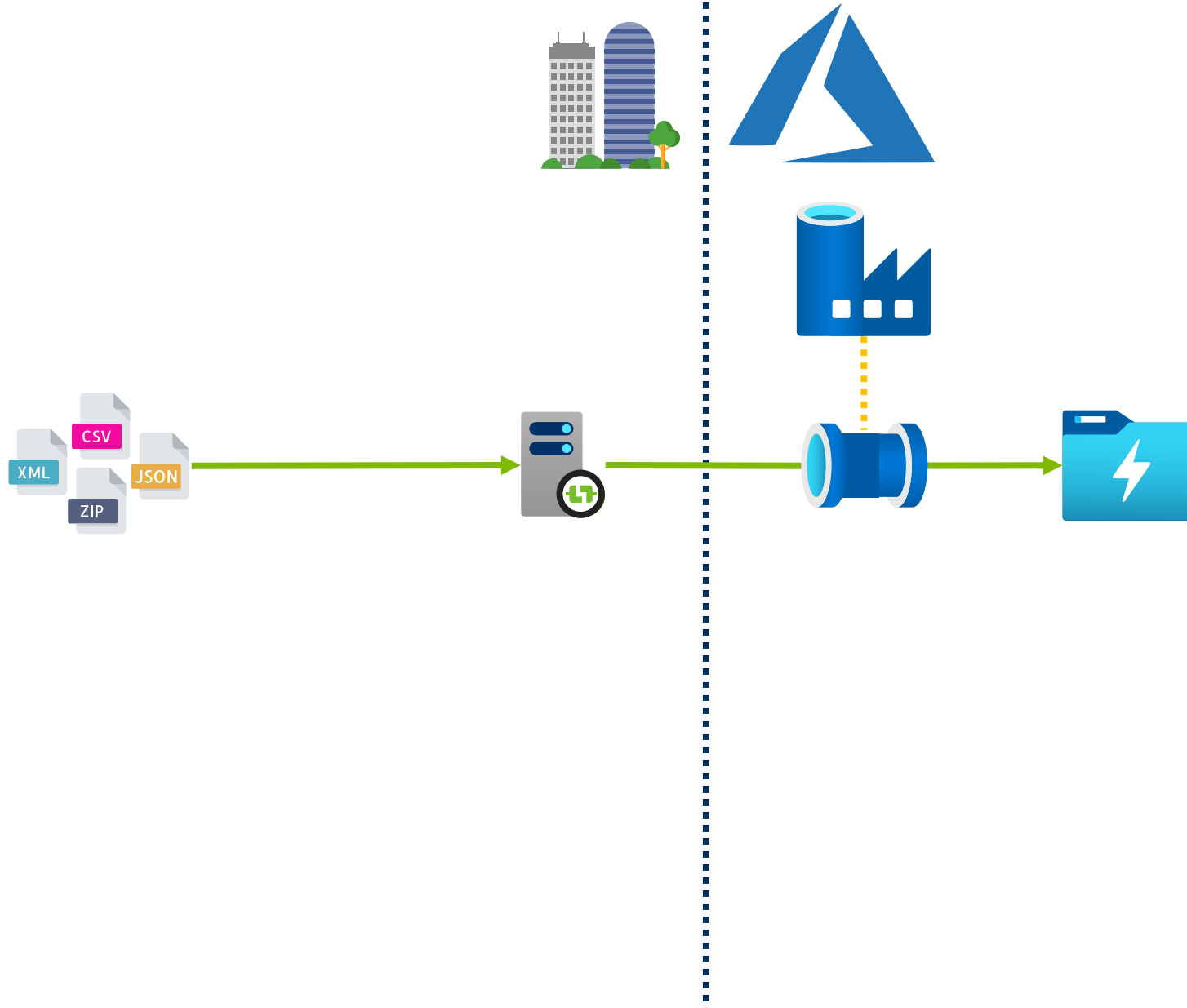
SSIS IR

# Hosted Integration Runtime



Runtime

Orchestrator

Fixed Region

Runtime

Flexible Region
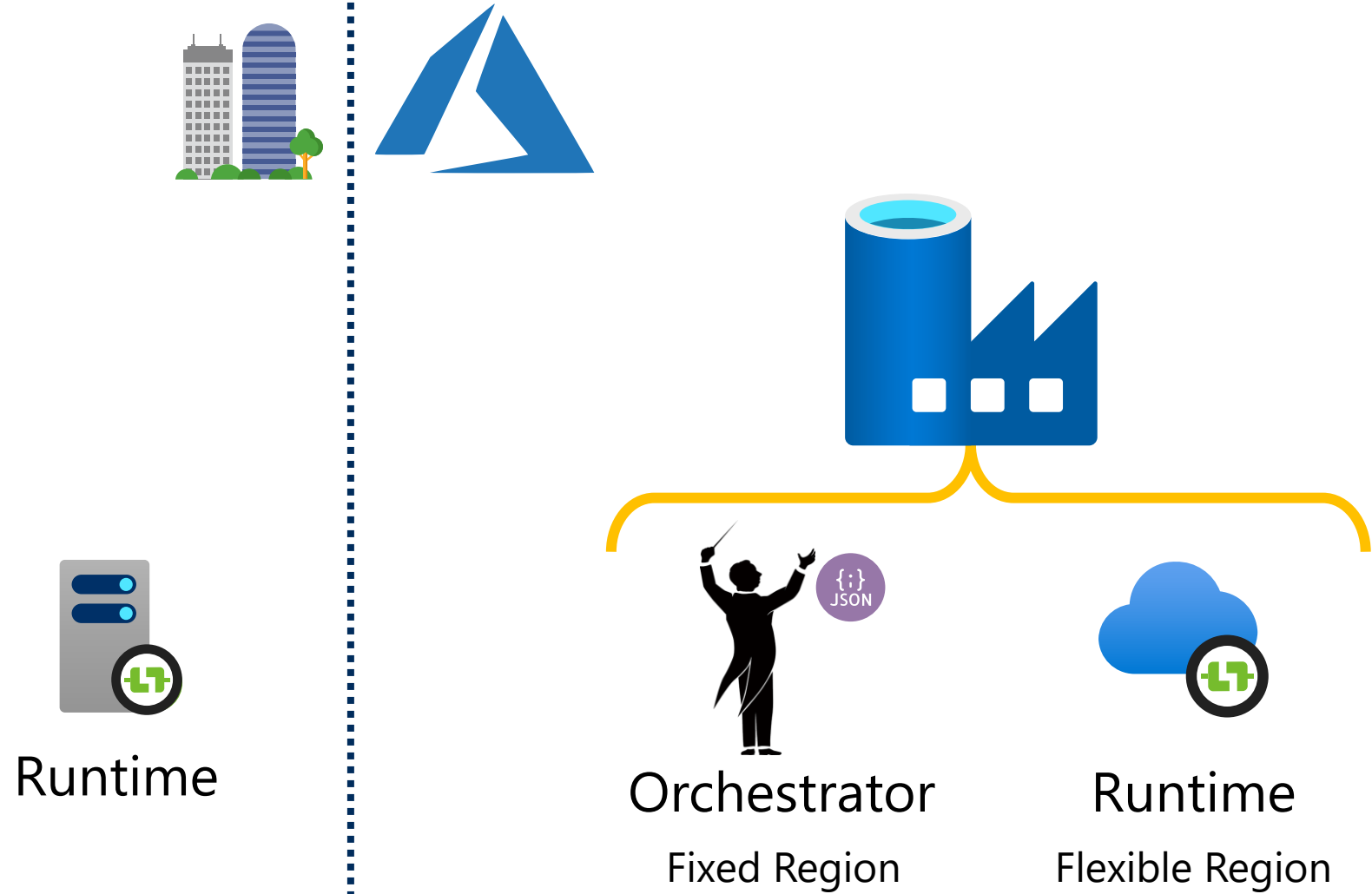
# Hosted IR Deployment Patterns

# Hosted Integration Runtime



Runtime
Locally Hosted

Orchestrator
Fixed Region
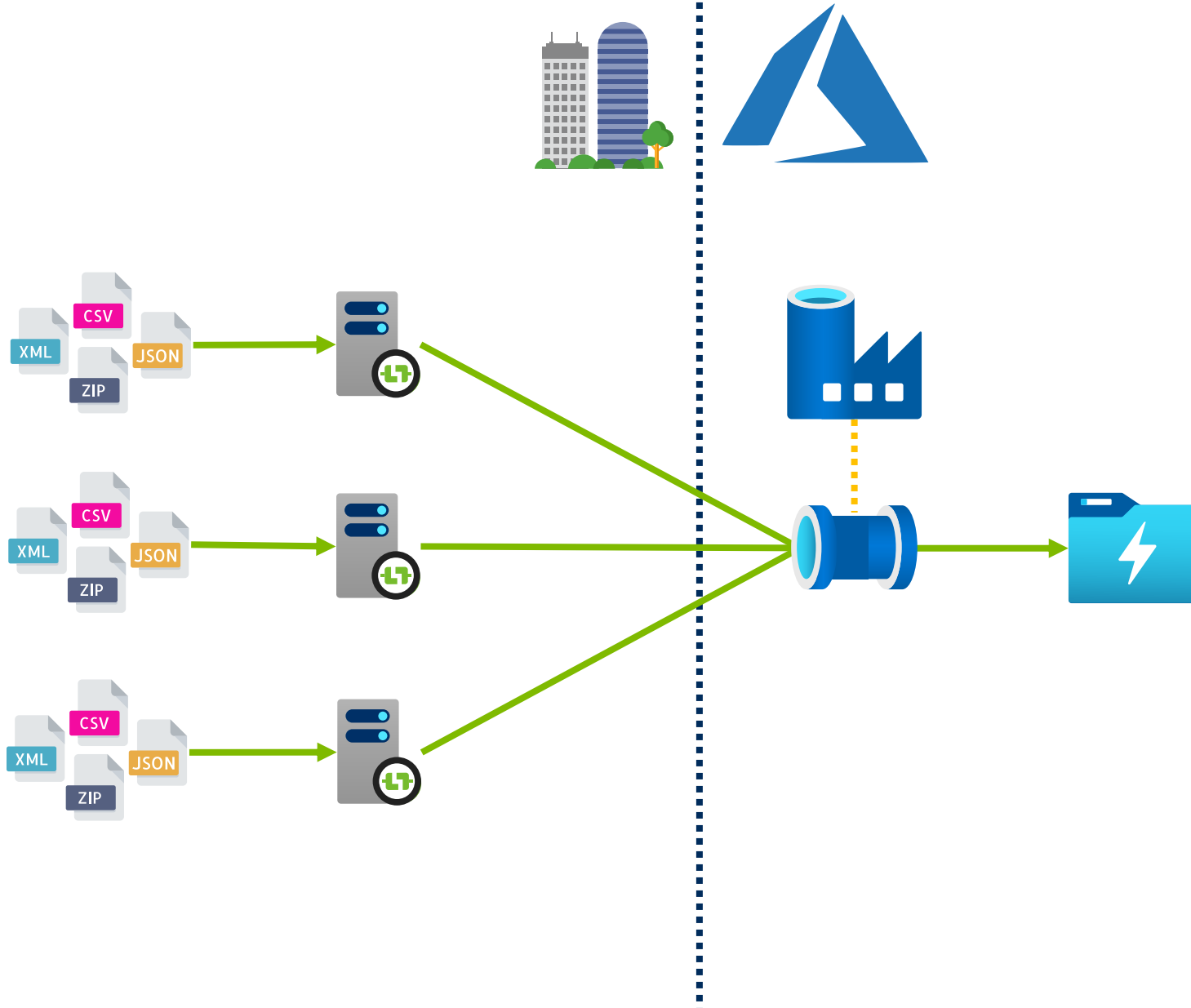
Runtime
Flexible Region

# Single Hosted IR

# Multiple Hosted IR's
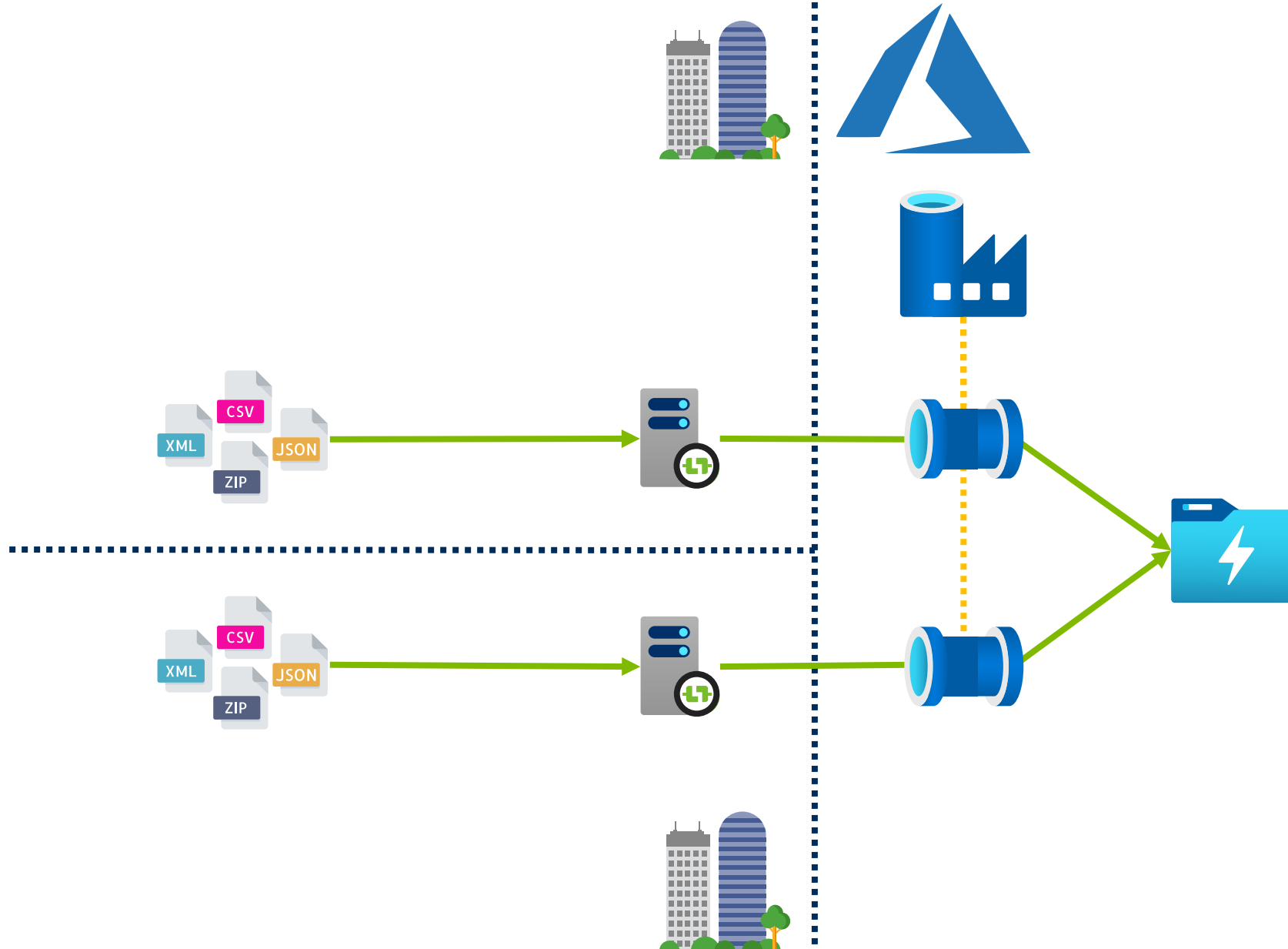
# Multiple Hosted IR's Registered to One Endpoint
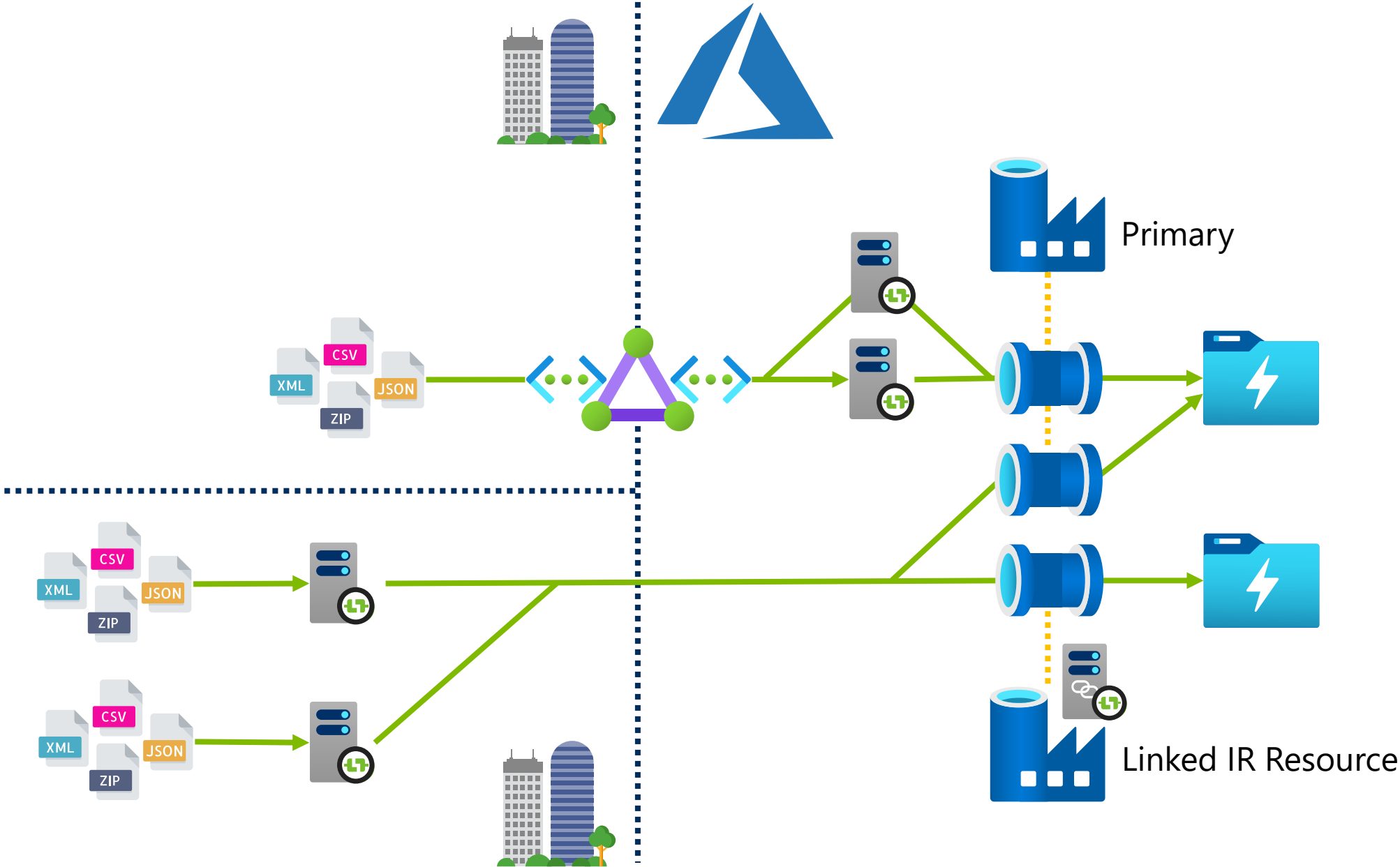
# Linked (Shared) Hosted IR



Primary

Linked IR Resource
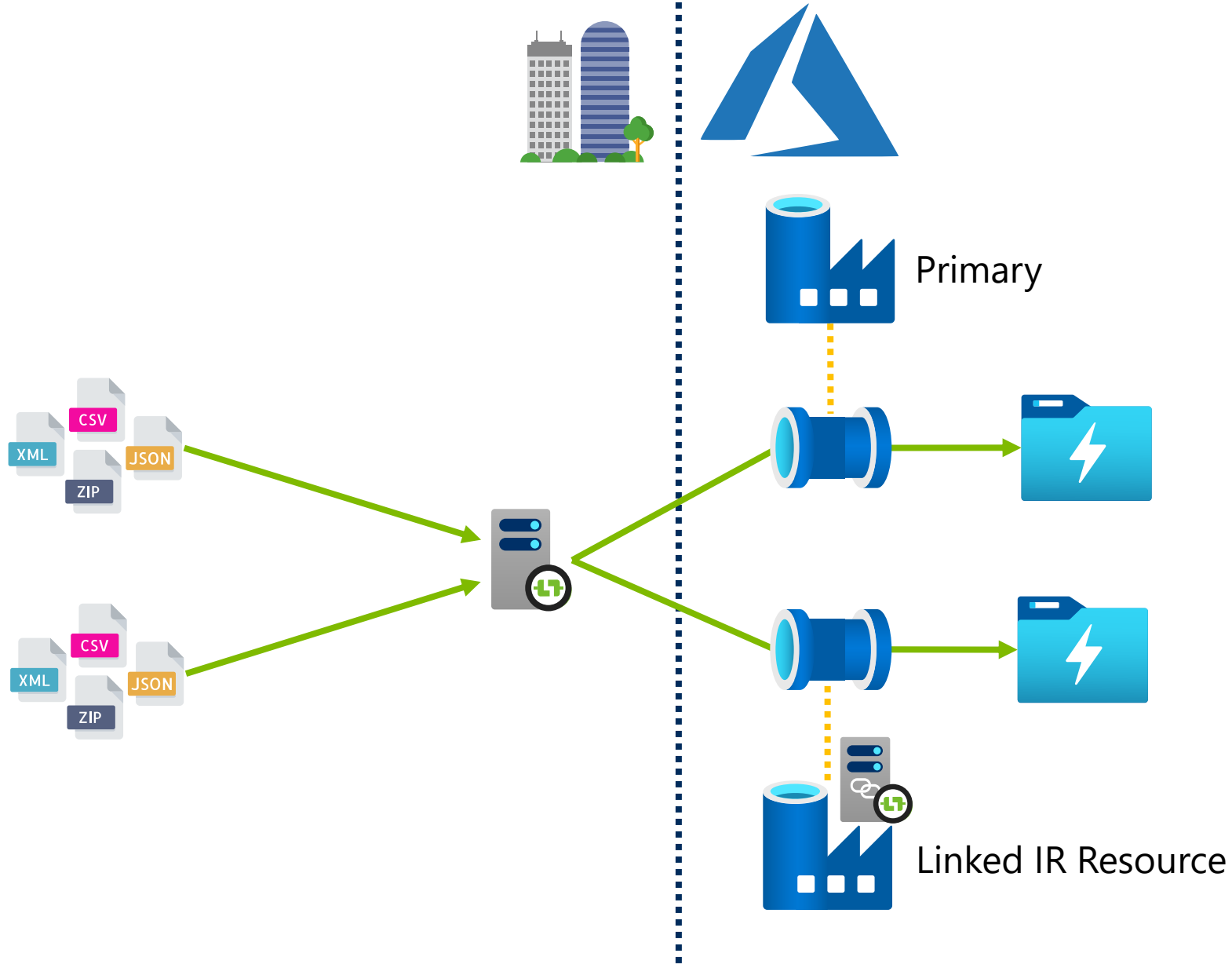
# Hosted IR's with Express Route Connections
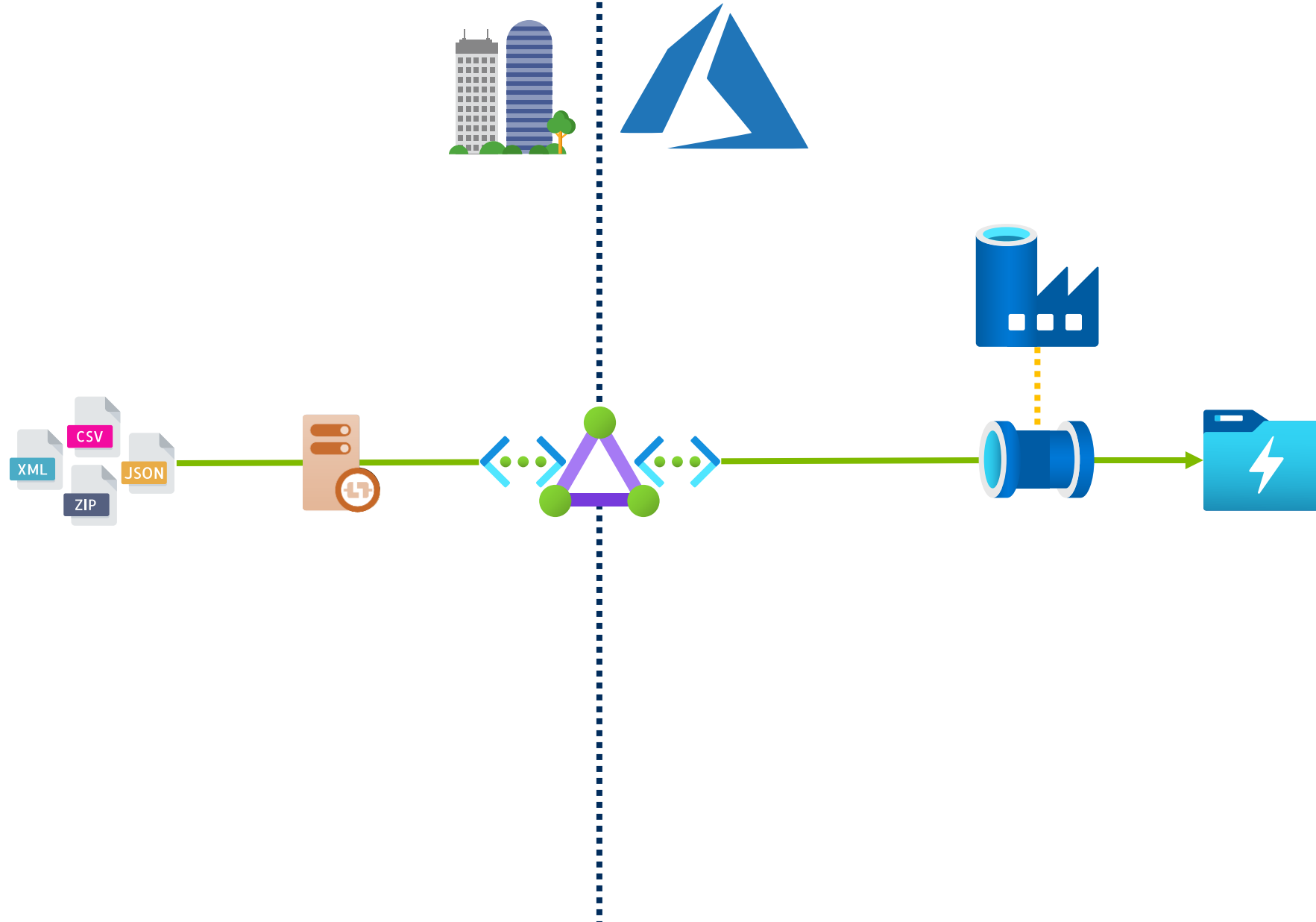
# Hosted IR Combinations
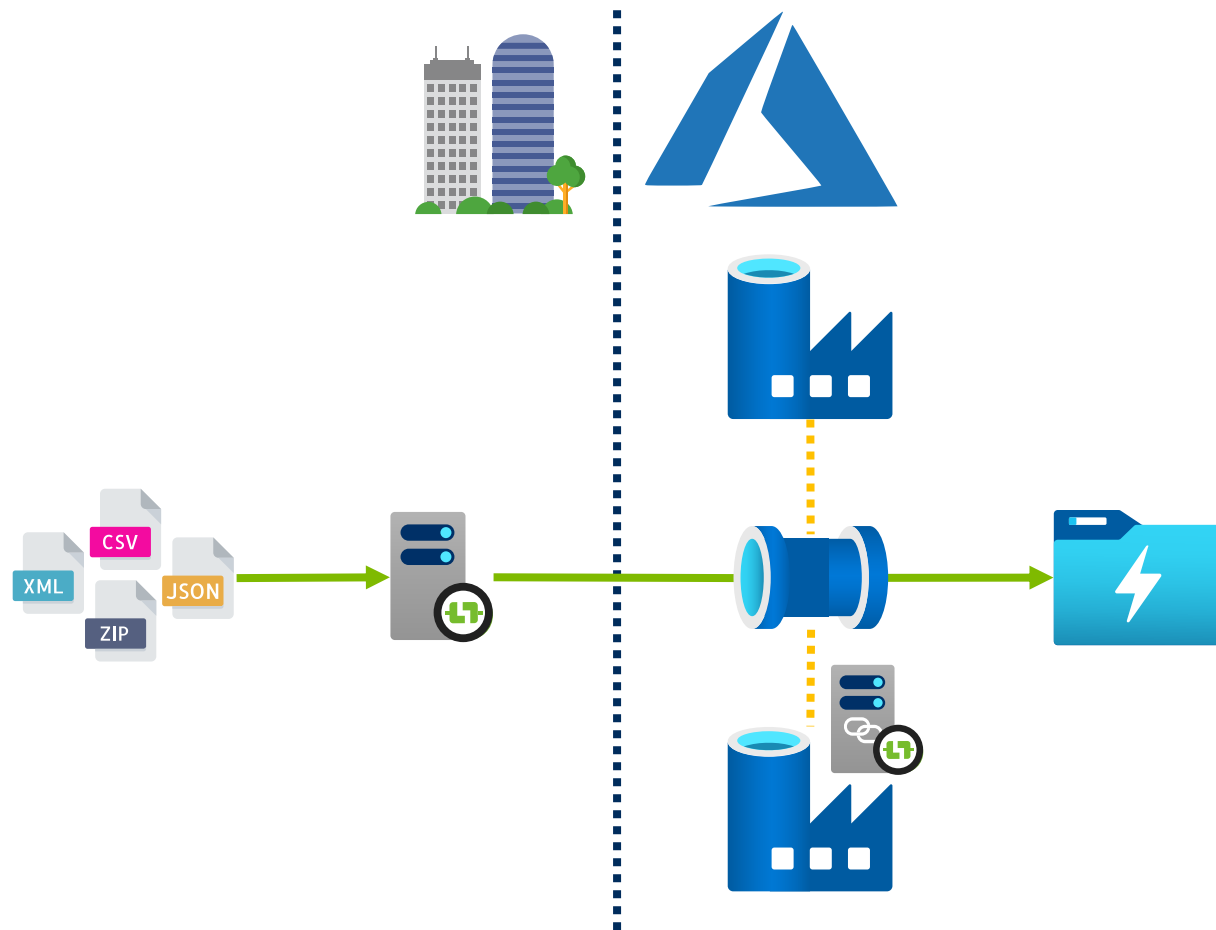

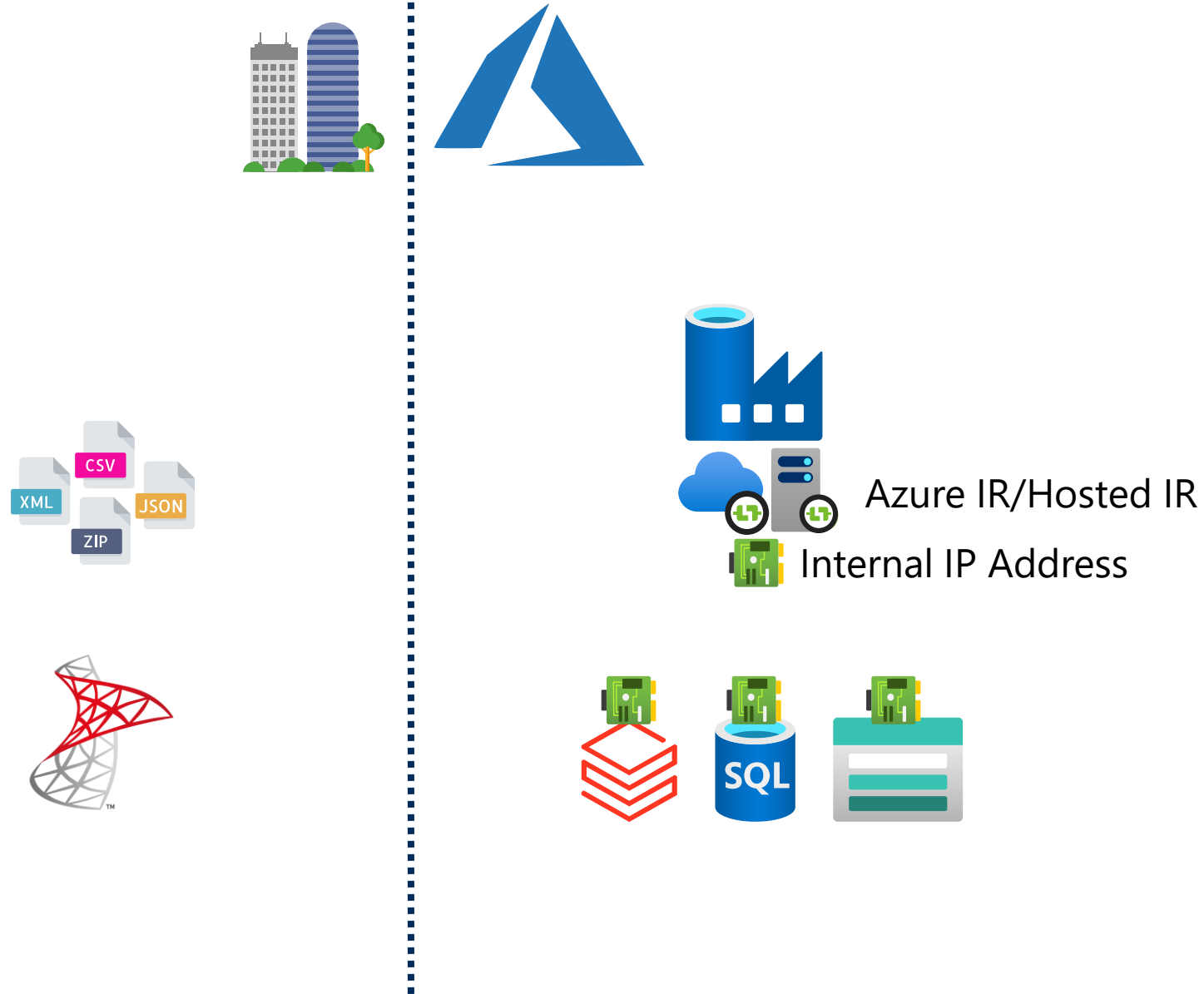
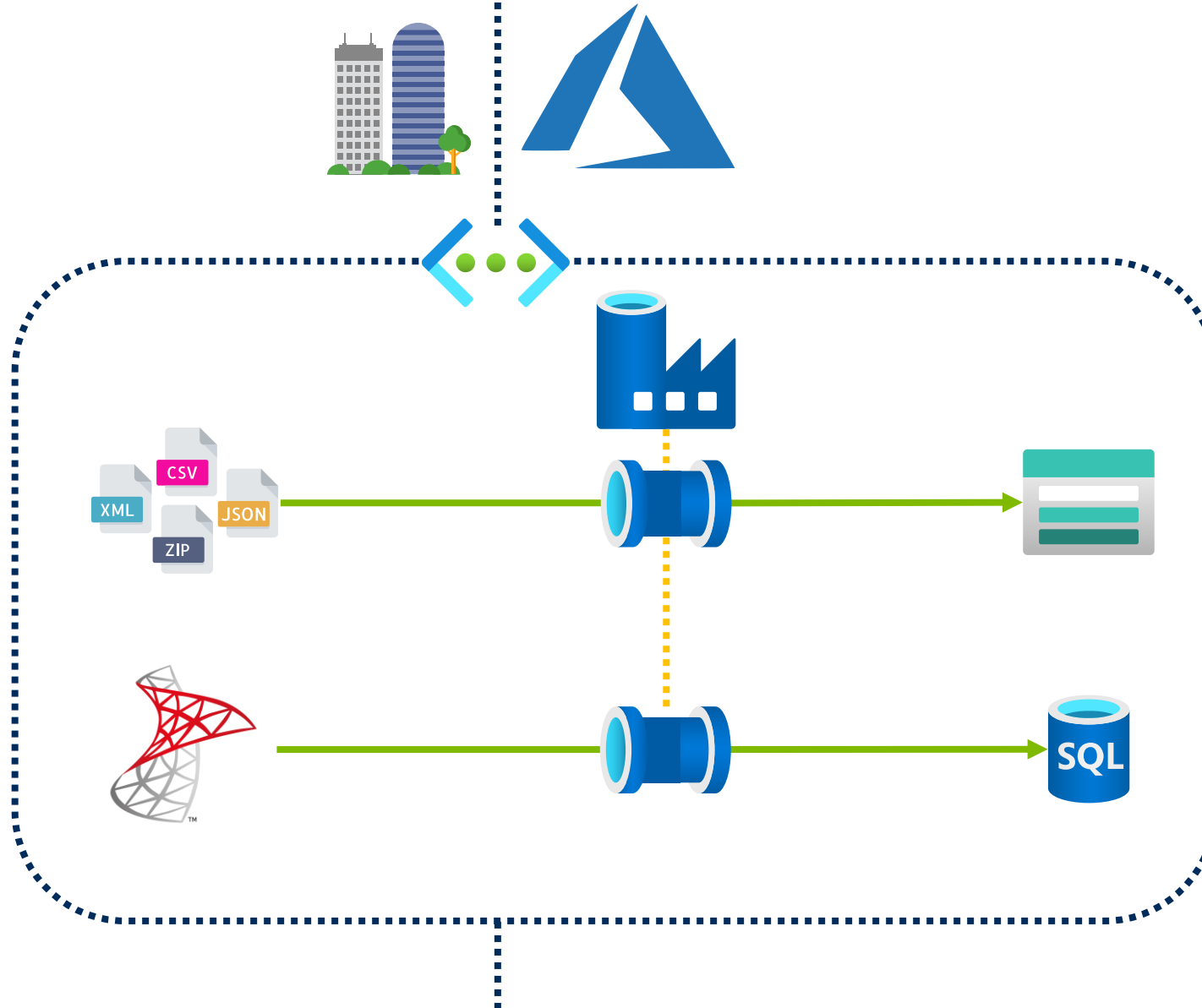Primary

Linked IR Resource

DEMO

# Private Endpoints

# Data Factory Private Endpoint *(Preview Only)*



Azure IR/Hosted IR

Internal IP Address

# Data Factory Private Endpoint *(Preview Only)*

# Module 2:
# Uploading Data to Azure

Integration Runtimes ✓

Hosted IR Patterns ✓

Private Endpoints ✓