

 데이터솔루션



Microsoft

---

# Azure Data Factory

2019년 11월

# 1 Chapter

# Azure Data Factory

# 01 | A fully-managed data integration service in the cloud



## PRODUCTIVE

- Drag & Drop UI
- Codeless Data Movement

## HYBRID

- Orchestrate where your data lives
- Lift SSIS packages to Azure

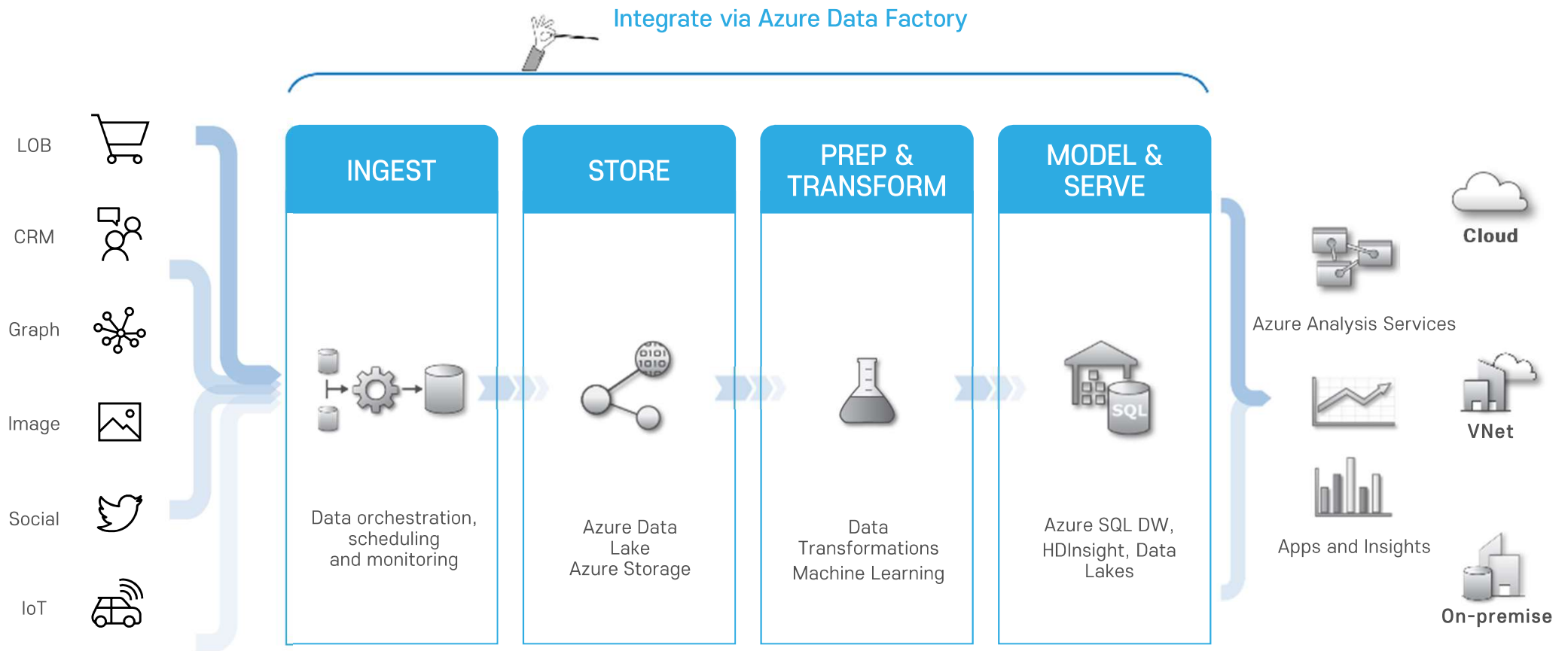
## SCALABLE

- Serverless scalability with no infrastructure to manage

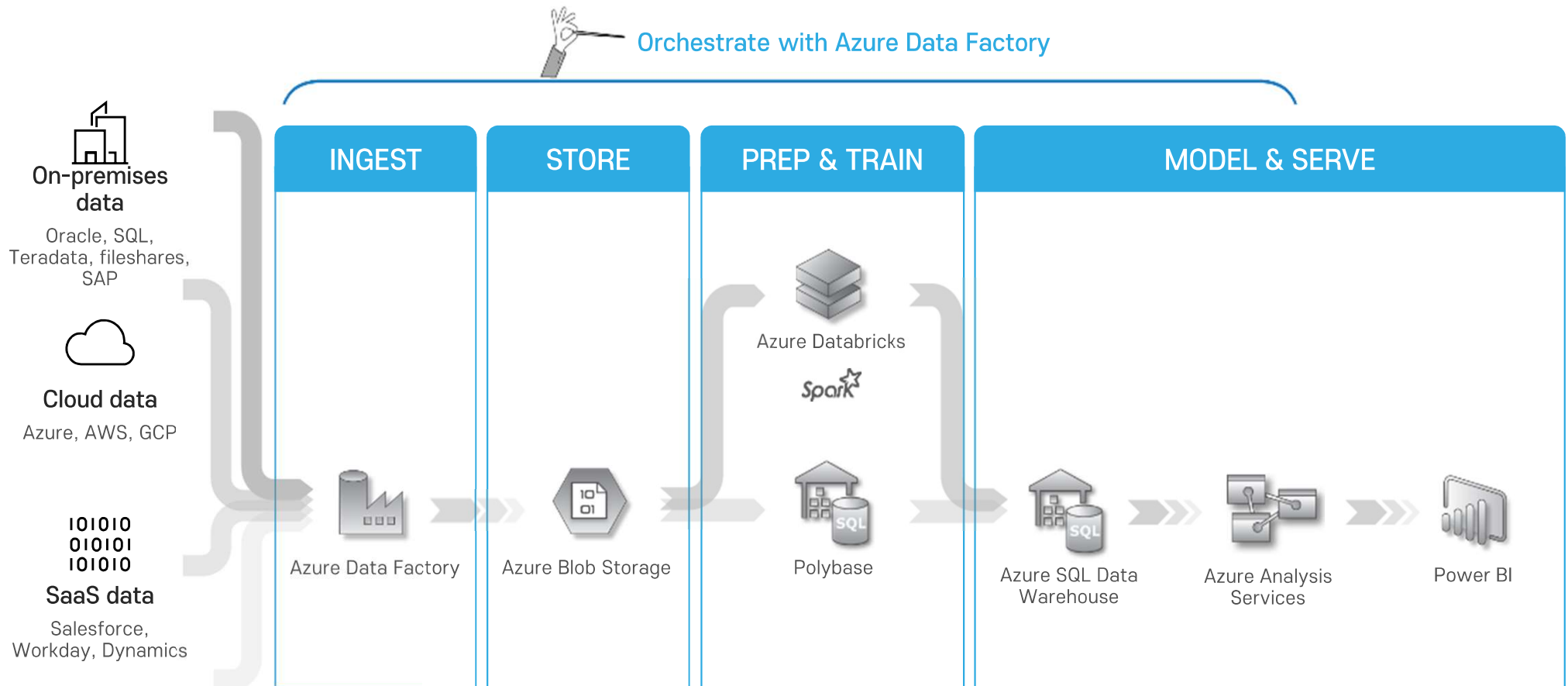
## TRUSTED

- Certified compliant Data Movement

# 02 | Modernize your enterprise Data Warehouse at scale

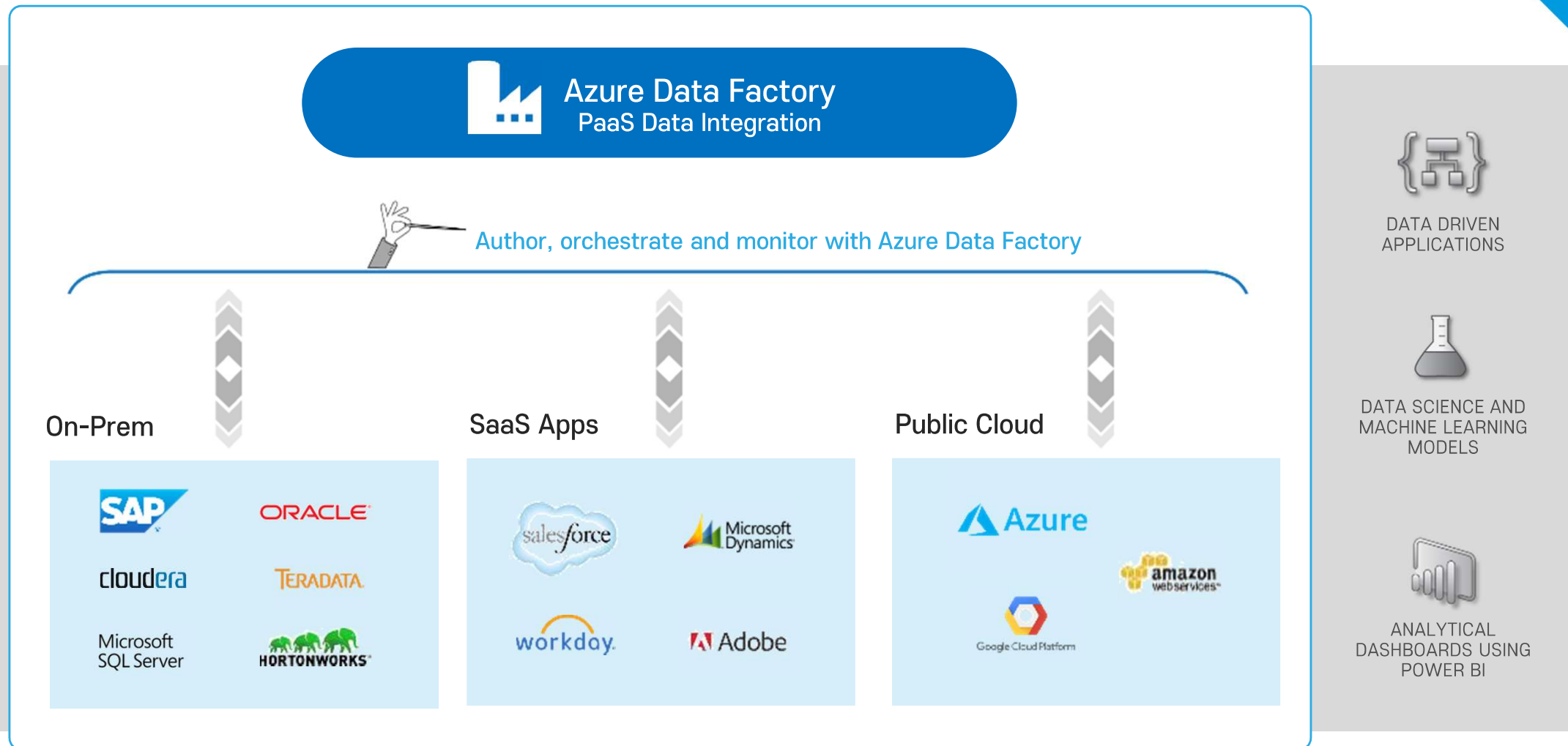


# 03 | Modernize your enterprise Data Warehouse at scale

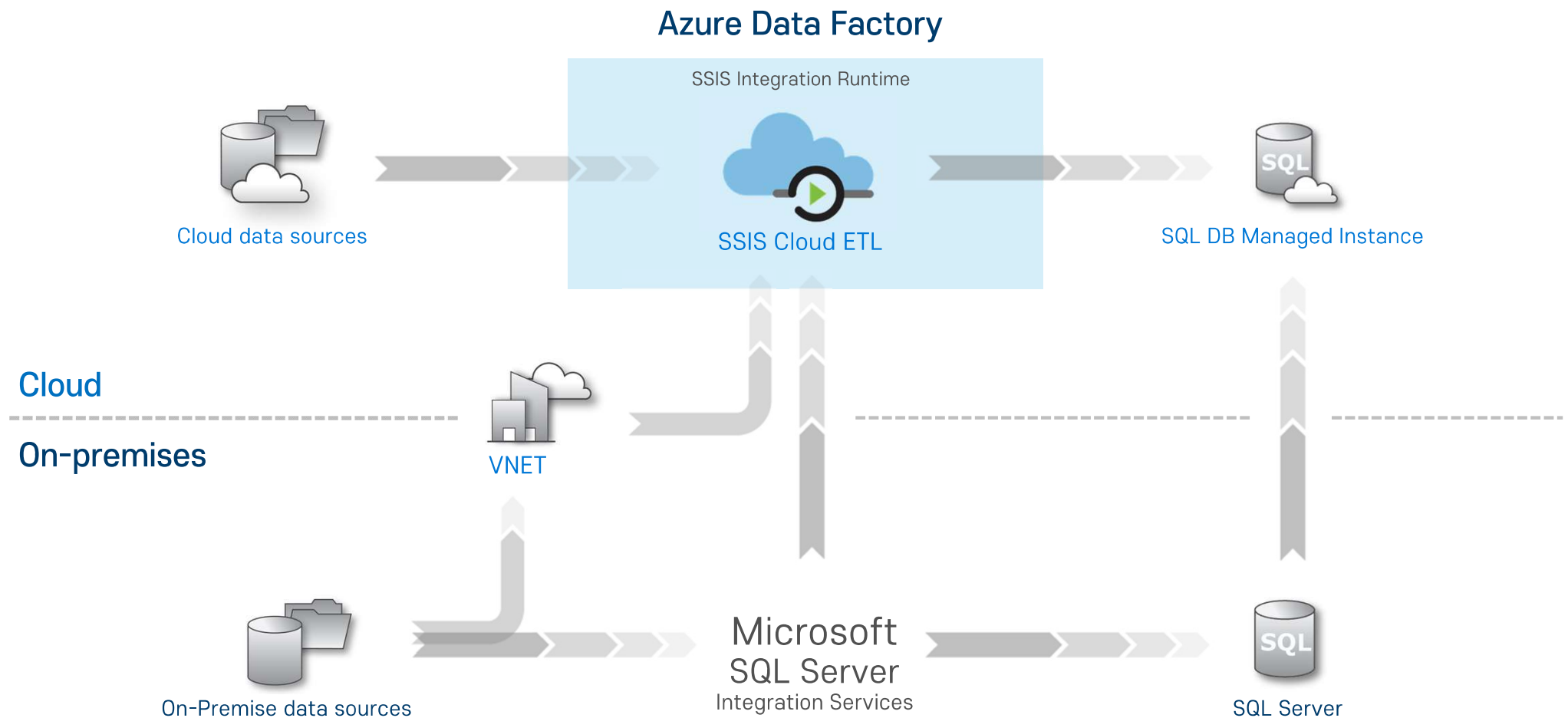


Microsoft Azure also supports other **Big Data** services like **Azure HDInsight**, **Azure SQL Database** and **Azure Data Lake** to allow customers to tailor the above architecture to meet their unique needs.

# 04 | Hybrid and Multi-Cloud Data Integration



# 05 | Lift your SQL Server Integration Service (SSIS) packages to Azure

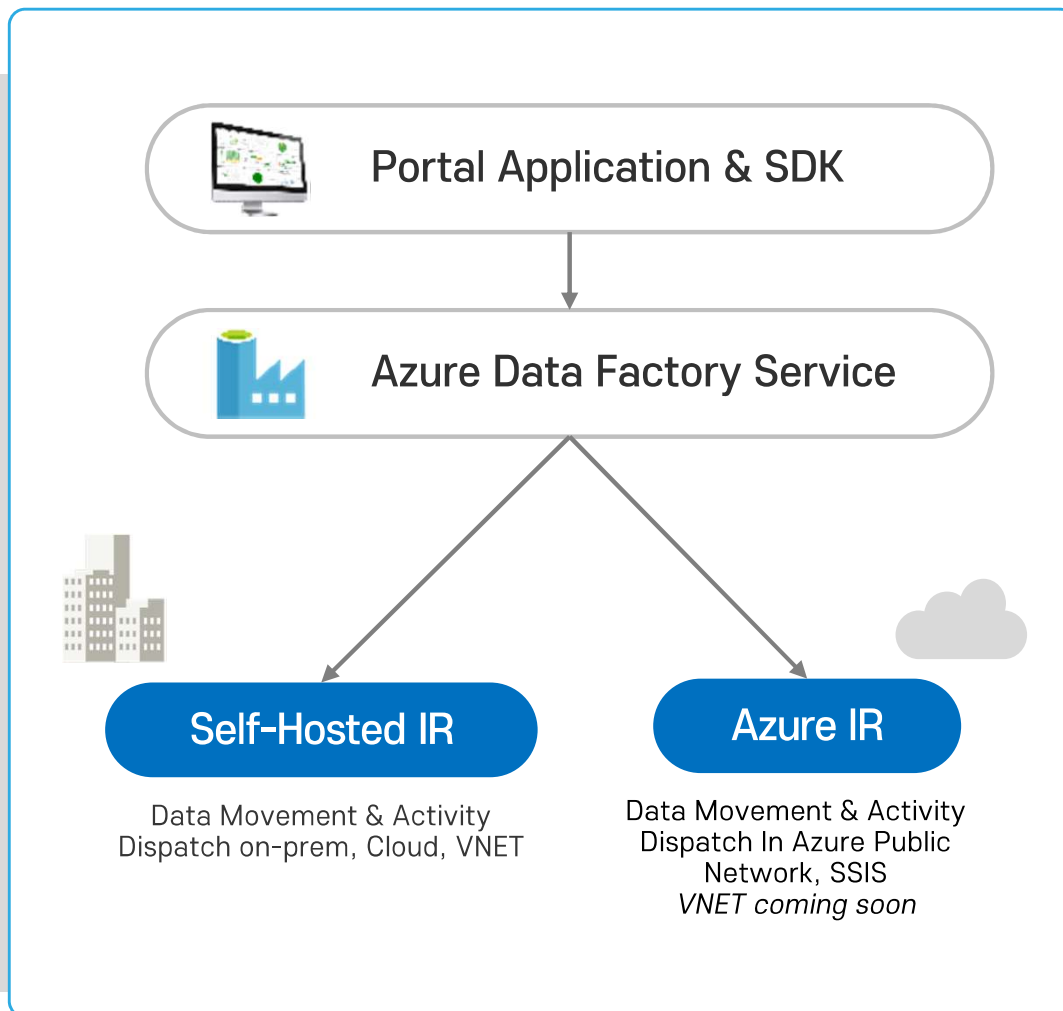


## 2 Chapter

# ADF Integration Runtime



# 01 | ADF Integration Runtime (IR)

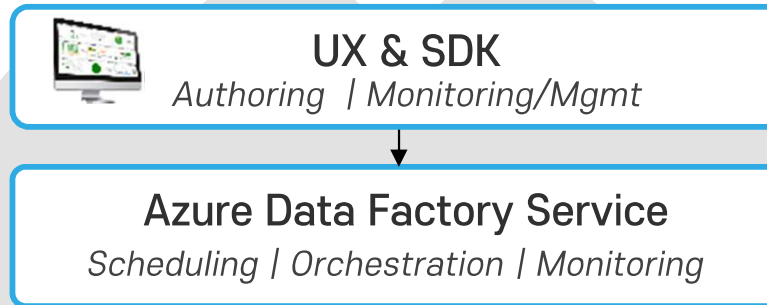


- ADF compute environment with multiple capabilities:
  - Activity dispatch & monitoring
  - Data movement
  - SSIS package execution
- To integrate data flow and control flow across the enterprises' hybrid cloud, customer can instantiate multiple IR instances for different network environments:
  - On premises (similar to DMG in ADF V1)
  - In public cloud
  - Inside Vnet
- Bring a consistent provision and monitoring experience across the network environments

## 2. ADF Integration Runtime

↔ Command & Control

↔ Data Flow



### On Premises Apps & Data



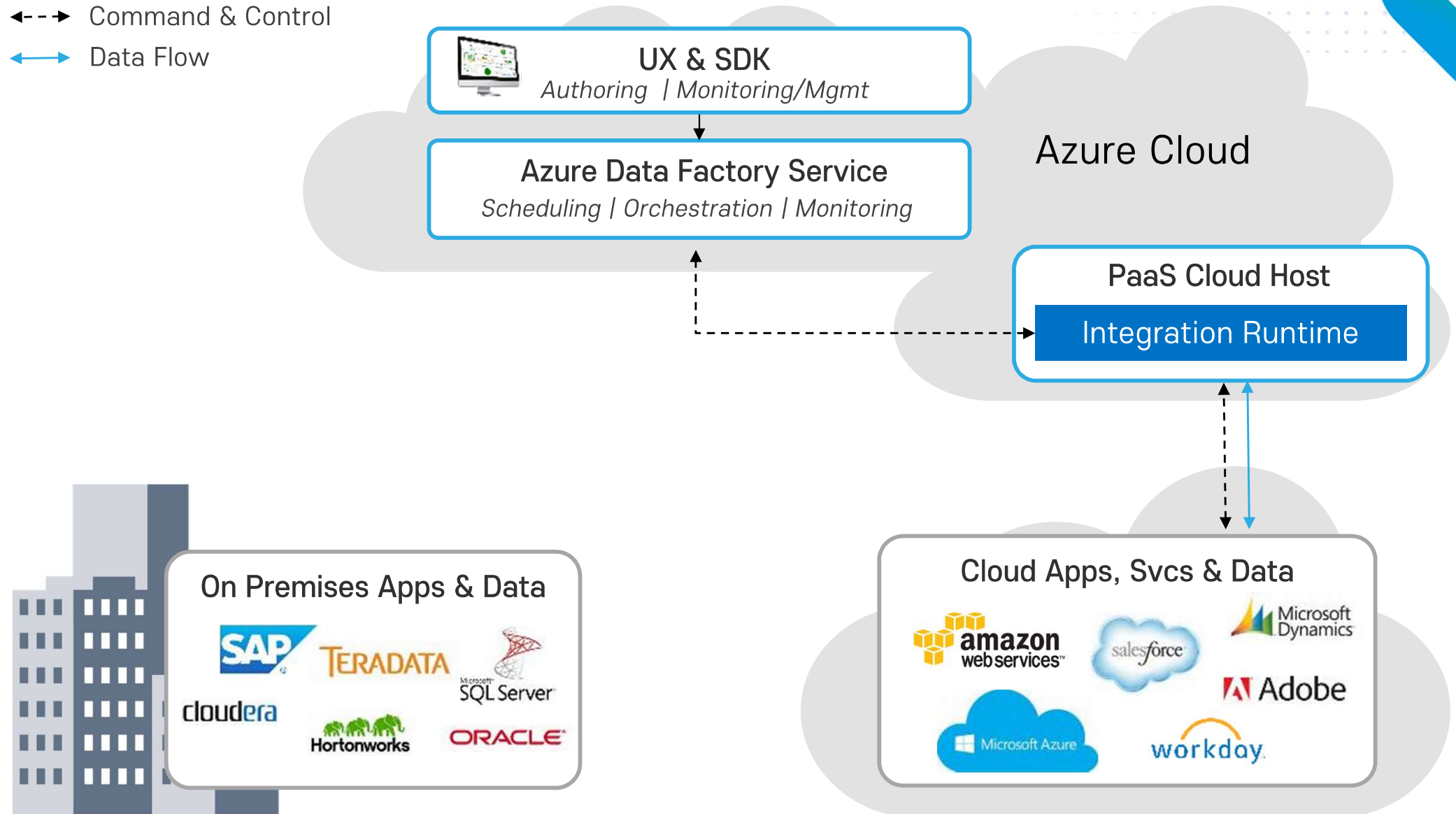
### Cloud Apps, Svcs & Data



## 2. ADF Integration Runtime

←--→ Command & Control

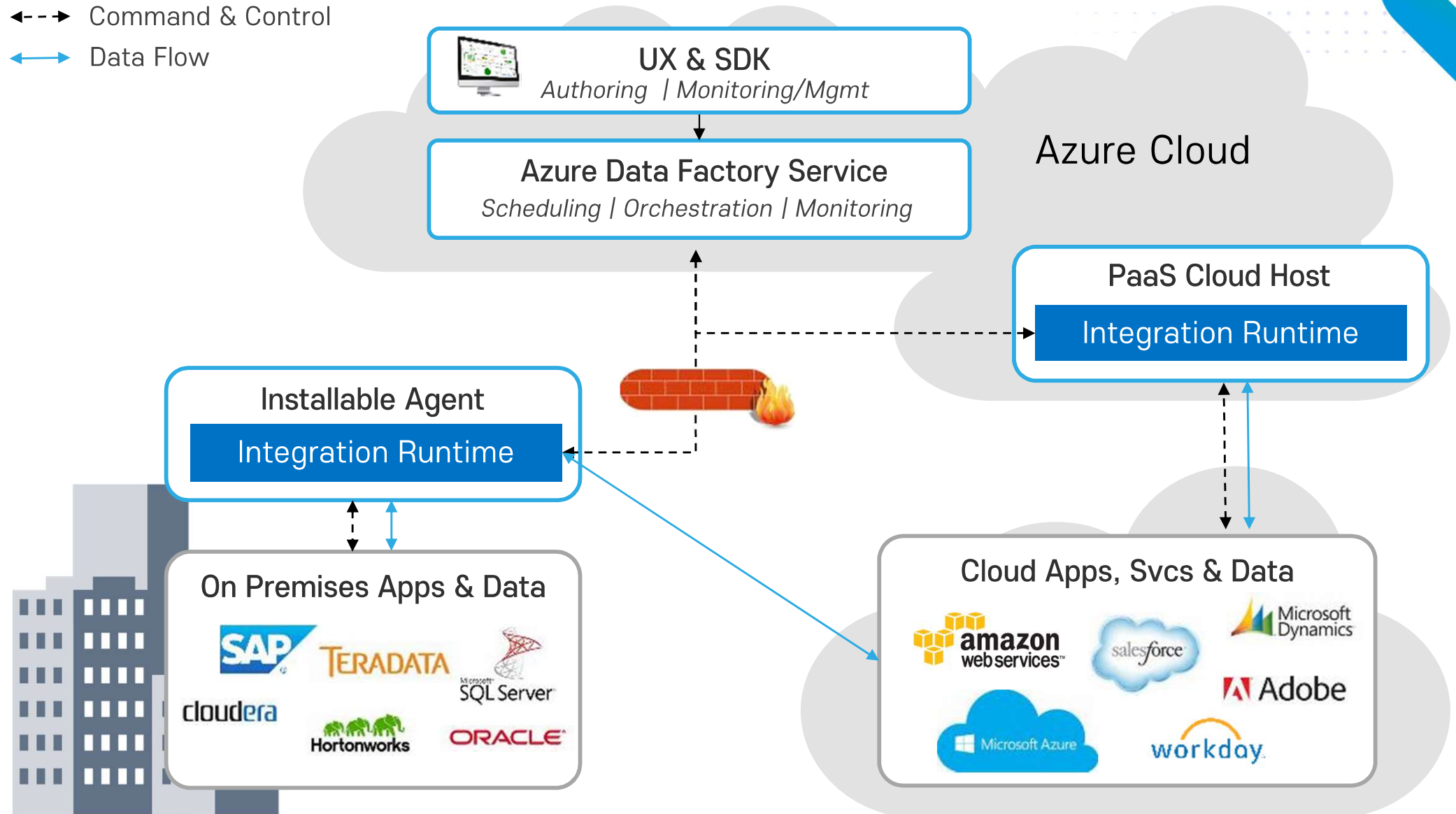
↔ Data Flow



## 2. ADF Integration Runtime

↔ Command & Control

→ Data Flow



## 2. ADF Integration Runtime

↔ Command & Control

→ Data Flow



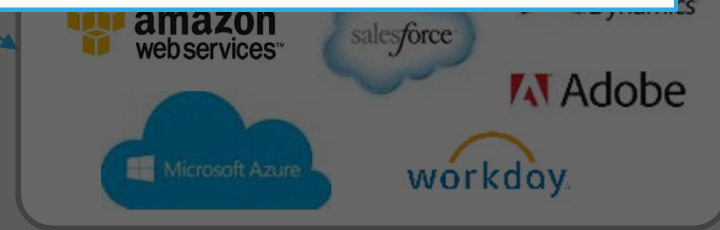
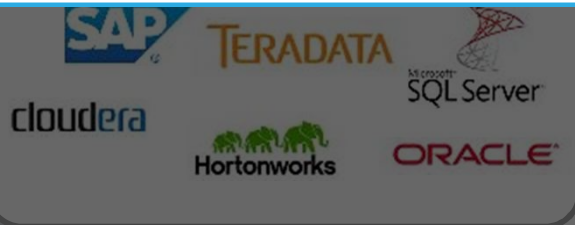
UX & SDK  
Authoring / Monitoring/Mgmt

### Integration Runtime

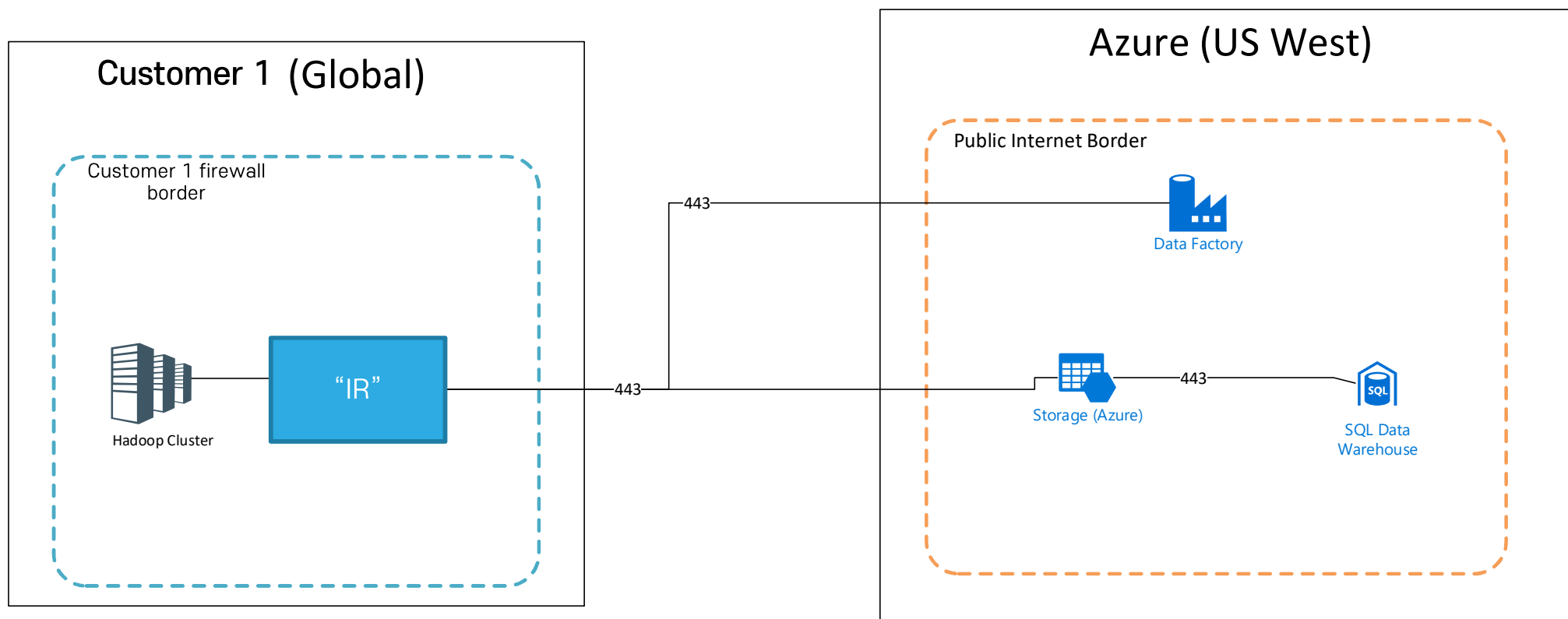
Activity Dispatch/Monitor (spark, copy, ml, etc)

Data Movement

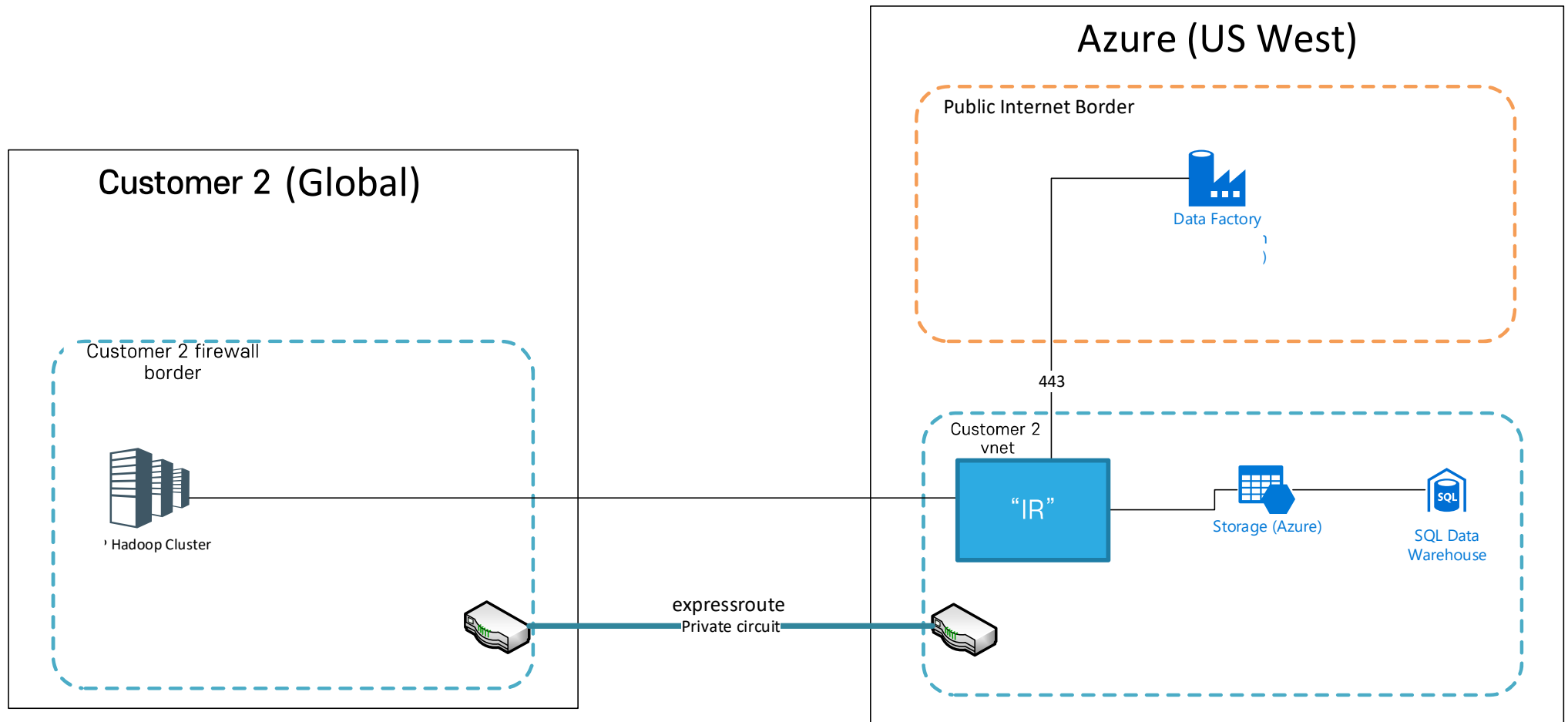
SSIS Package Execution



# 02 | Azure Data Factory “Integration Runtime” deployed on premises for transformation and then moved to cloud



# 03 | Azure Data Factory “Integration Runtime” deployed inside VNet





 데이터솔루션

데이터로  
새로운 세상을 그린다.

Thank you

