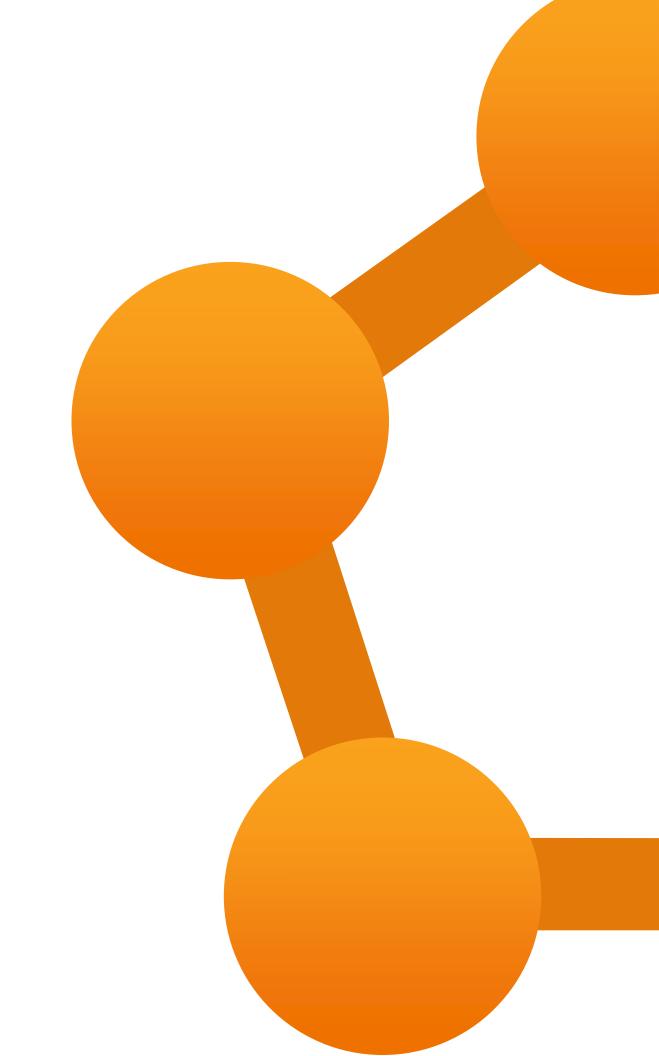


Proudly presents...

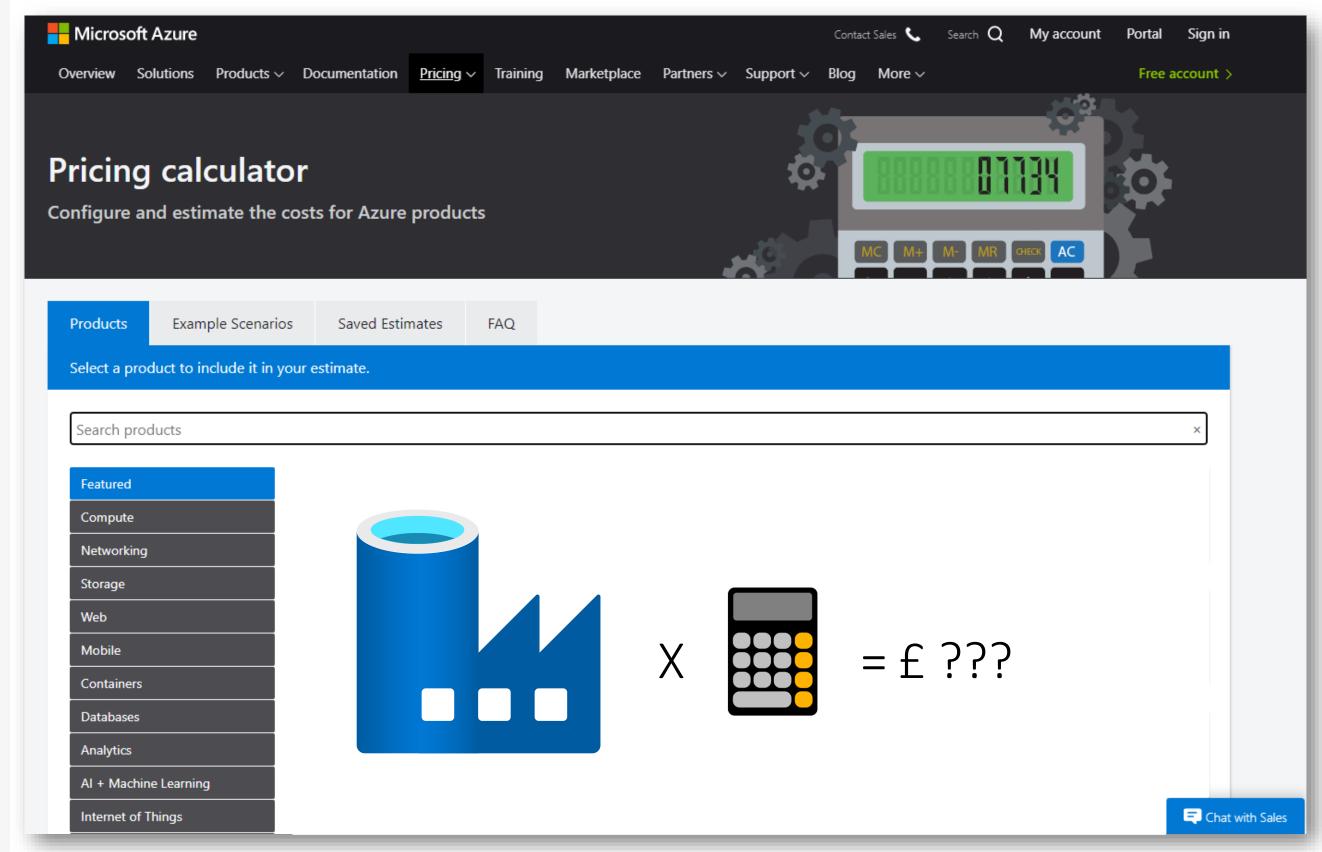
Integration Pipelines

Module 12 – Final Thoughts
Running Costs



Azure Price Calculator – Data Factory





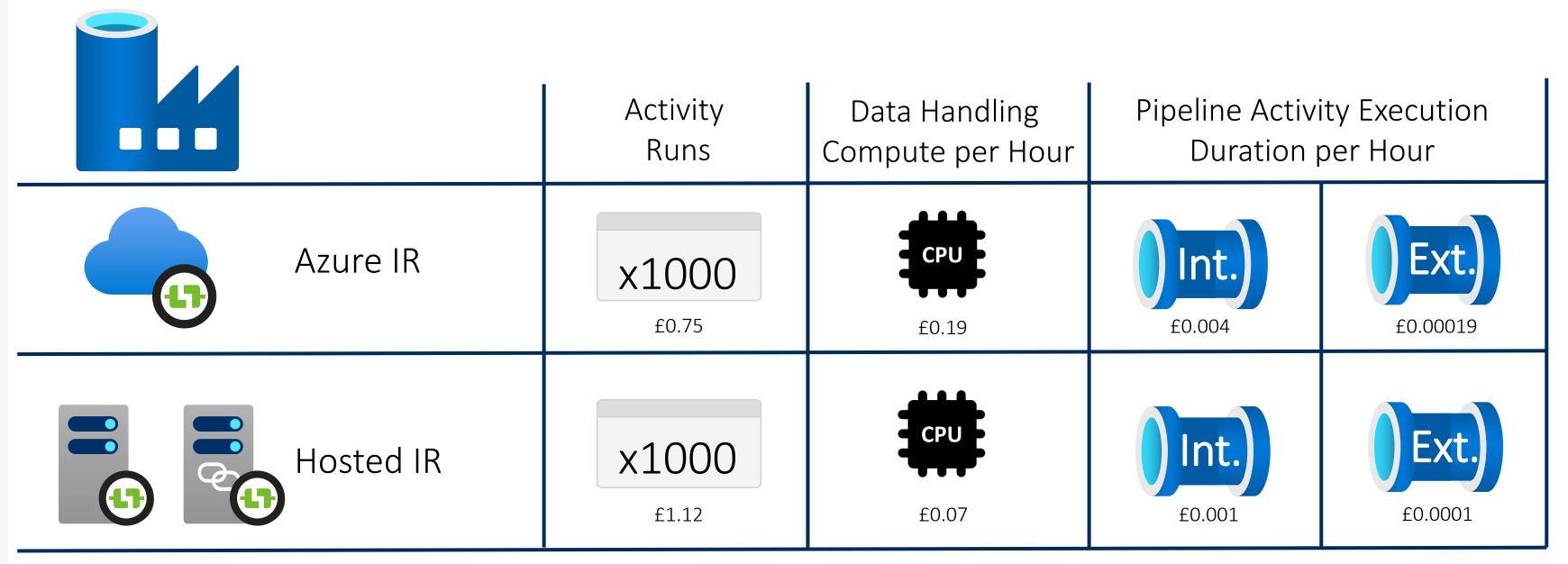




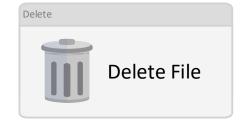
Data Factory Pricing — IR Type



Based on 1 Hour Running









£2.13 per Month

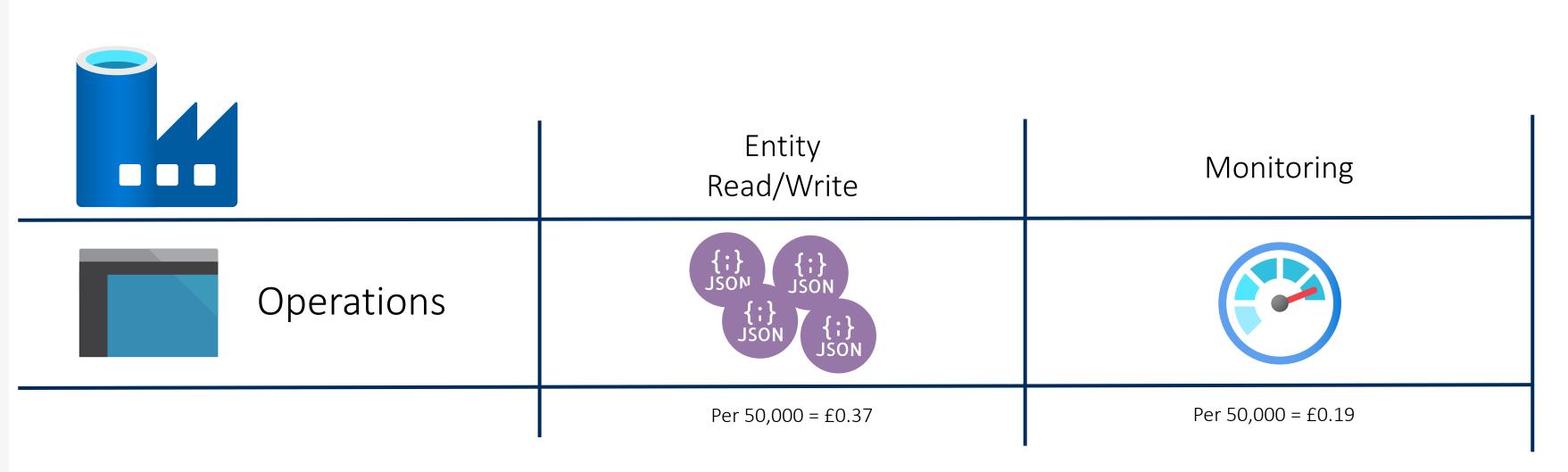
Data Factory Pricing – Data Flow & SSIS Compute



)		Number of Compute Cores	Number of VM Instances	VM Uptime Per Hour	SQL Server Licence Type	
	Data Flows	CPU CPU			N/A	8x Cores General Purpose 8 Hours a day £426.30 per Month
	SSIS IR	CPU CPU	SQL		StandardEnterprise	8x Cores Standard 8 Hours a day £443.97 per Month

Data Factory Pricing – Operations

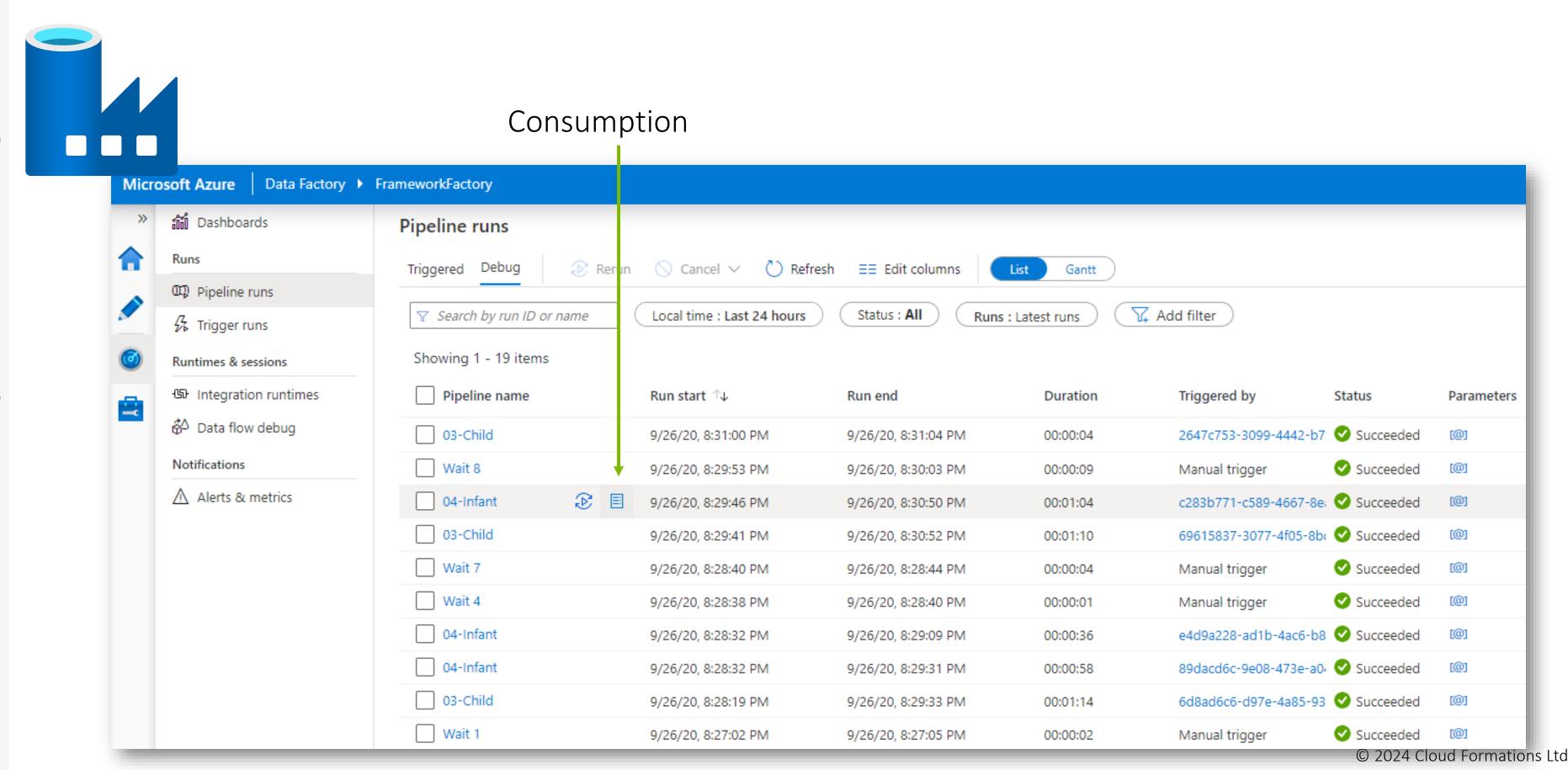






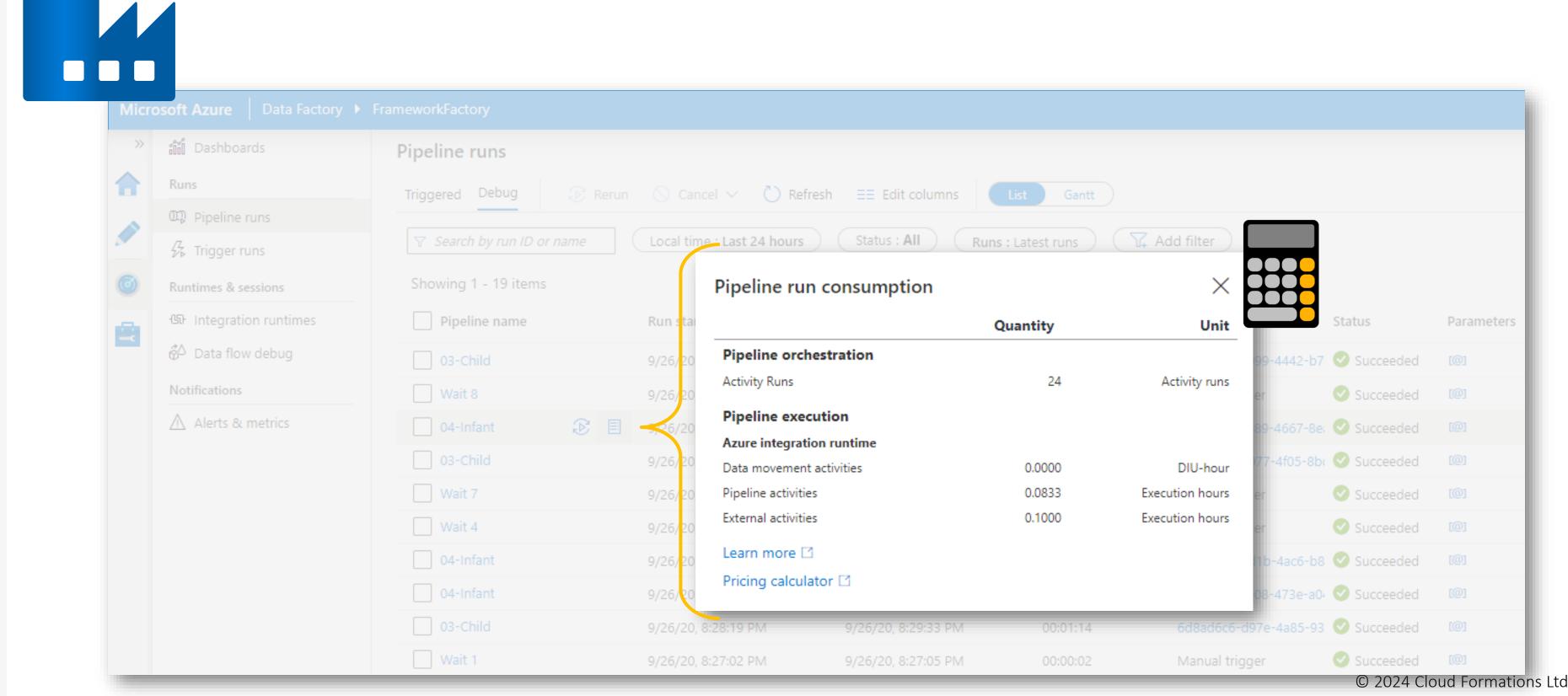
How Much Does My Pipeline Cost?





How Much Does My Pipeline Cost?





How Much Does My Data Platform Solution Cost?



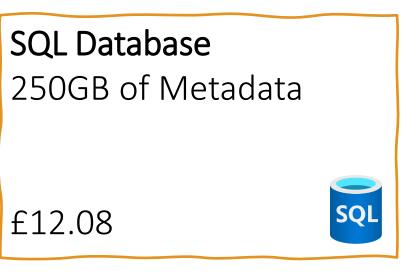


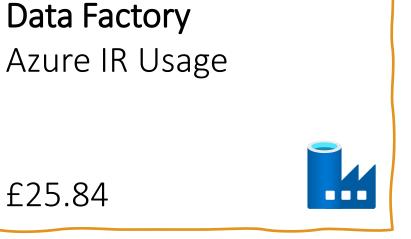


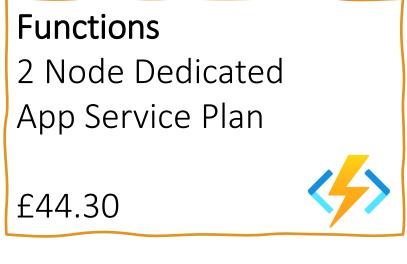
CF.Cumulus Indicative Run Costs

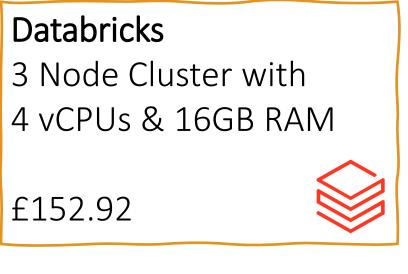


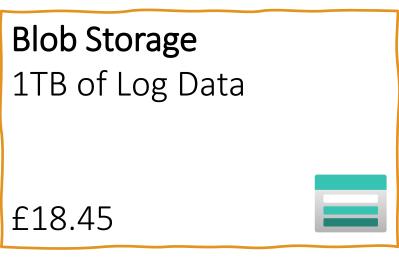
Assuming the use of an Azure UK Region priced for GBP, with all CF.Cumulus compute processes running for 4 hours every day of the year, with locally redundant storage, the following Azure run costs **per month** can be assumed:

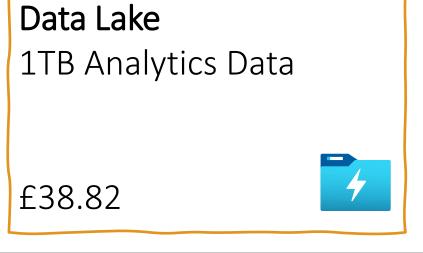


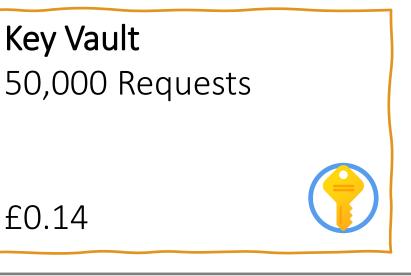










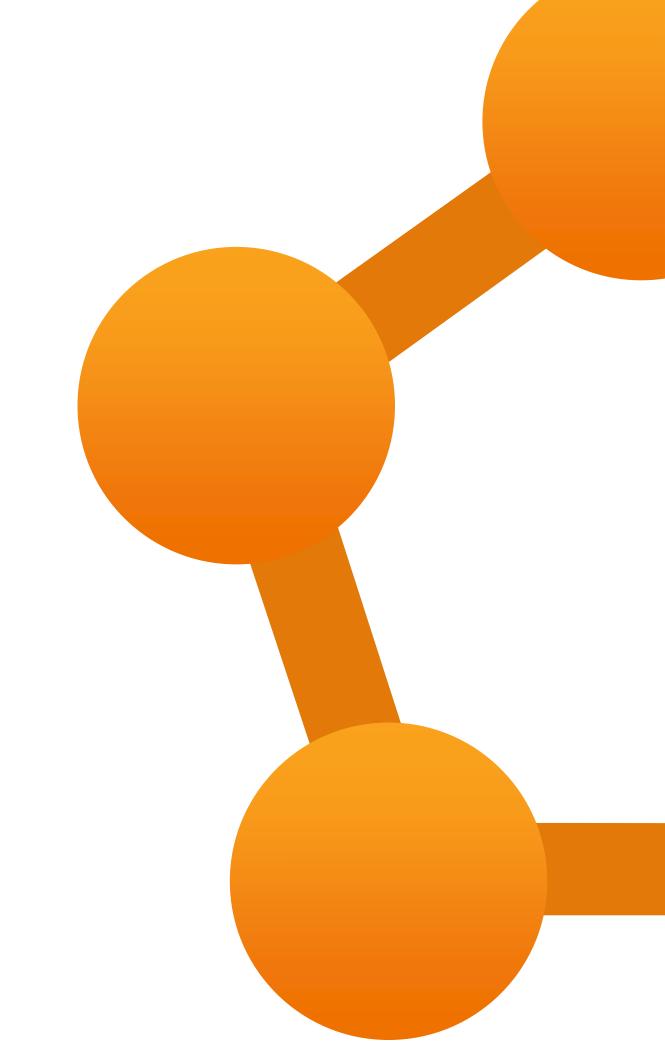




£338.16*

^{*}With every customer implementation data volumes, table complexity and serving queries (to dashboards) may differ. All affecting the above run costs.

Module 12 – Final Thoughts Best Practices



Key Points



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	, Jetup	Q DCVC	IOPCI	DCDU	55115

Deployments

MAutomated Testing

Maming Conventions

© Pipeline Hierarchies

© Pipeline & Activity Descriptions

WFactory Component Folders

DDLinked Service Security via Azure Key Vault

DDDynamic Linked Services

MGeneric Datasets

Metadata Driven Processing

© Parallel Execution

MHosted Integration Runtimes

MAzure Integration Runtimes

Wider Platform Orchestration

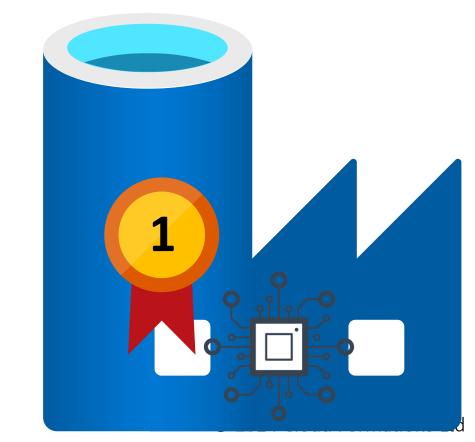
© Custom Error Handler Paths

Monitoring via Log Analytics

Service Limitations

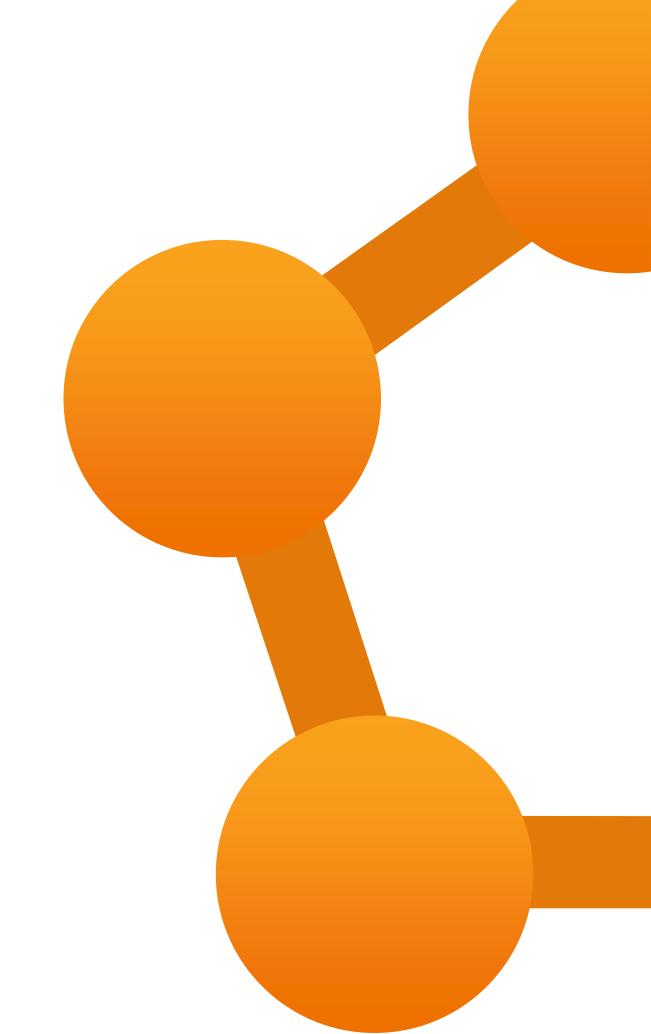
WUsing Pipeline Templates

DDocumentation



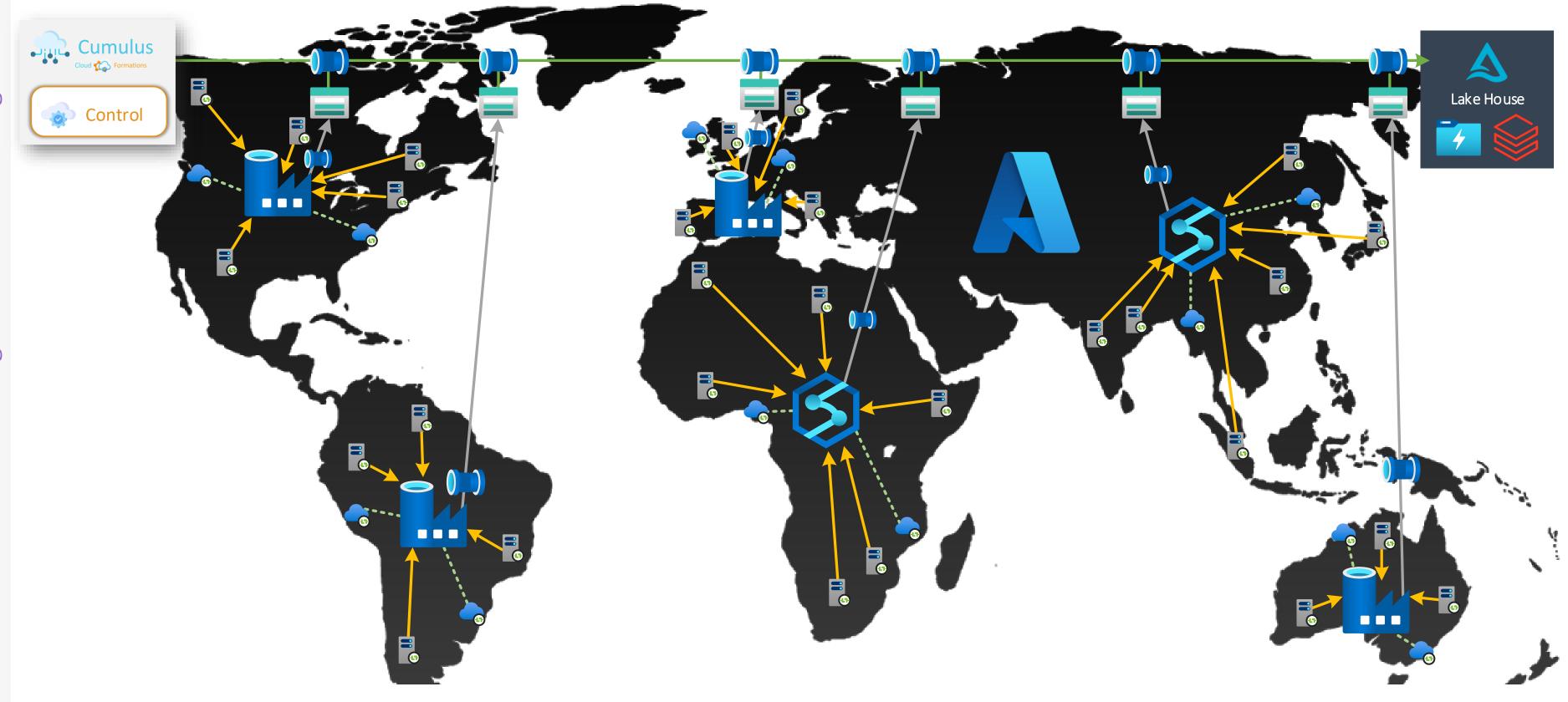


Module 12 – Final Thoughts
Conclusions



Exploring Data Factory at Enterprise Scale





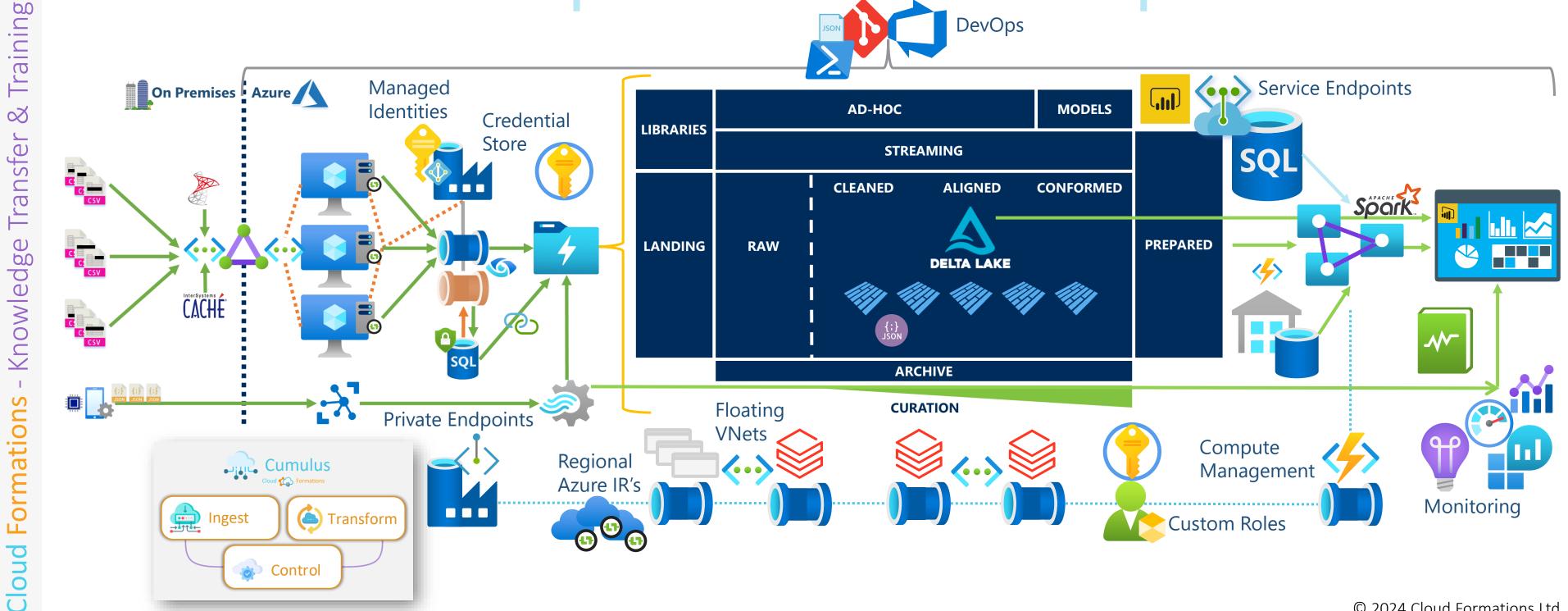
Overall Architecture





Transform

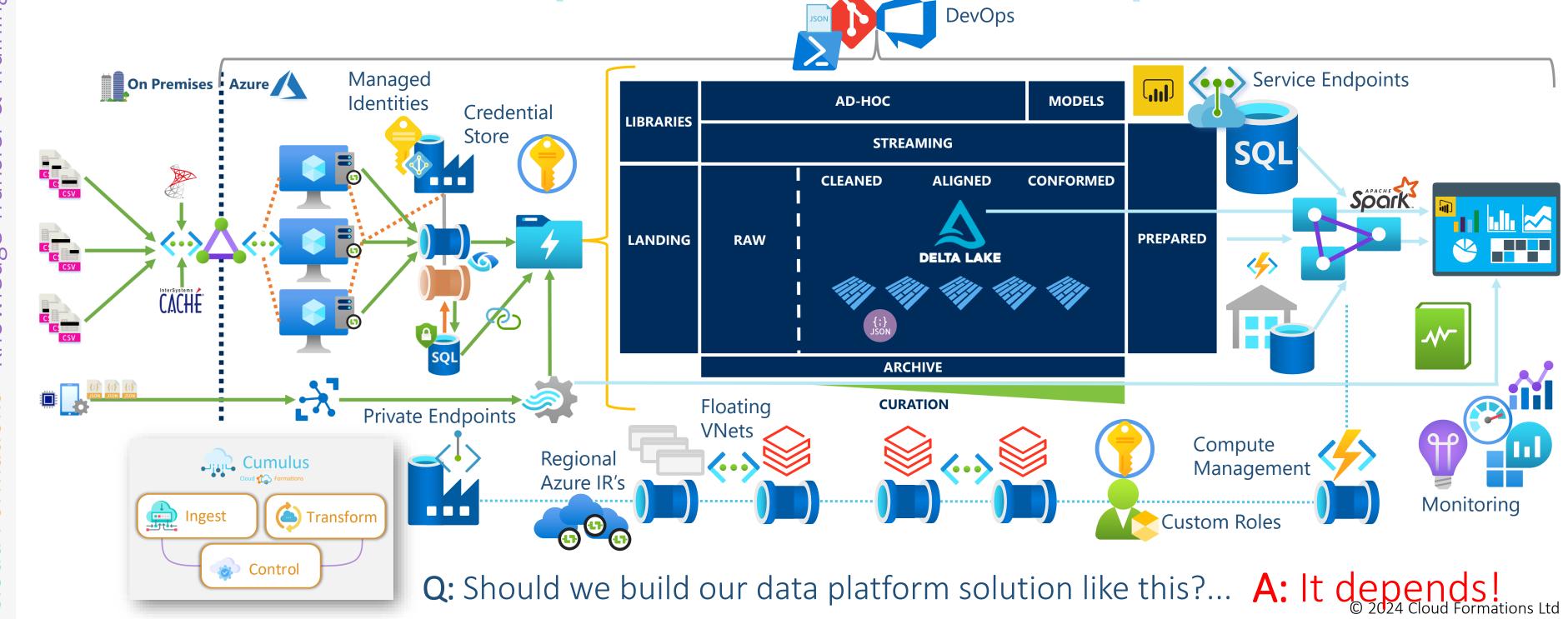
Load



Extract

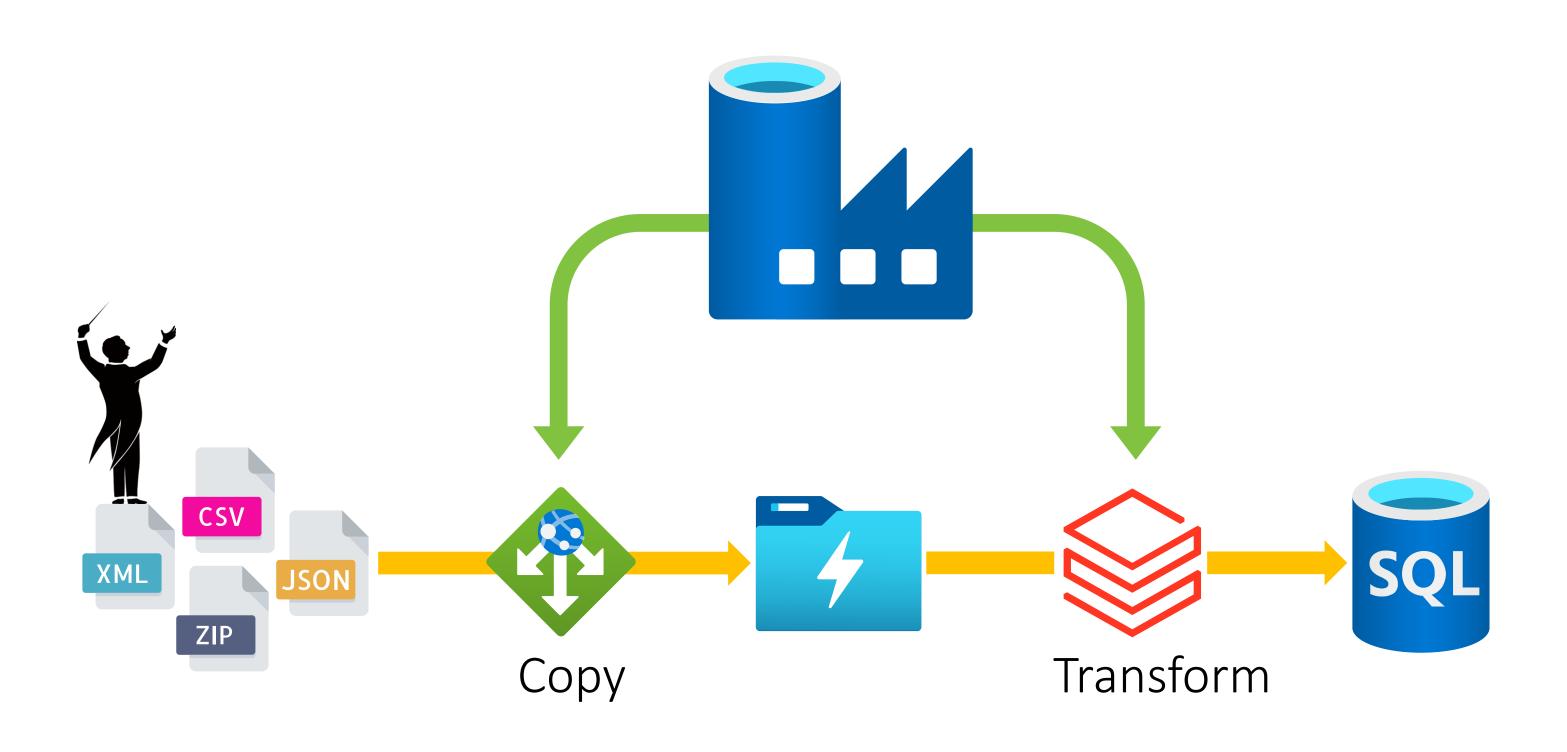
Transform

Load



What is Azure Data Factory (ADF)?

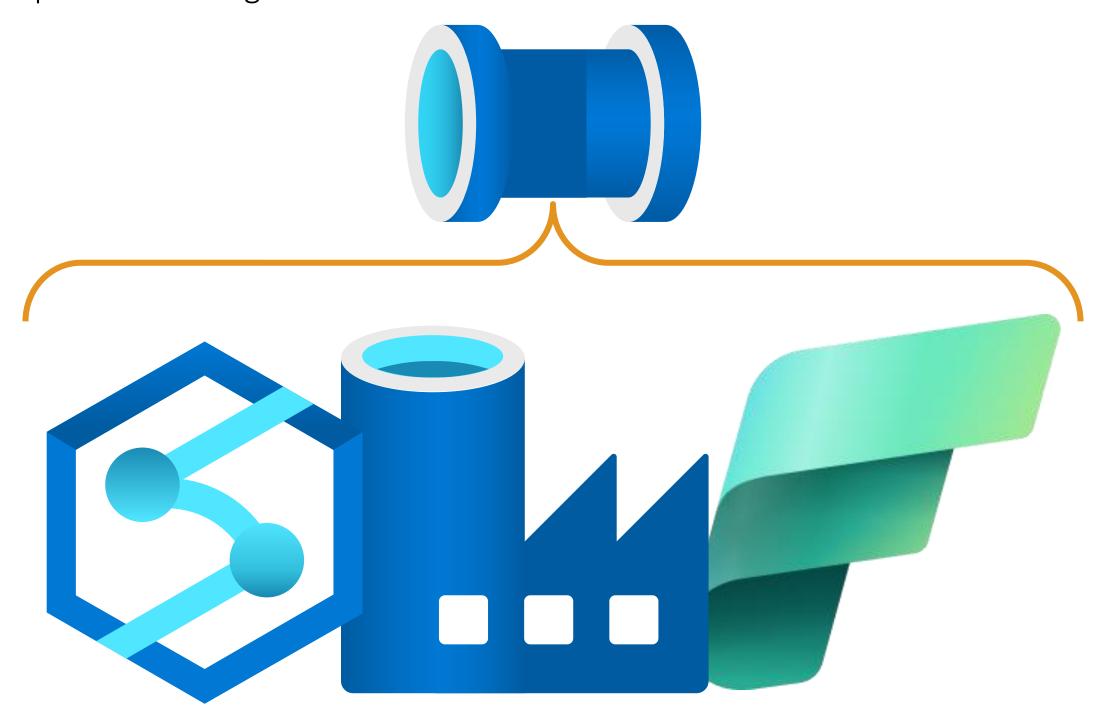




What are Integration Pipelines?



Answer: A data integration pipeline is a logical package of work that can be used move, transform and orchestrate data tasks from and to various compute and storage resources.

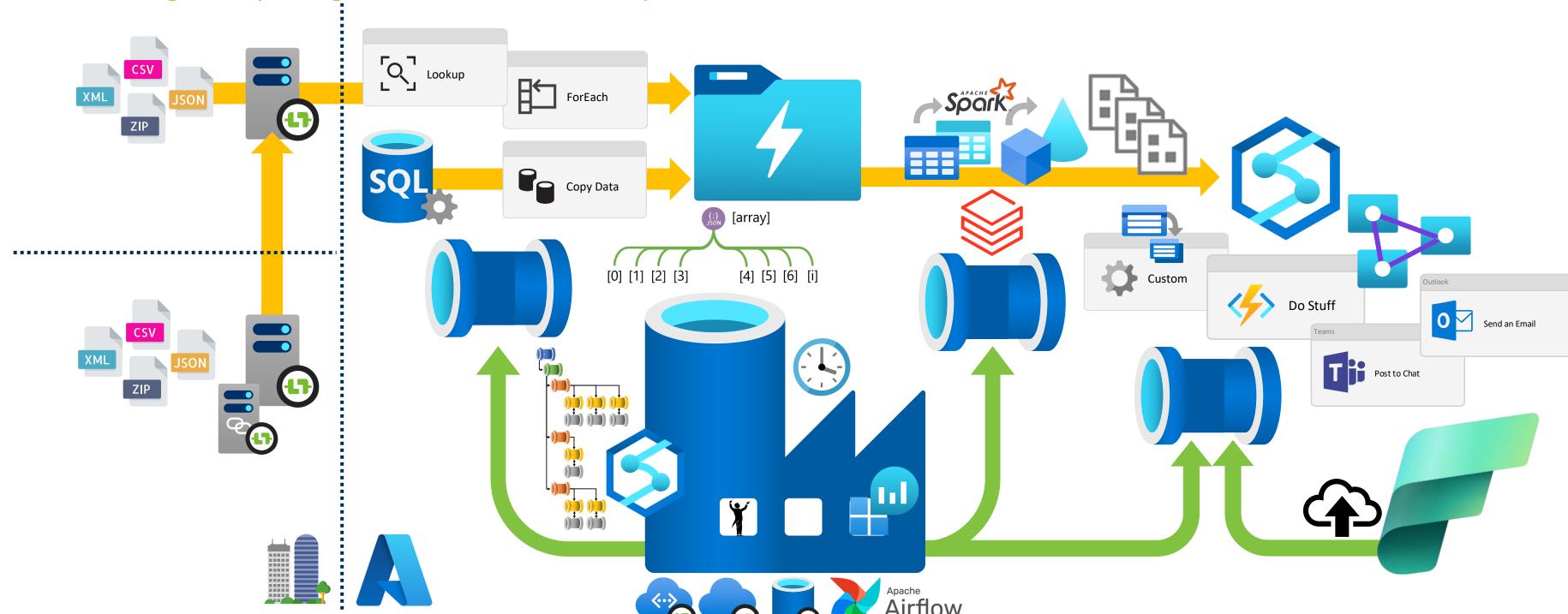


In the context of Azure Data Factory, Azure Synapse Analytics, and Microsoft Fabric, integration pipelines represent a <u>common component or tool across products</u> for engineering teams to utilise in the delivery of a data platform solution.

What are Azure Data Factory Integration Pipelines?

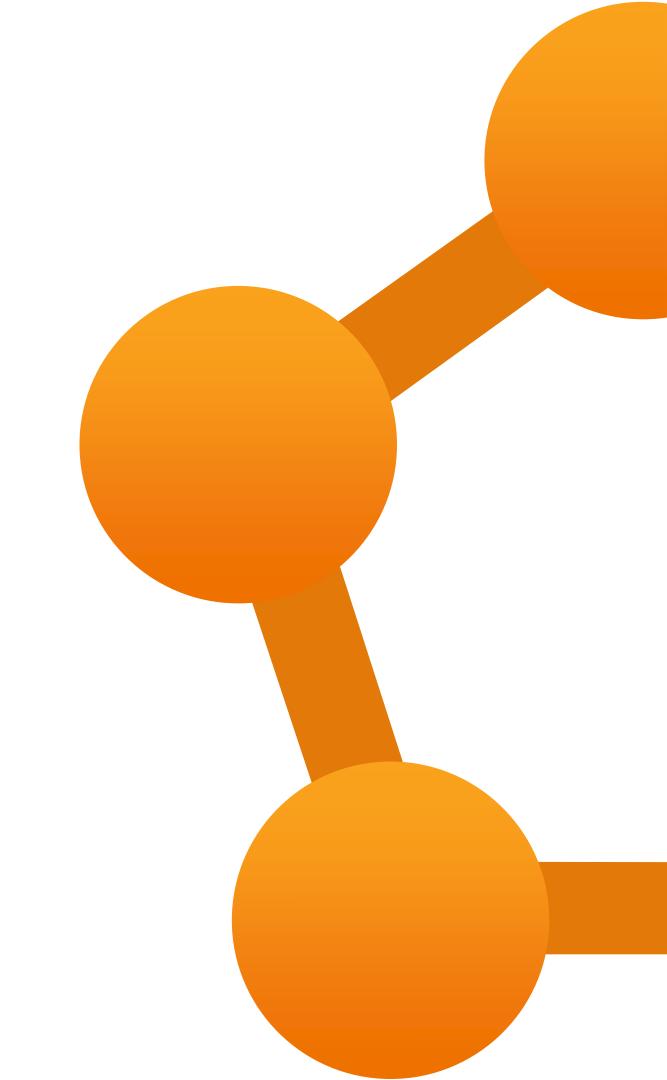


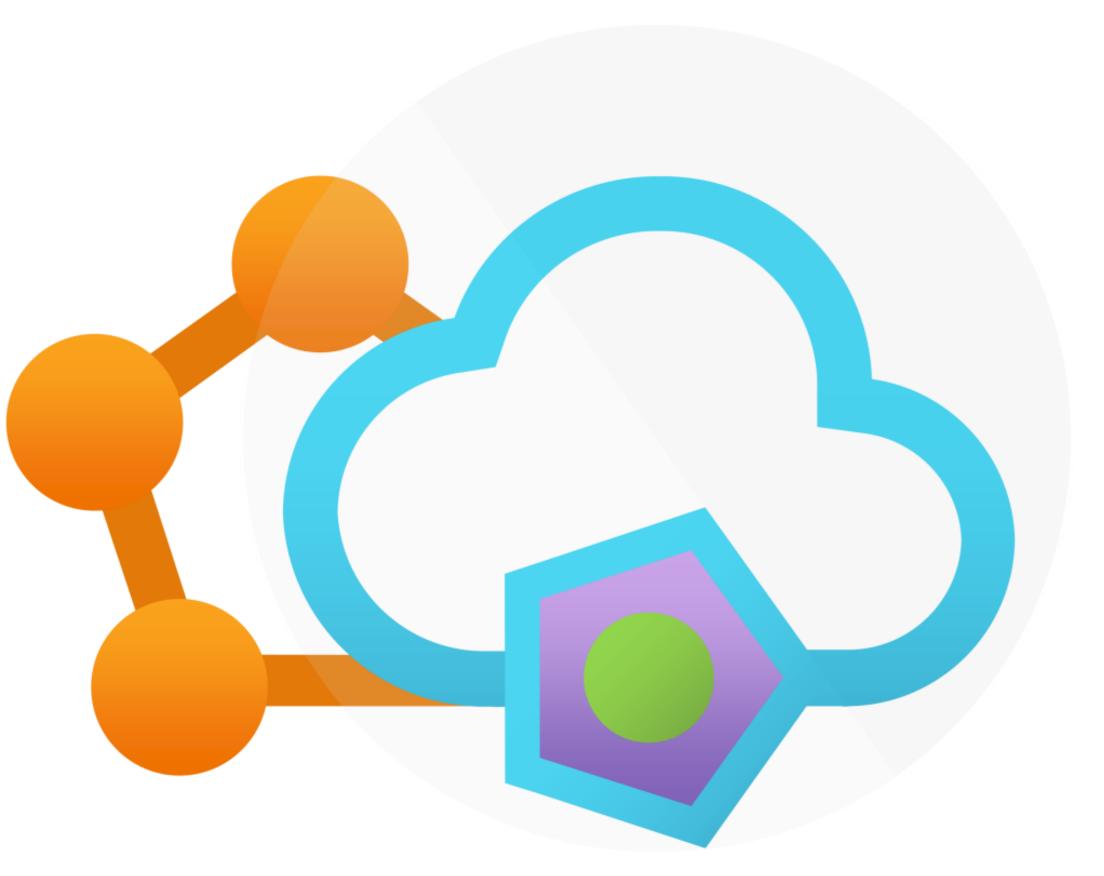




- 1. Common component or tool across products.
- 2. The ability to orchestrate our Control Flow operations with scale out Activities.
- 3. The ability to orchestrate our <u>Data Flow</u> transformations using cloud native services.
- 4. The scheduler of solutions using a variety of Pipeline Triggers and dynamic frameworks.

Module 12 Final Thoughts Any questions?





Thank You



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