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# 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

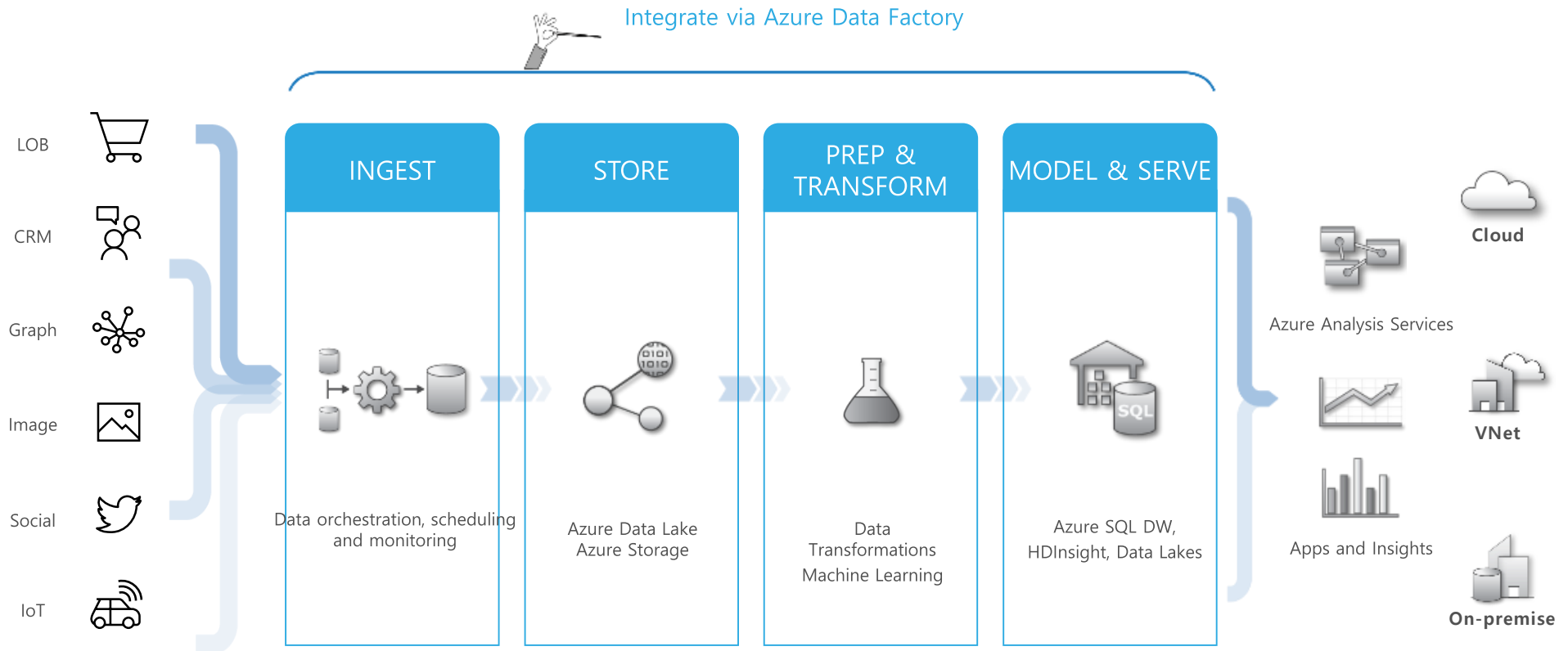
## SCALABLE

- Serverless scalability with no infrastructure to manage

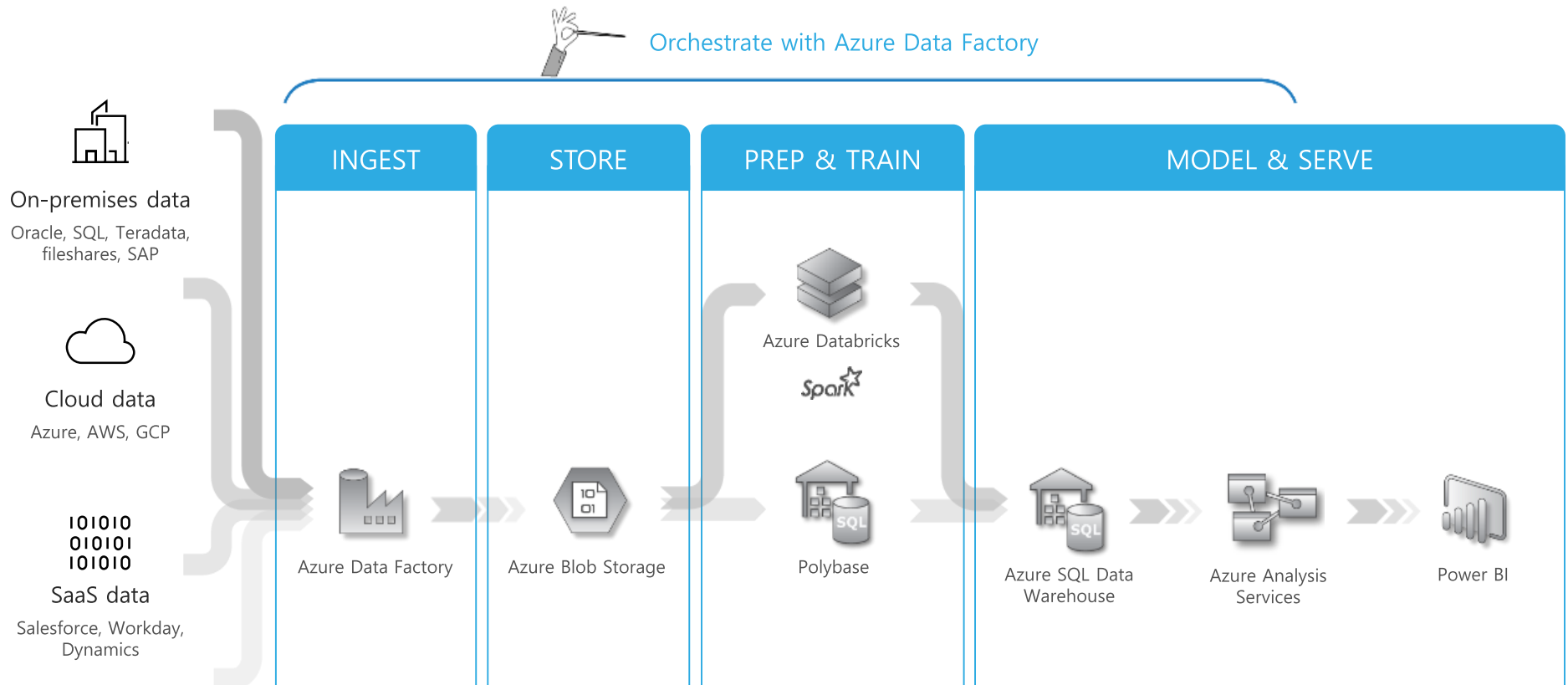
## TRUSTED

- Certified compliant Data Movement

# 02 | Modernize your enterprise Data Warehouse at scale

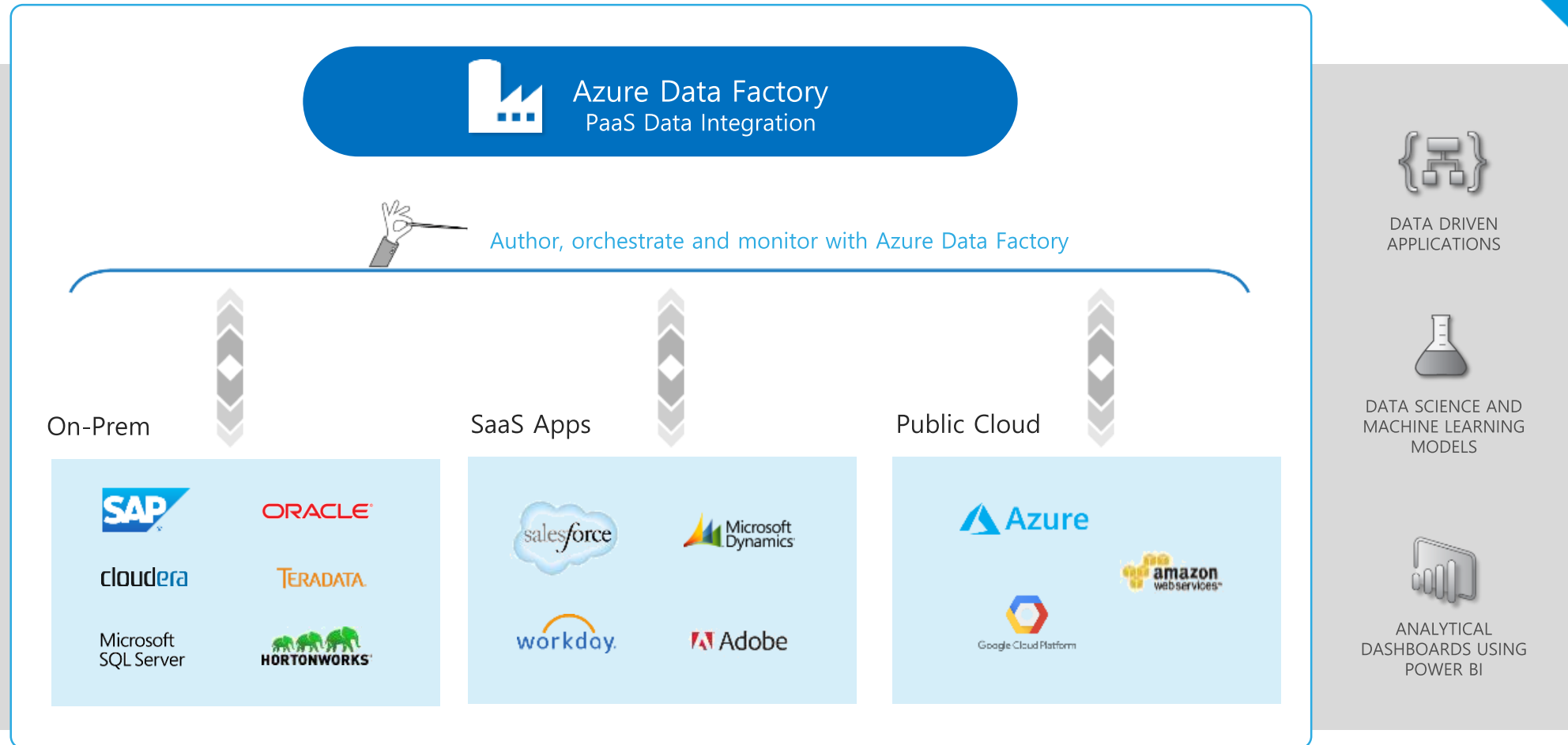


# 03 | Modernize your enterprise Data Warehouse at scale

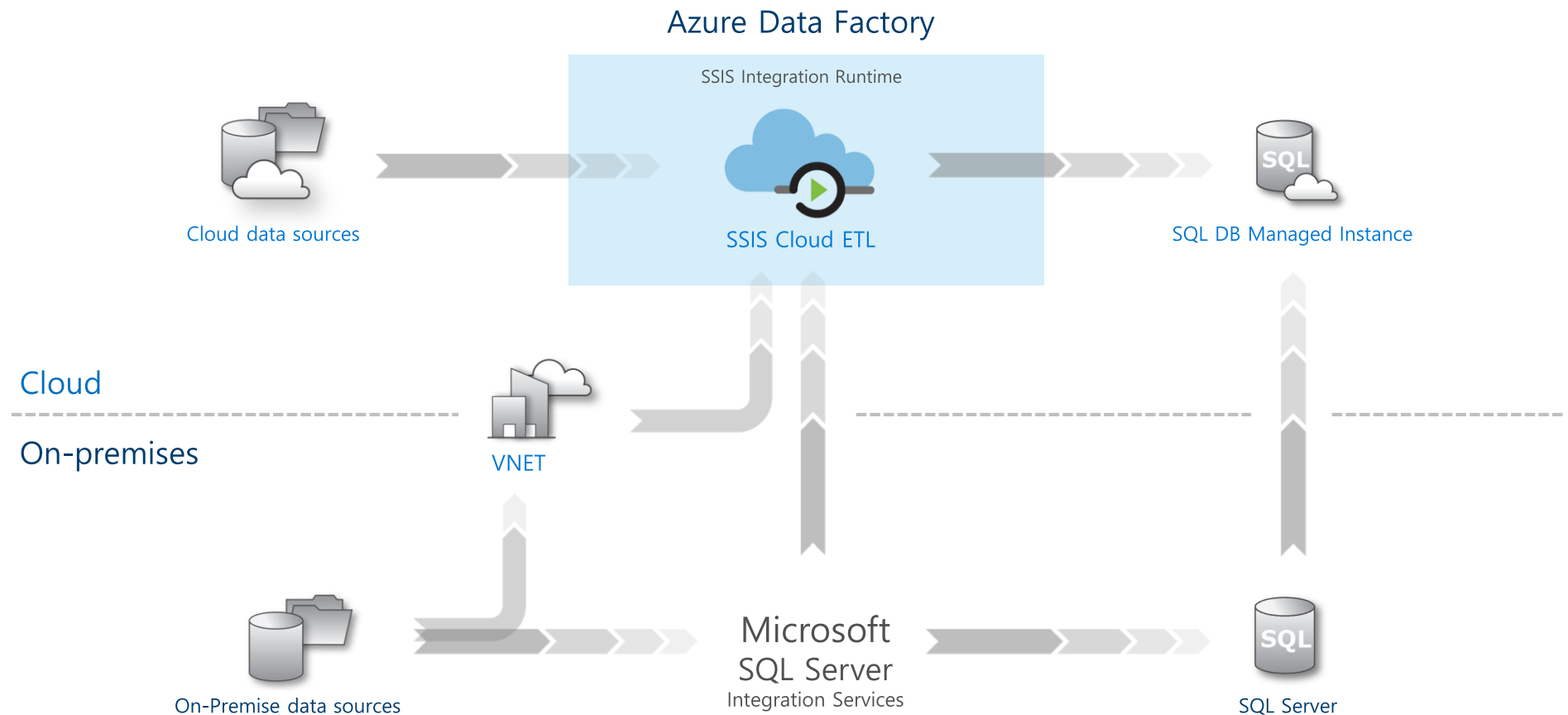


Microsoft Azure also supports other Big Data services like Azure HDInsight, Azure SQL Database and Azure Data Lake to allow customers to tailor the above architecture to meet their unique needs.

# 04 | Hybrid and Multi-Cloud Data Integration



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

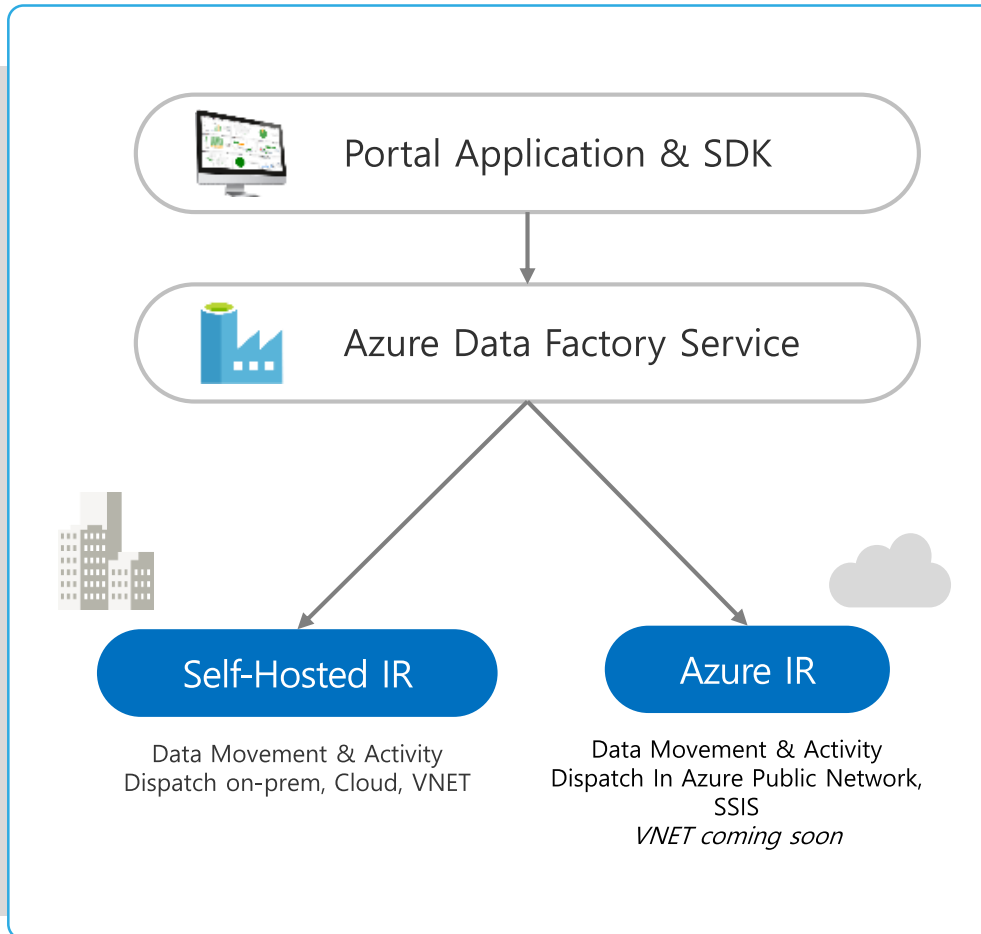


## 2 Chapter

# ADF Integration Runtime



# 01 | ADF Integration Runtime (IR)

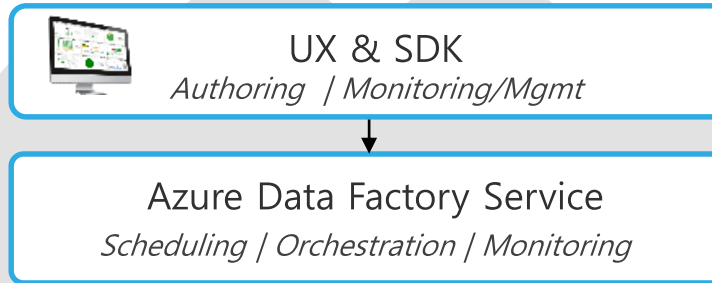


- ADF compute environment with multiple capabilities:
  - Activity dispatch & monitoring
  - Data movement
  - SSIS package execution
- To integrate data flow and control flow across the enterprises' hybrid cloud, customer can instantiate multiple IR instances for different network environments:
  - 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

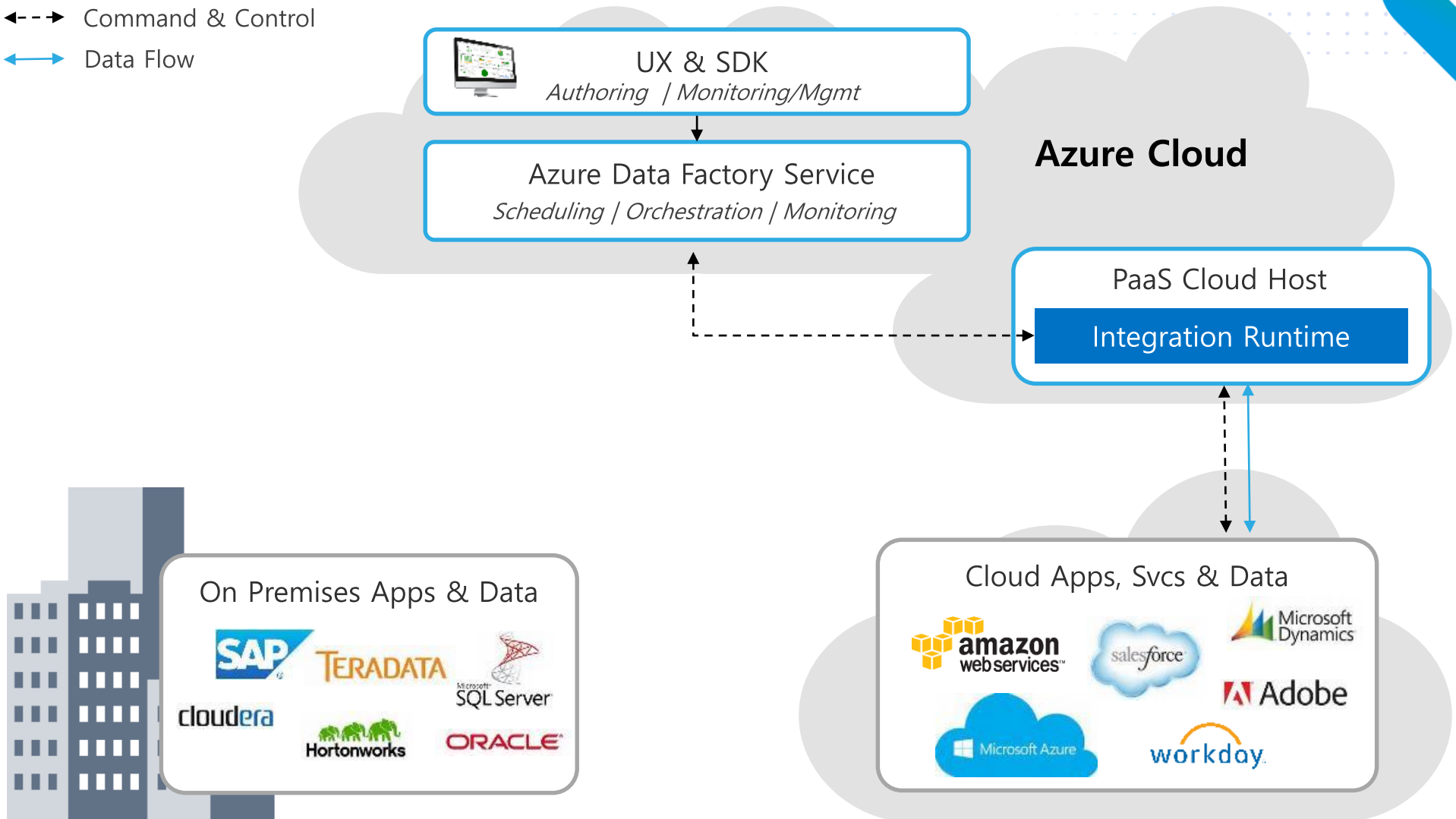


### Cloud Apps, Svcs & Data



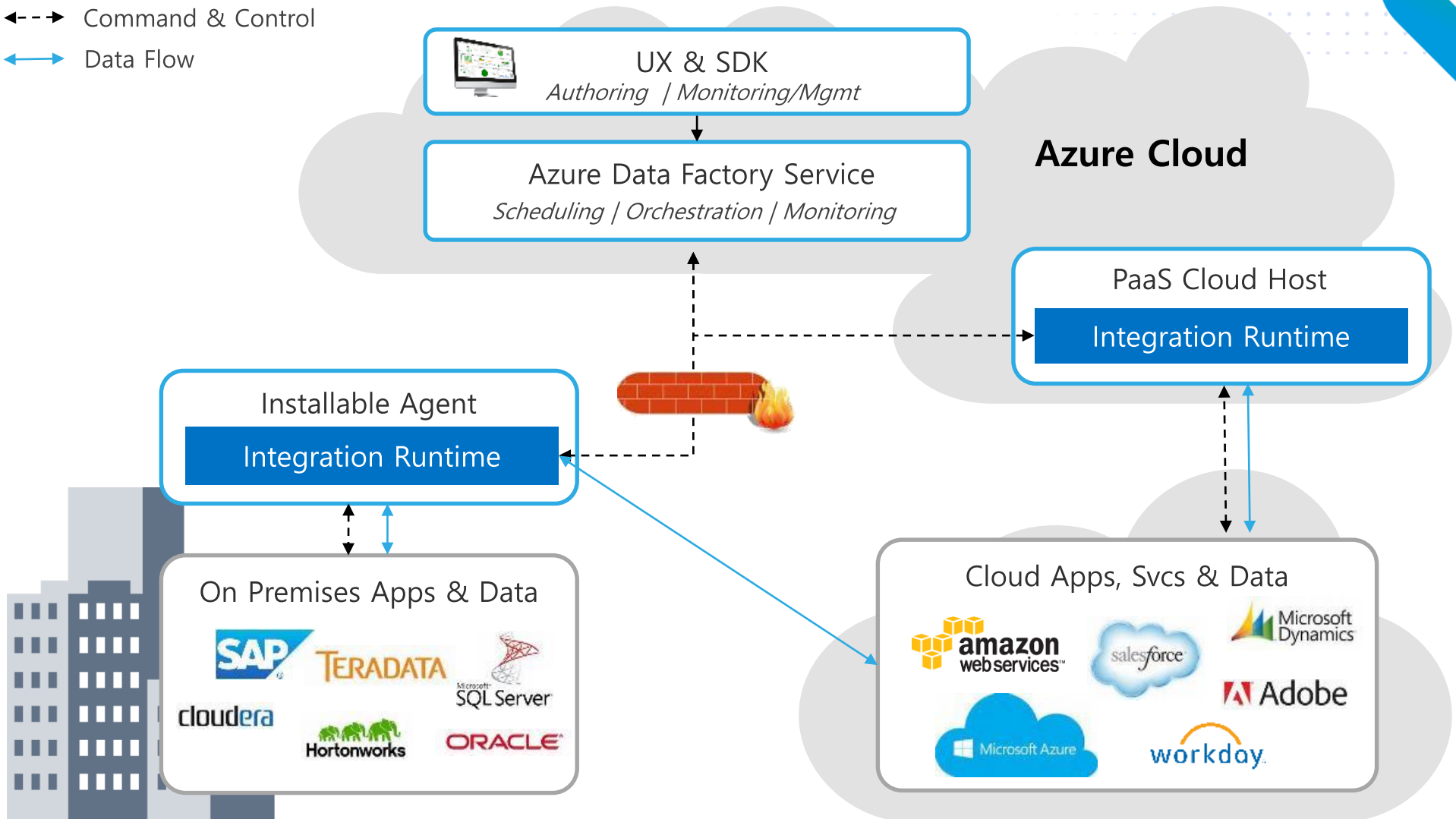
## 2. ADF Integration Runtime

←--→ 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

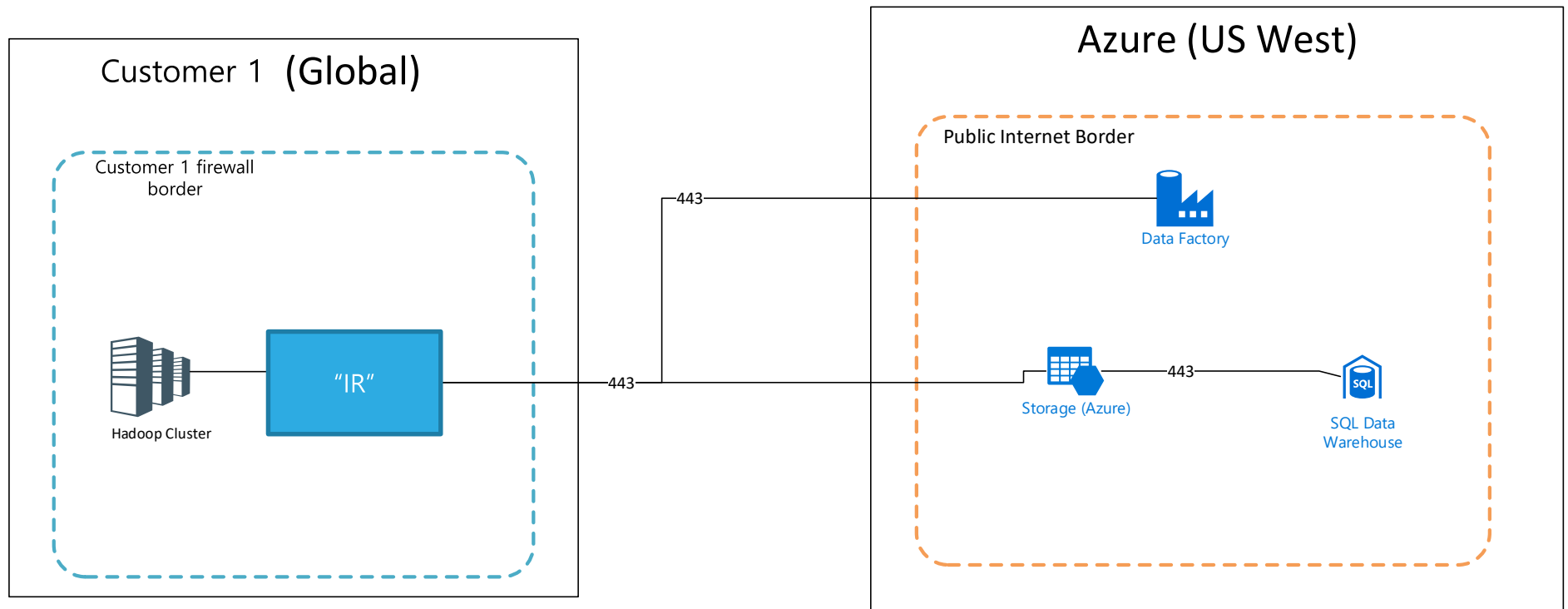
Activity Dispatch/Monitor (spark, copy, ml, etc)

Data Movement

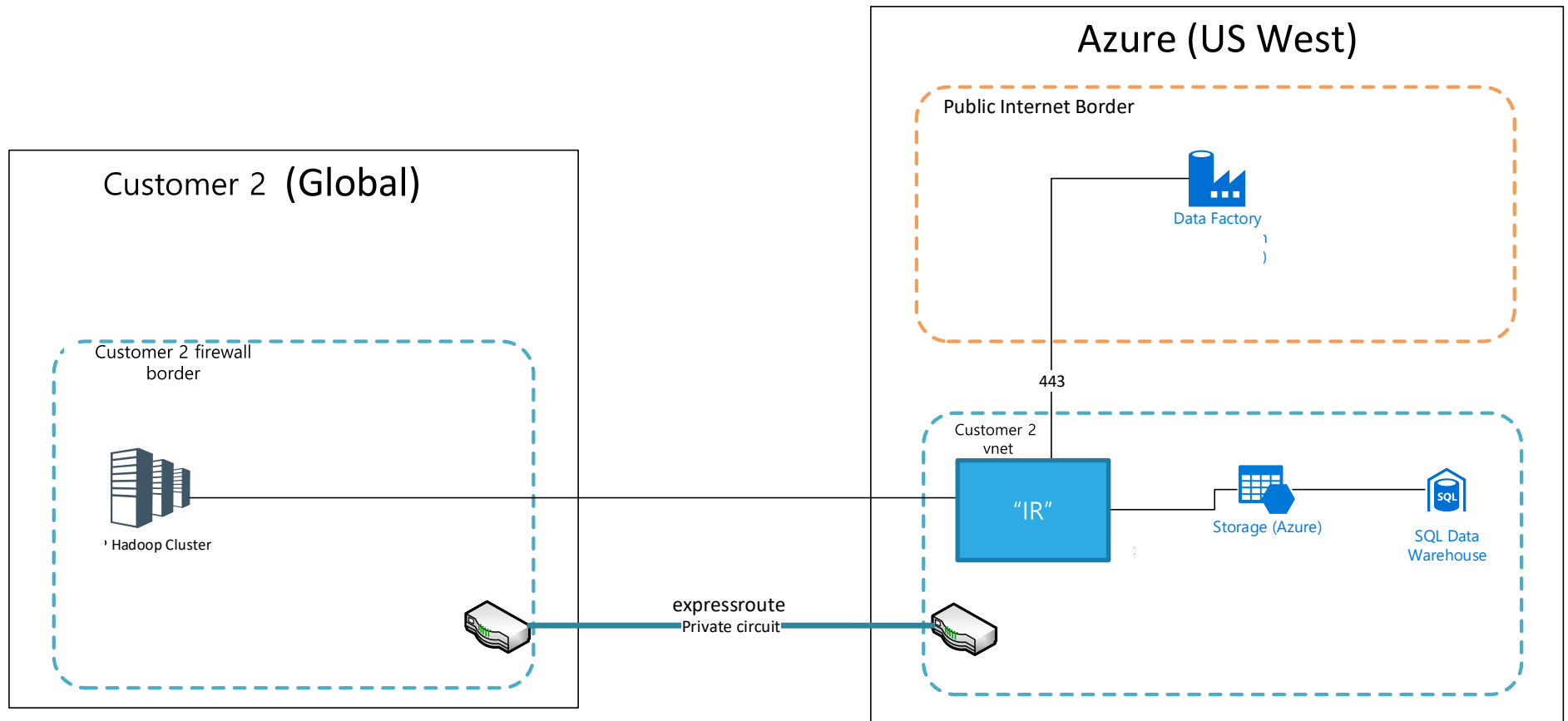
SSIS Package Execution



# 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

