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Microsoft Ignite
The Tour

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#MSIgniteTheTour

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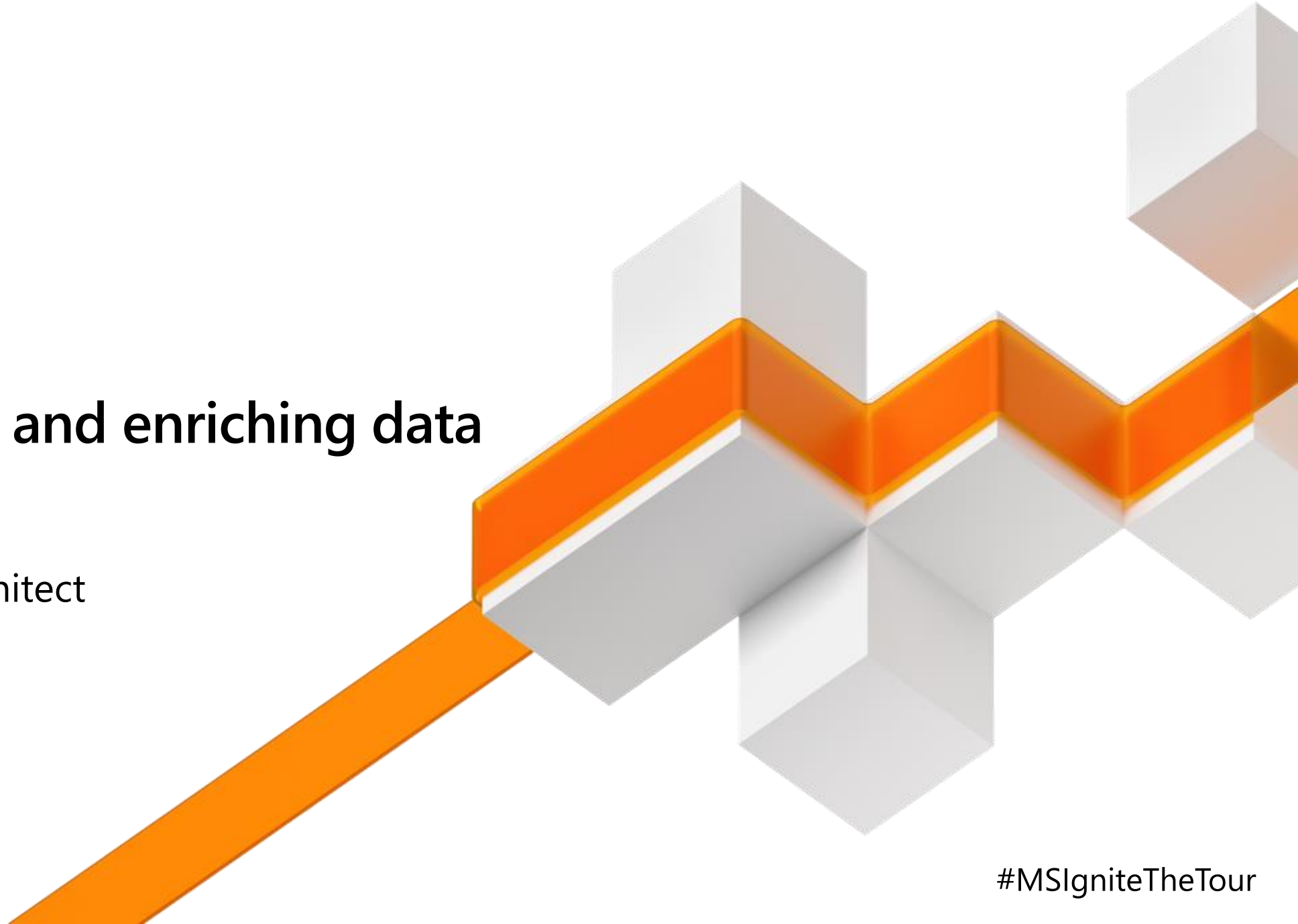
Transforming and enriching data

René Bremer
Cloud Solution Architect



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Resources

Session Resources Hub

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Session Code on GitHub

aka.ms/DATA30Repo
github.com/rebremer/demo30-ignitemdw-git

All Event Session Resources

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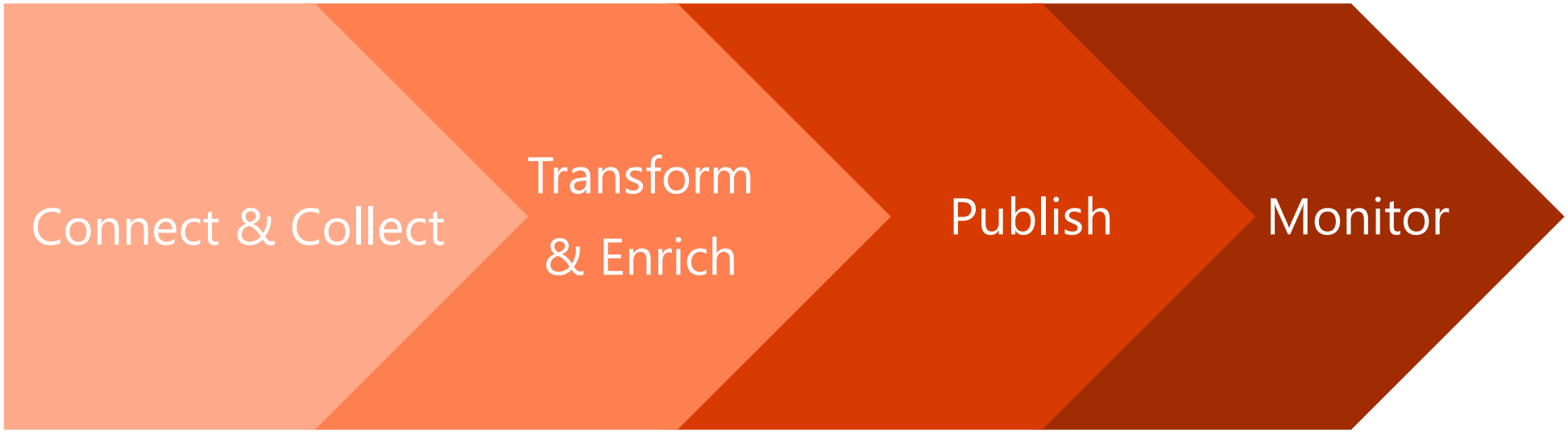
What is Azure Data Factory?

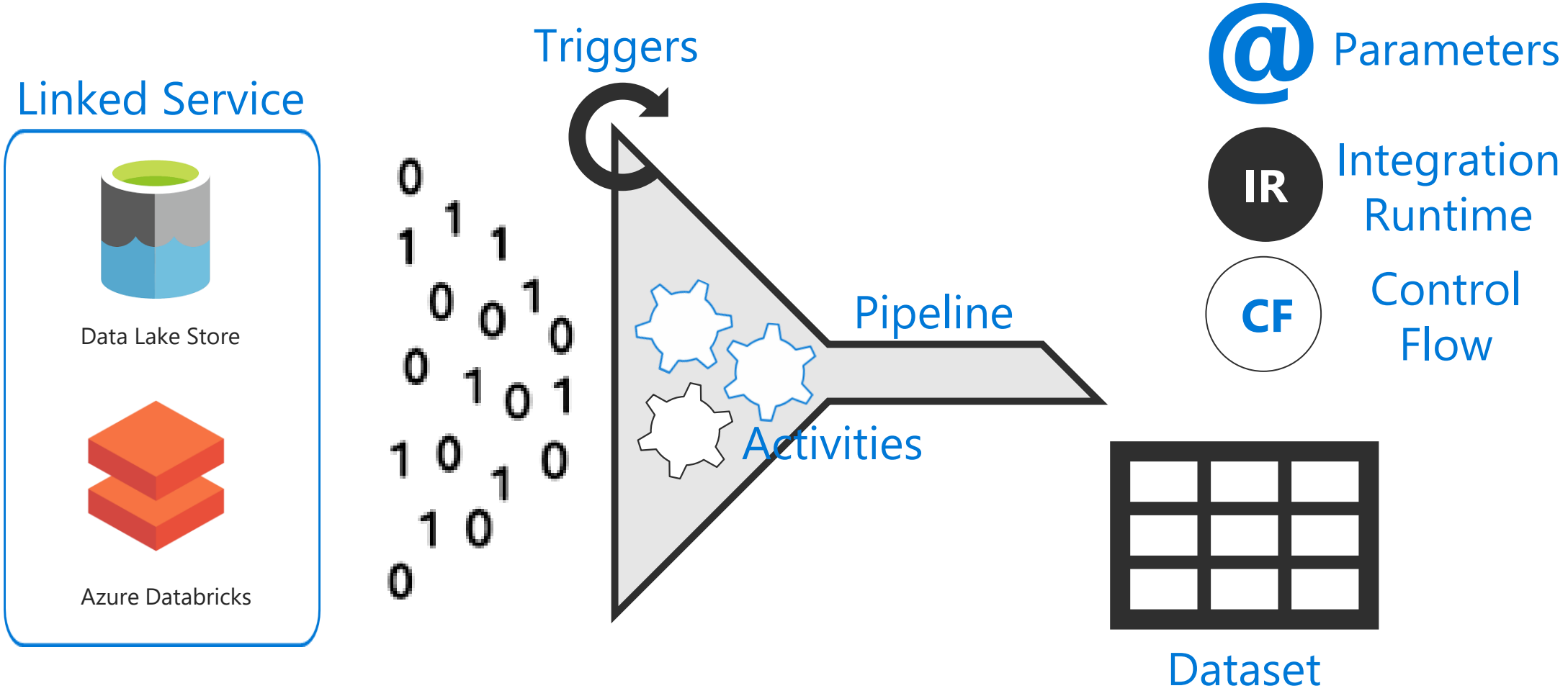
Azure Data Factory

A cloud-based data integration service that allows you to orchestrate and automate data movement and data transformation.

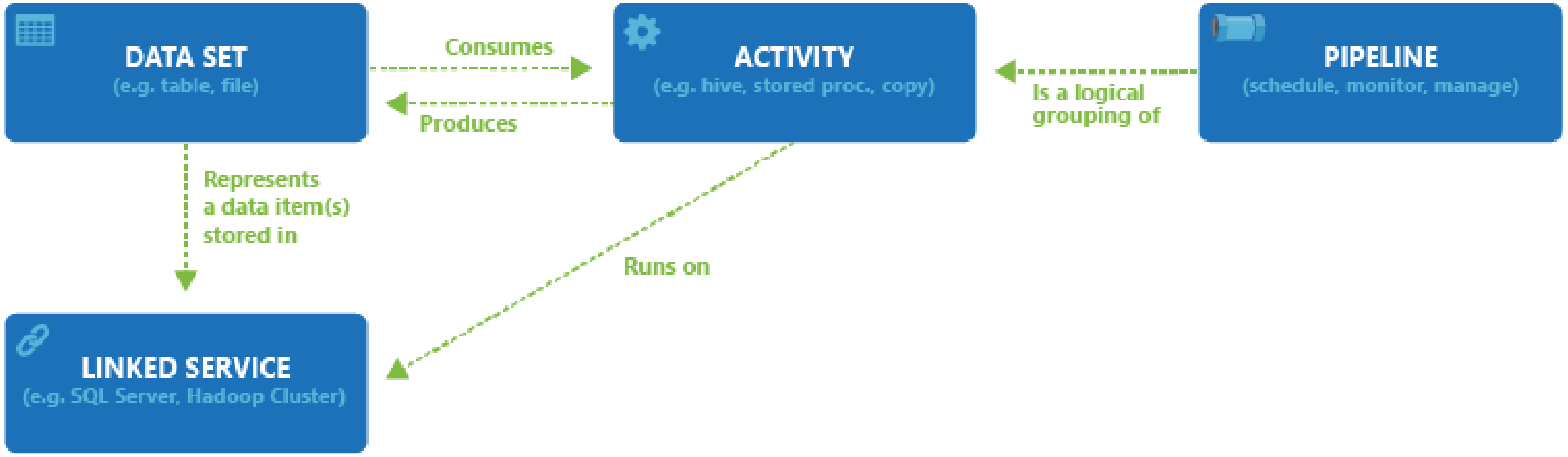
Azure Data Factory process



Azure Data Factory Components



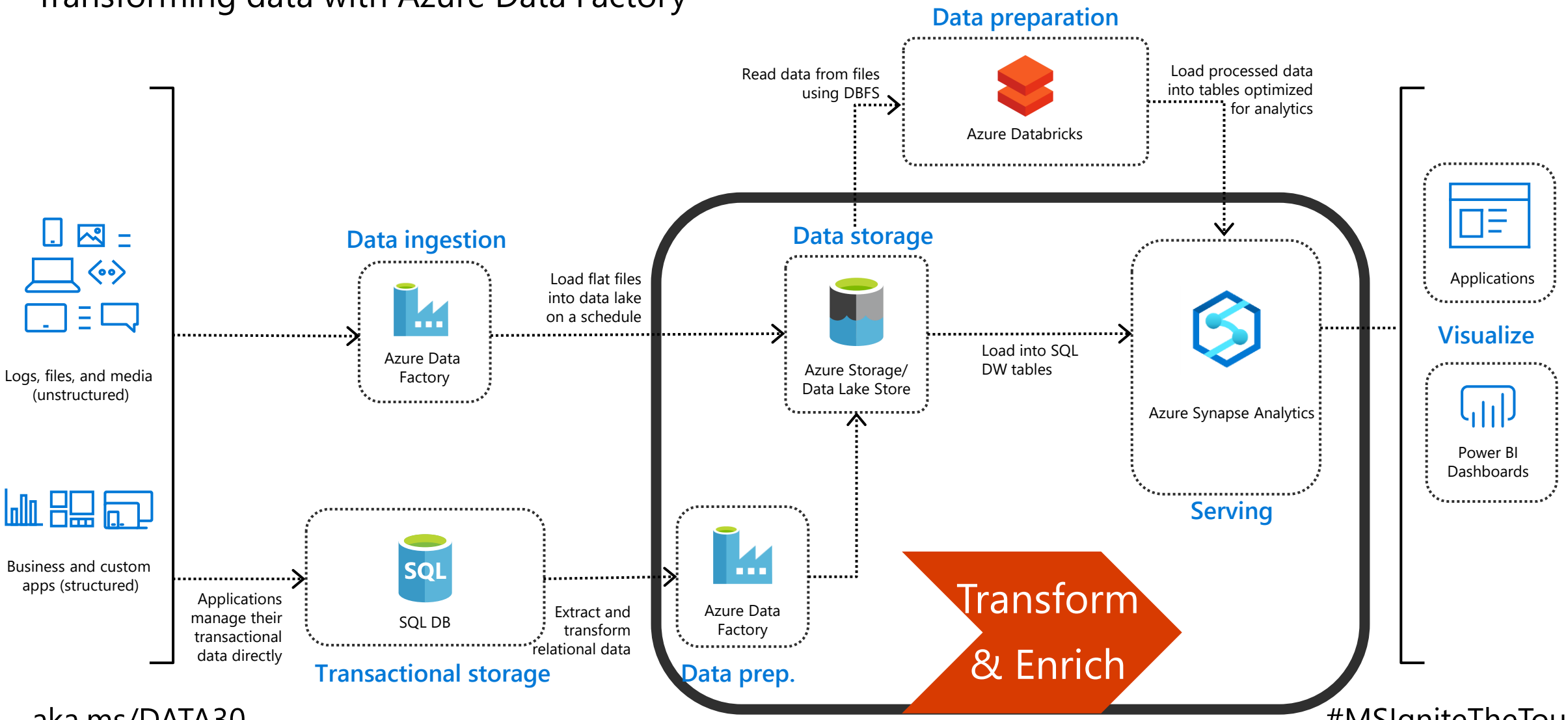
Component dependencies



Transforming data with the ADF Mapping Data Flow

Data transformation in Azure

Transforming data with Azure Data Factory

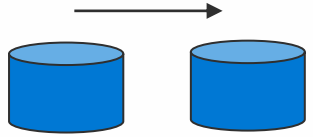


Methods for transforming in Azure Data Factory

Compute resources

SSIS Packages

Mapping Data Flow



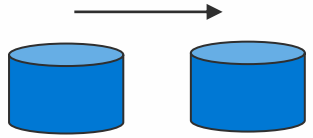
Methods for transforming data in Azure Data Factory

Code free data transformation at scale

Compute resources

SSIS Packages

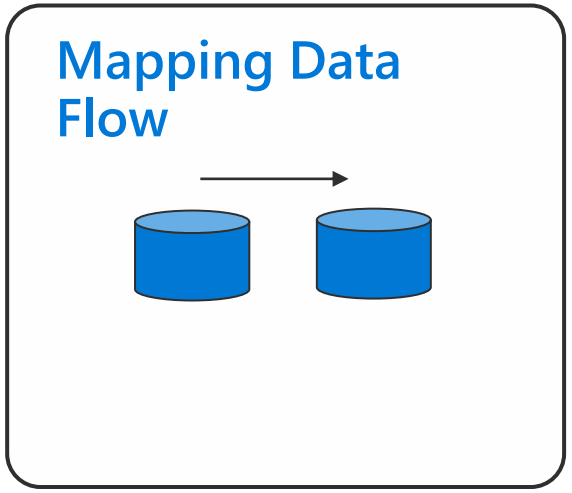
Mapping Data Flow



Benefits of Mapping Data Flow

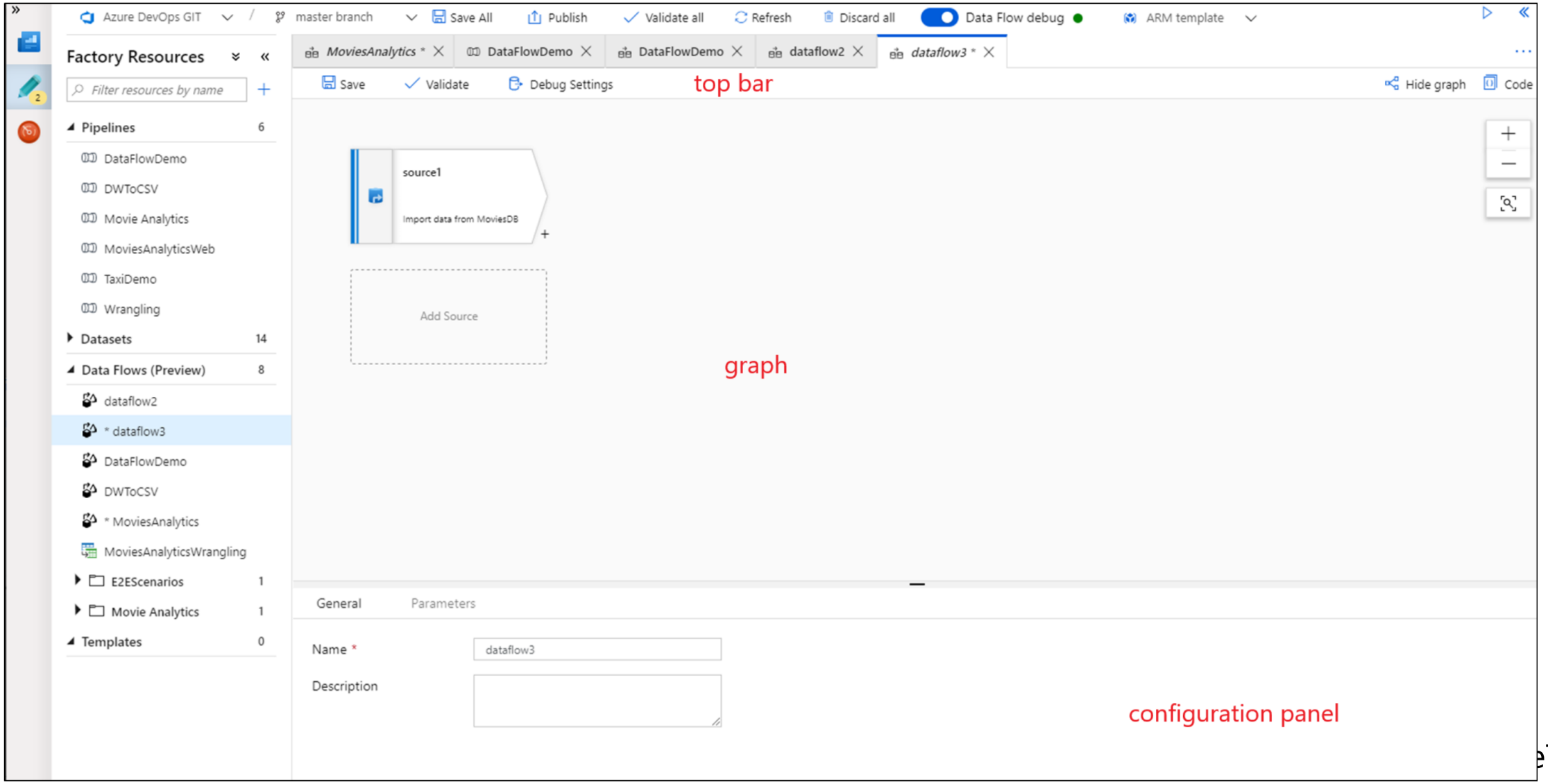
Code free data transformation at scale

- Perform data cleansing, transformation, aggregations, etc.
- Enables you to build resilient data flows in a code free environment
- Enable you to focus on building business logic and data transformation
- Underlying infrastructure is provisioned automatically with cloud scale via Spark execution



Using the Mapping Data Flow

Code free data transformation at scale



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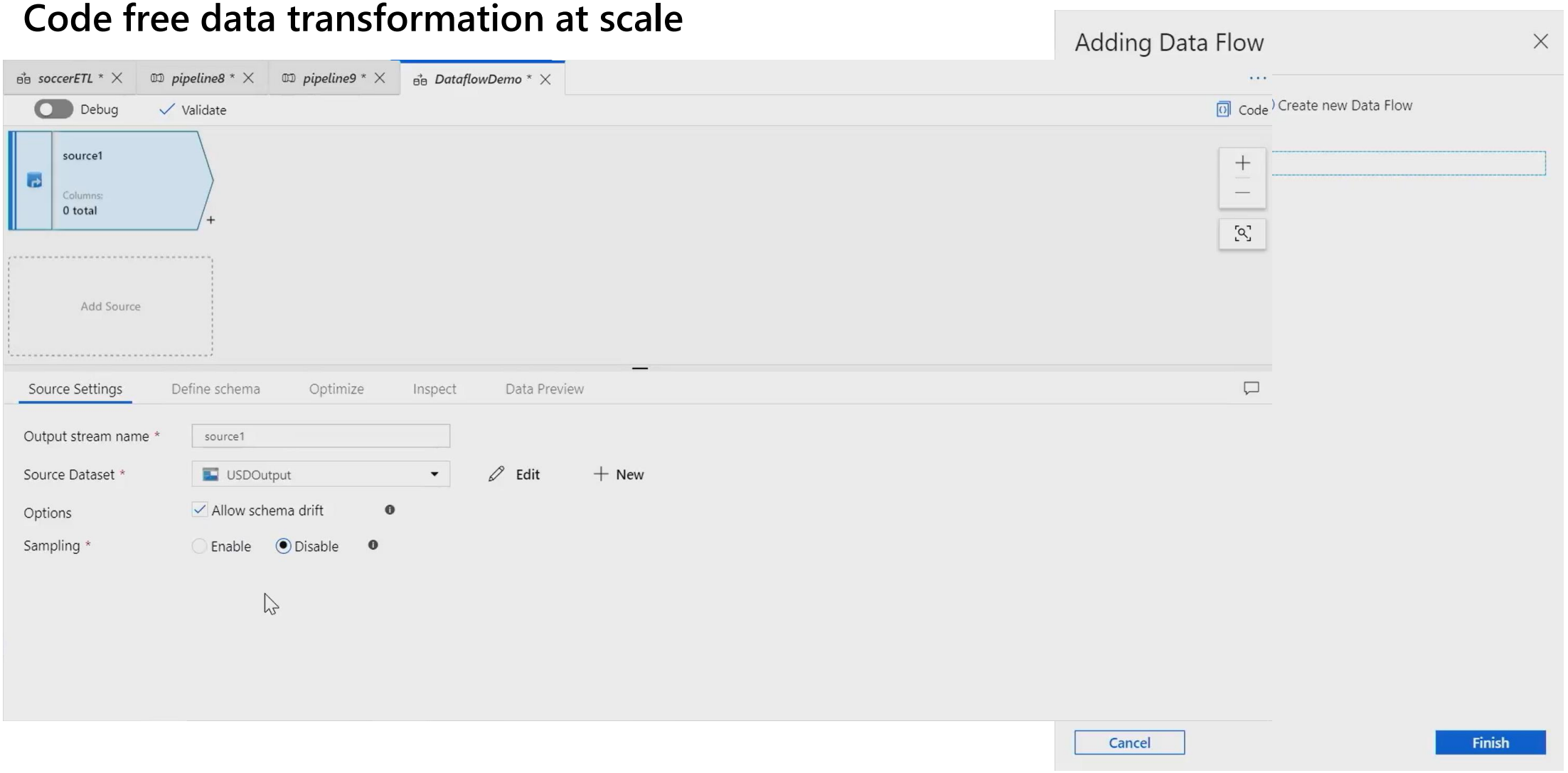
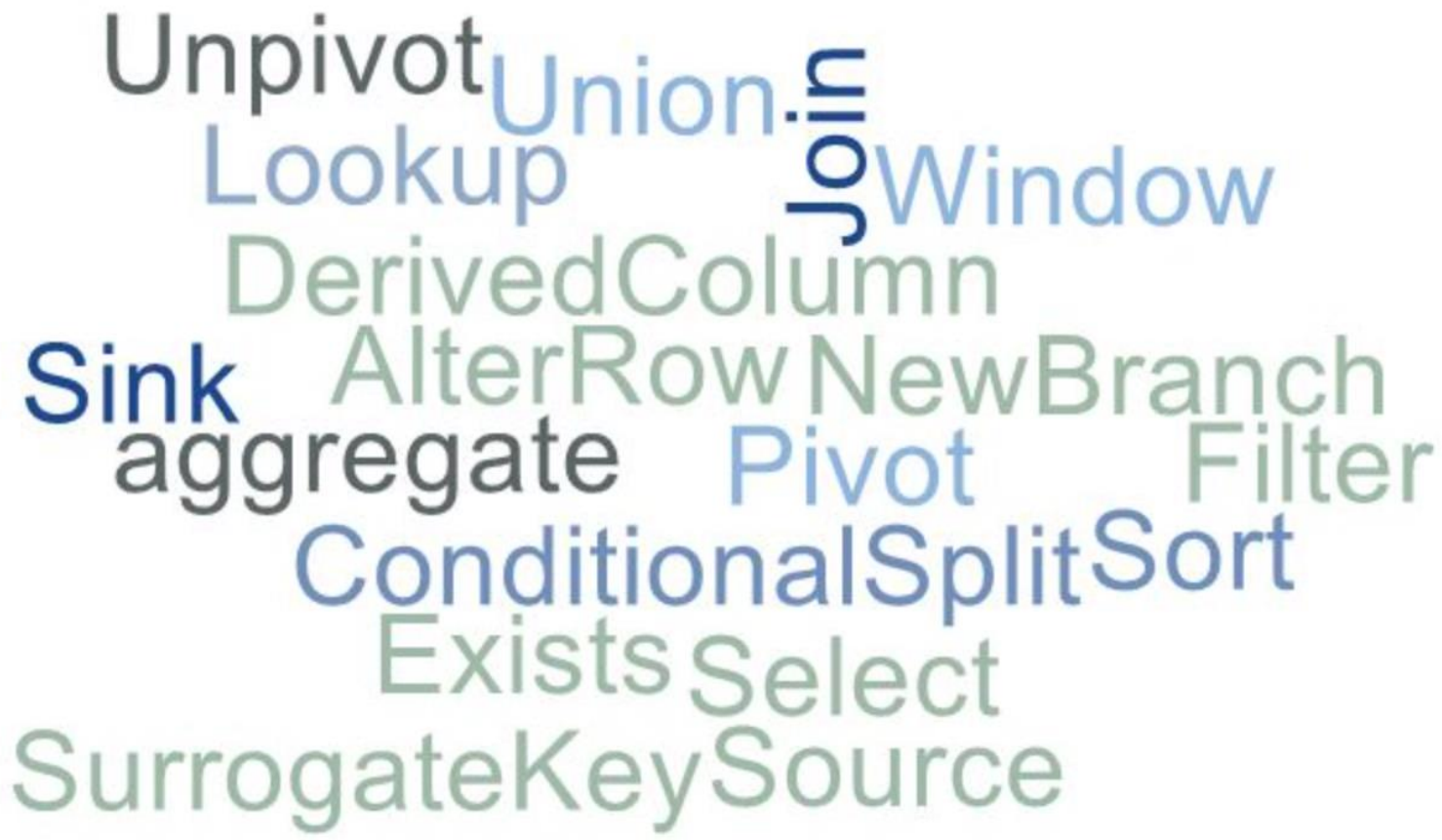
Starting the Mapping Data Flow

Code free data transformation at scale



Transformation options in the Mapping Data Flow



ADF Enterprise Ready Features

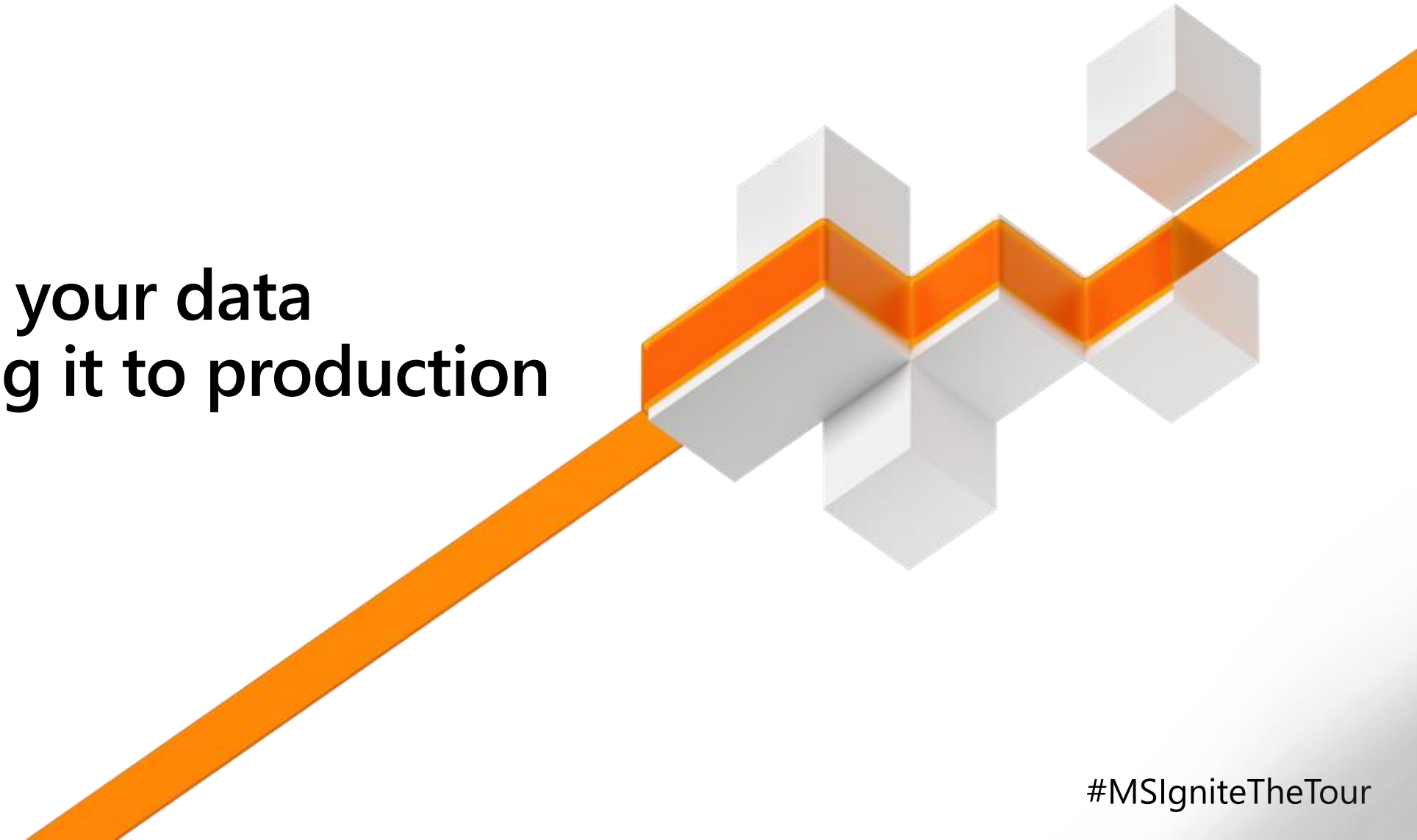
ADF Enterprise Ready Features

- Full integration with GIT and Azure DevOps
- Self-hosted IR for on-prem connectivity
- Monitoring plane, integrated with Azure Monitor
- Usage of Managed Identities, no need for keys

=>Essential to bring your ADF pipeline to production

Demo:
Transforming your data in ADF & bring it to production

René Bremer



In Summary:

Transforming Data with Azure Data Factory

- Azure Data Factory (ADF) is a cloud-based data integration service that allows you to orchestrate and automate data movement and data transformation.
- Transforming data can be performed in ADF by orchestrating a compute resource, calling an SSIS package or using the Mapping Data Flow feature
- The Mapping Data Flow feature enables code free data transformation at scale
- Enable you to focus on building business logic and data transformation
- Enterprise Ready Features such as full Git and Azure DevOps integration, self-hosted integration runtime, Azure Monitor and Managed Identities

/MS Learn alert

Complete interactive learning exercises, watch videos, and practice and apply your new skills.

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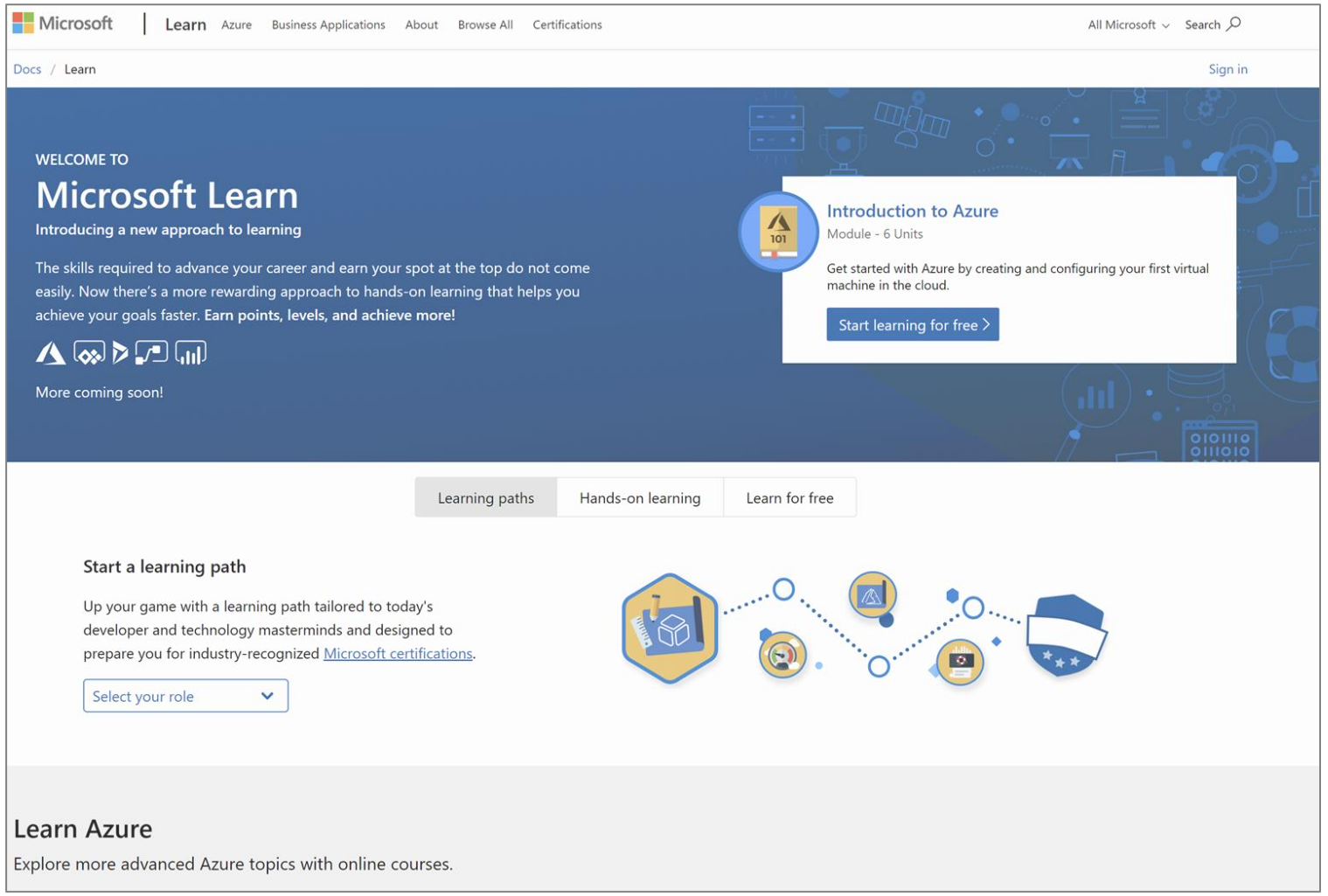

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