



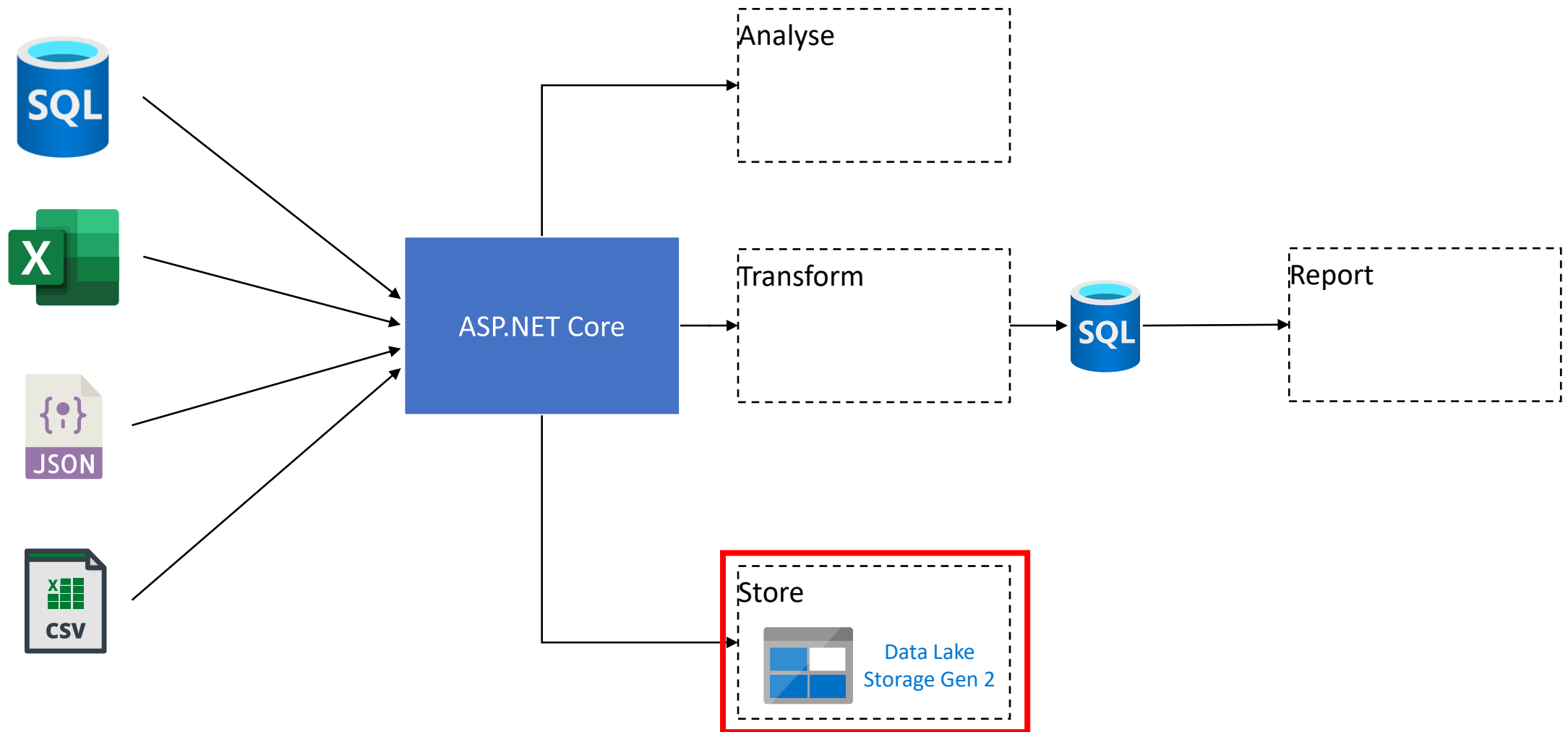
Marco De Sanctis

Developer Technologies MVP

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Integrating your ASP.NET Core application with the Azure Data Platform

Data-driven applications: workflow



Azure Data Lake Storage Gen2

Create a storage account ...

Basics **Advanced** Networking Data protection Encryption Tags Review

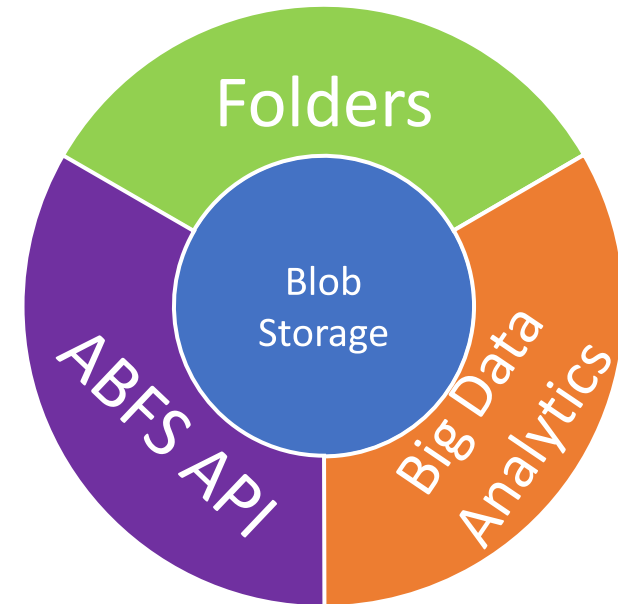
Minimum TLS version ⓘ Version 1.2 ▼

Permitted scope for copy operations (preview) ⓘ From any storage account ▼

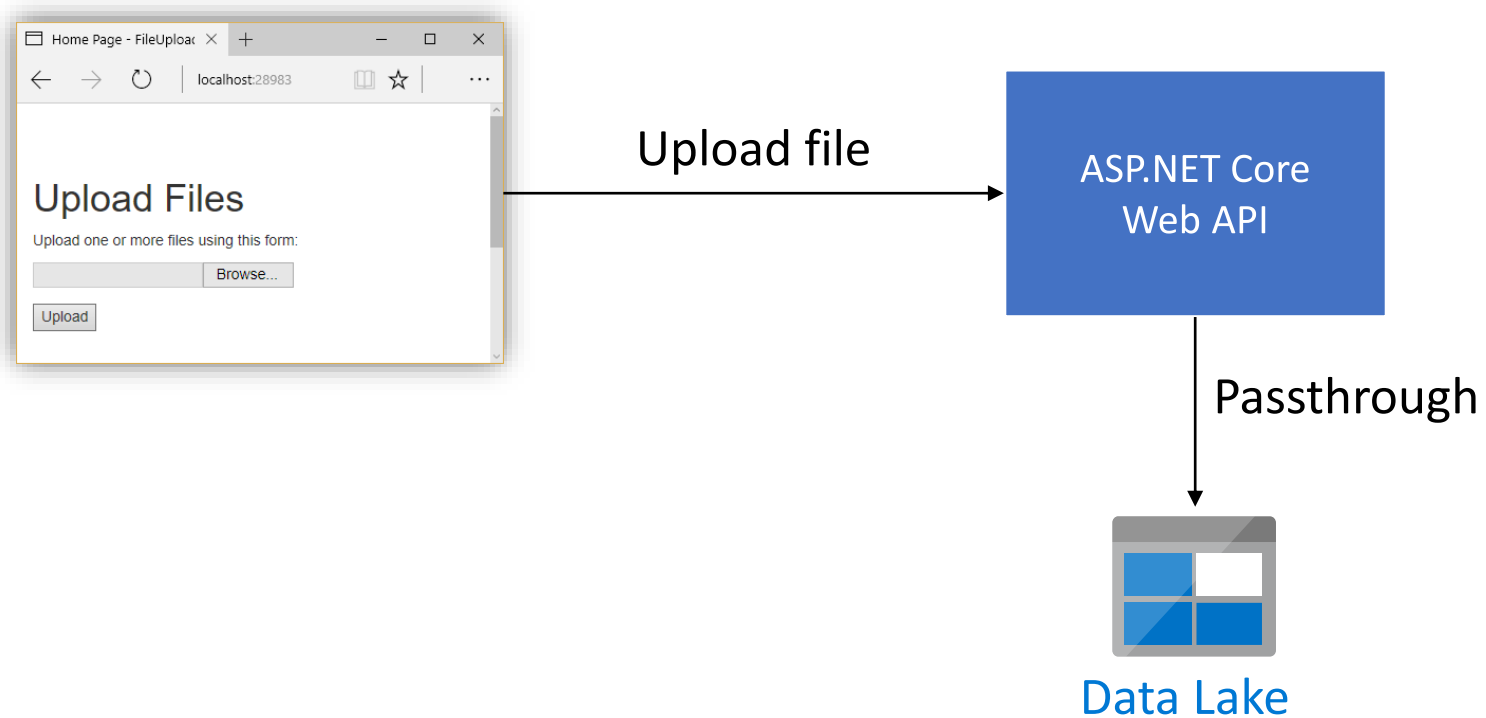
Data Lake Storage Gen2

The Data Lake Storage Gen2 hierarchical namespace accelerates big data analytics workloads and enables file-level access control lists (ACLs). [Learn more](#)

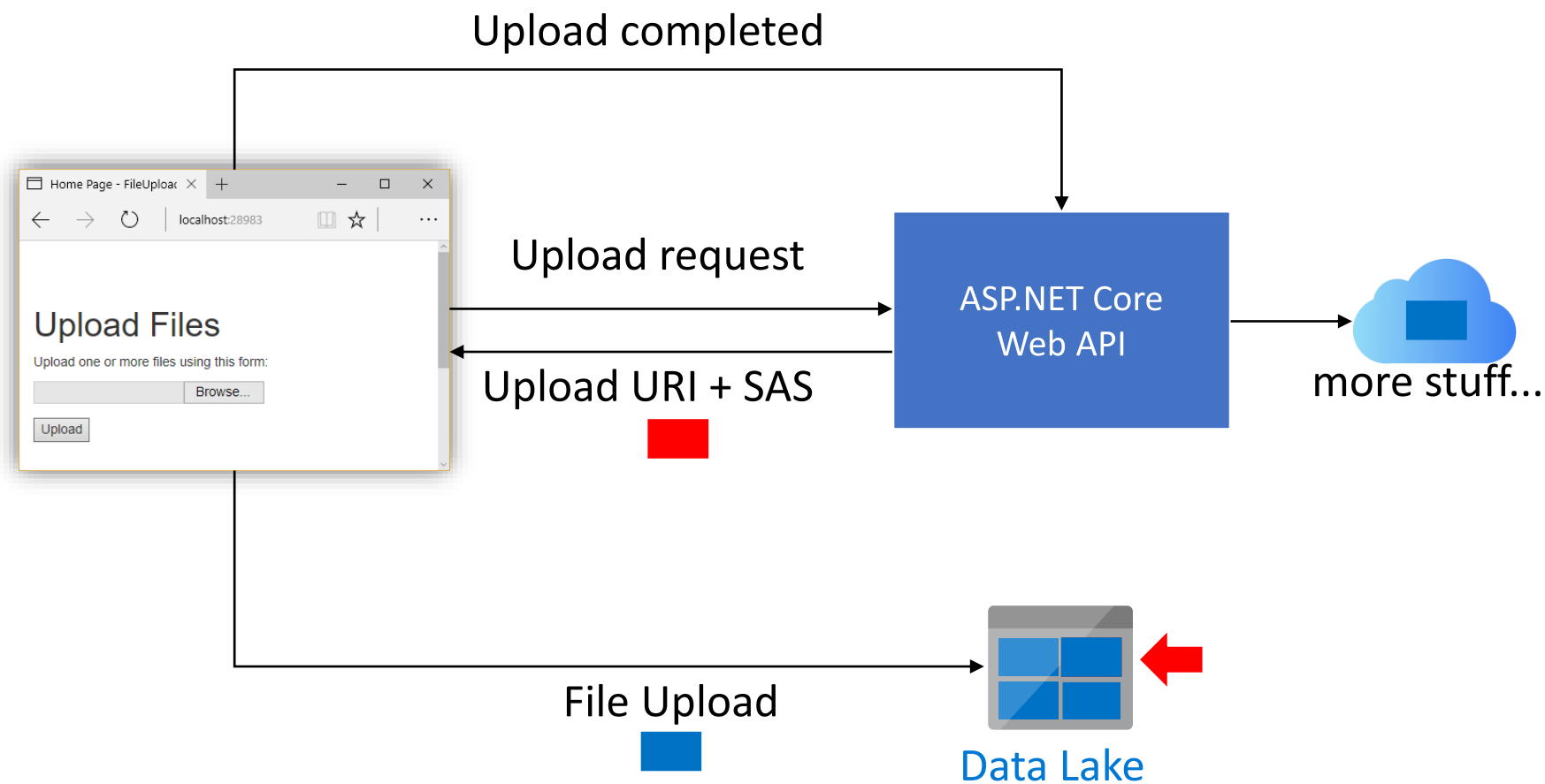
Enable hierarchical namespace



How to upload?



How to upload?

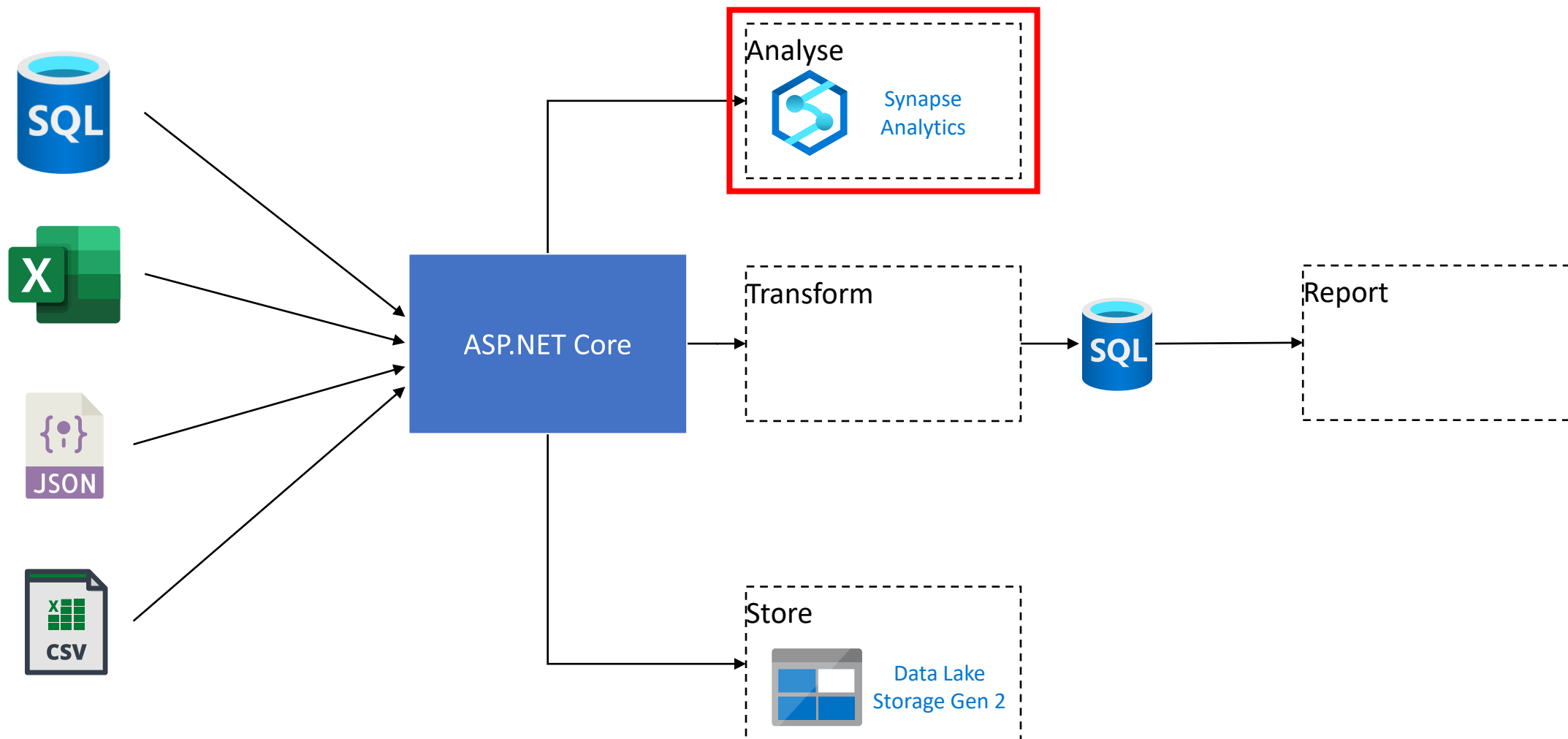


Demo



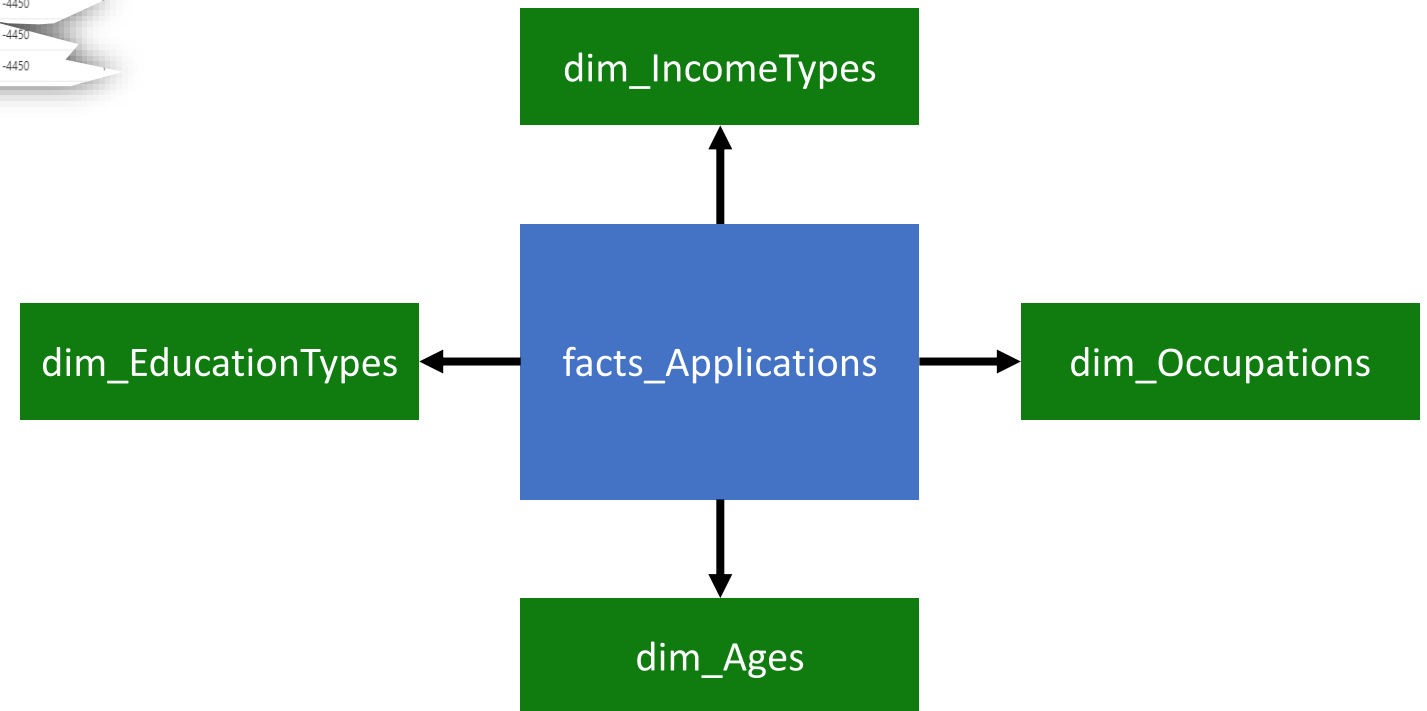
File upload

Data-driven applications: workflow

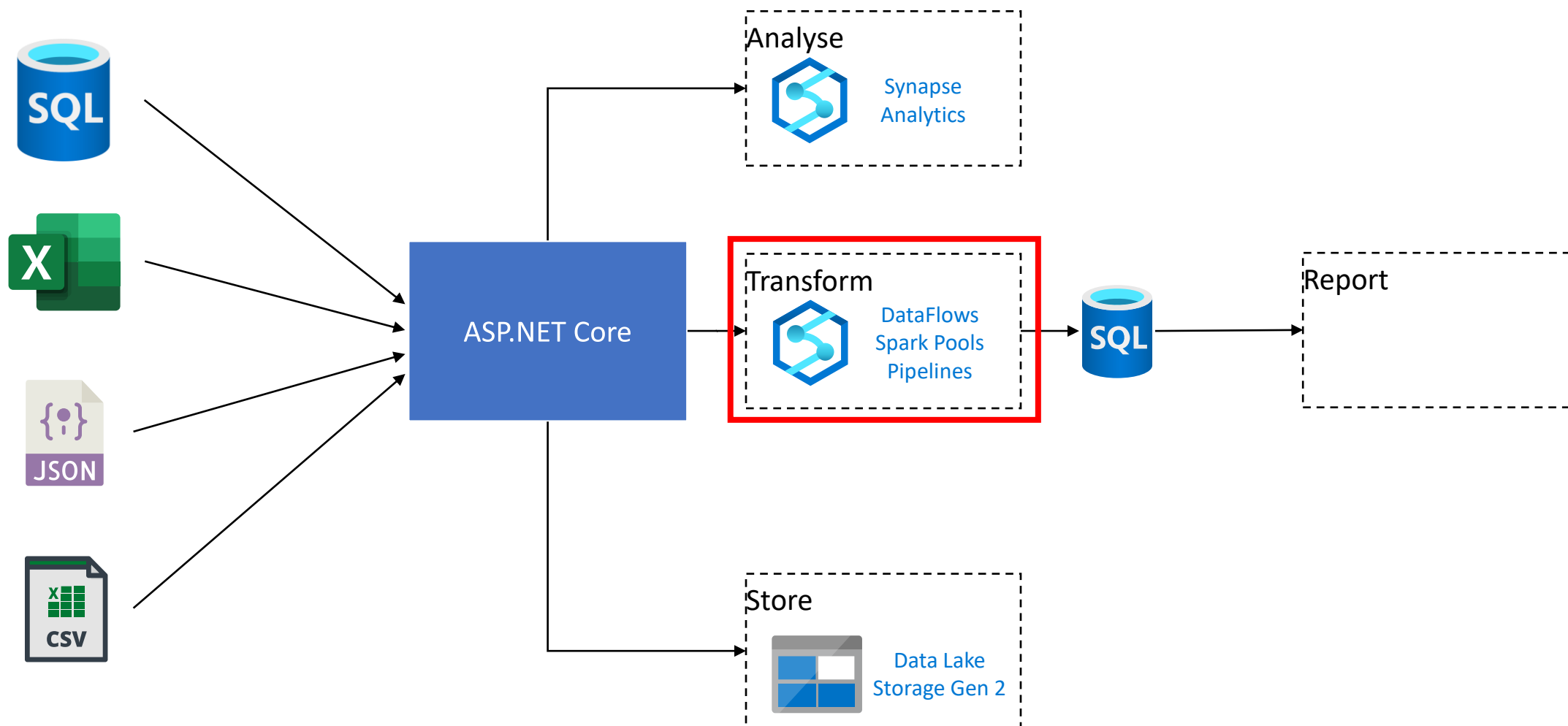


From flat table to star schema

FLAG_OWN_CAR	FLAG_OWN_R...	CNT_CHILDREN	AMT_INCOME...	NAME_INCOM...	NAME_EDUCA...	NAME_FAMILY...	NAME_HOUI...	DAYS_BIRTH	DAYS_EMP...
Y	Y	0	112500	Working	Secondary / sec...	Married	House / apartm...	-21474	-1134
N	Y	0	283500	Pensioner	Higher education	Separated	House / apartm...	-22464	365243
N	Y	0	283500	Pensioner	Higher education	Separated	House / apartm...	-22464	365243
Y	Y	0	135000	Commercial ass...	Secondary / sec...	Married	House / apartm...	-17778	-1194
N	Y	0	157500	Working	Secondary / sec...	Married	House / apartm...	-10031	-1469
N	Y	1	405000	Commercial ass...	Higher education	Married	House / apartm...	-11842	-2016
N	Y	1	405000	Commercial ass...	Higher education	Married	House / apartm...	-11842	-2016
Y	Y	0	112500	Commercial ass...	Secondary / sec...	Married	House / apartm...	-20502	-4450
Y	Y	0	112500	Commercial ass...	Secondary / sec...	Married	House / apartm...	-20502	-4450
Y	Y	0	112500	Commercial ass...	Secondary / sec...	Married	House / apartm...	-20502	-4450



Data-driven applications: workflow

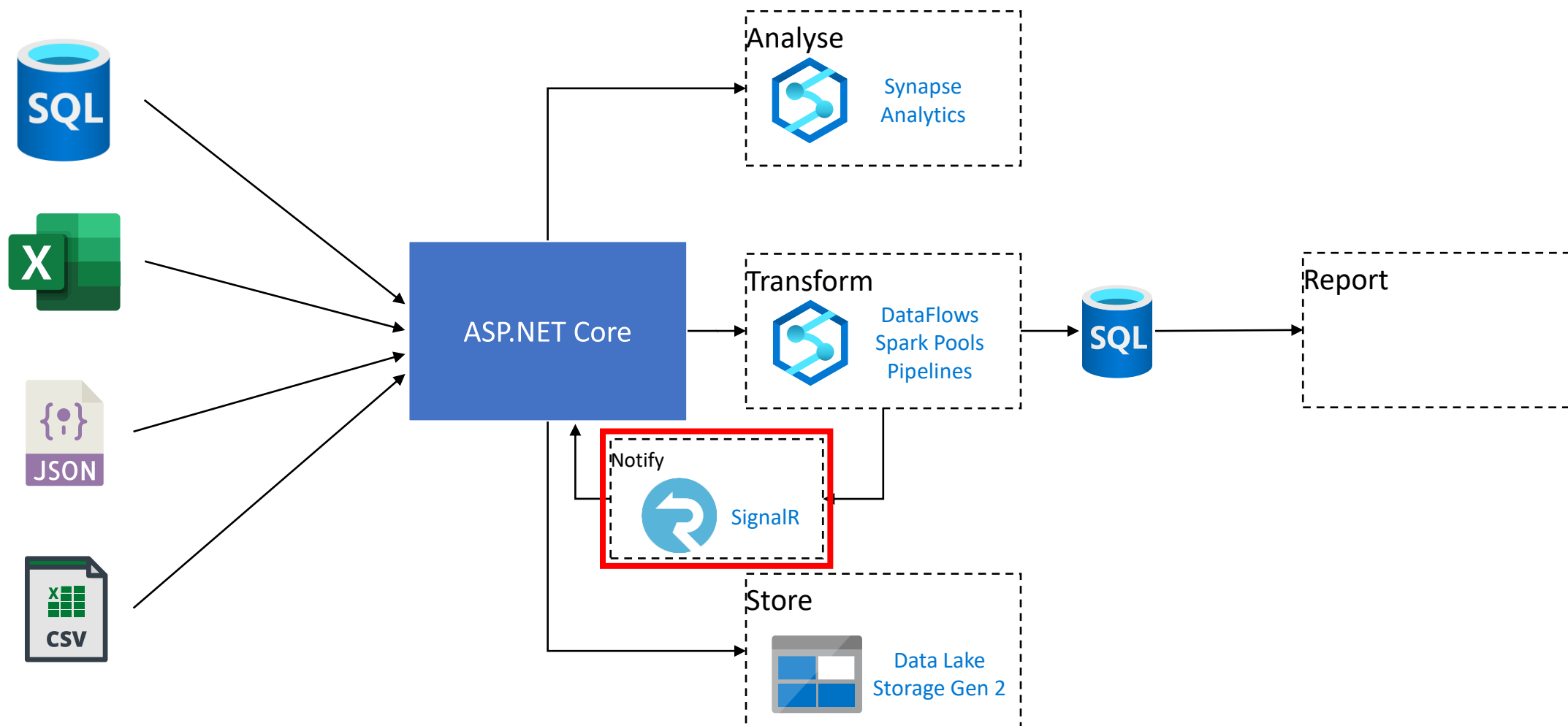


Demo



 Data Analysis and Transformation

Data-driven applications: workflow

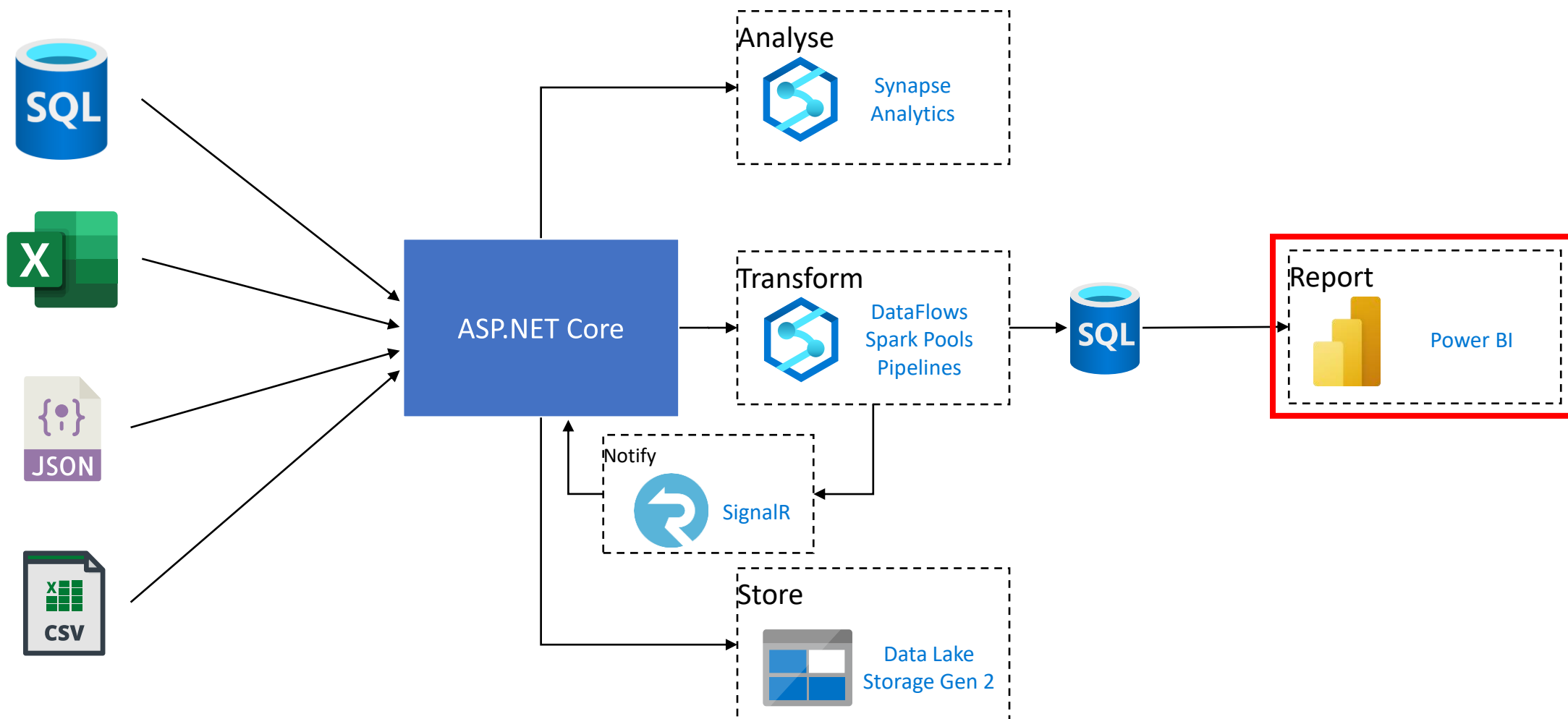


Demo



Integration with SignalR

Data-driven applications: workflow



Demo



 Embed Power BI in your web site

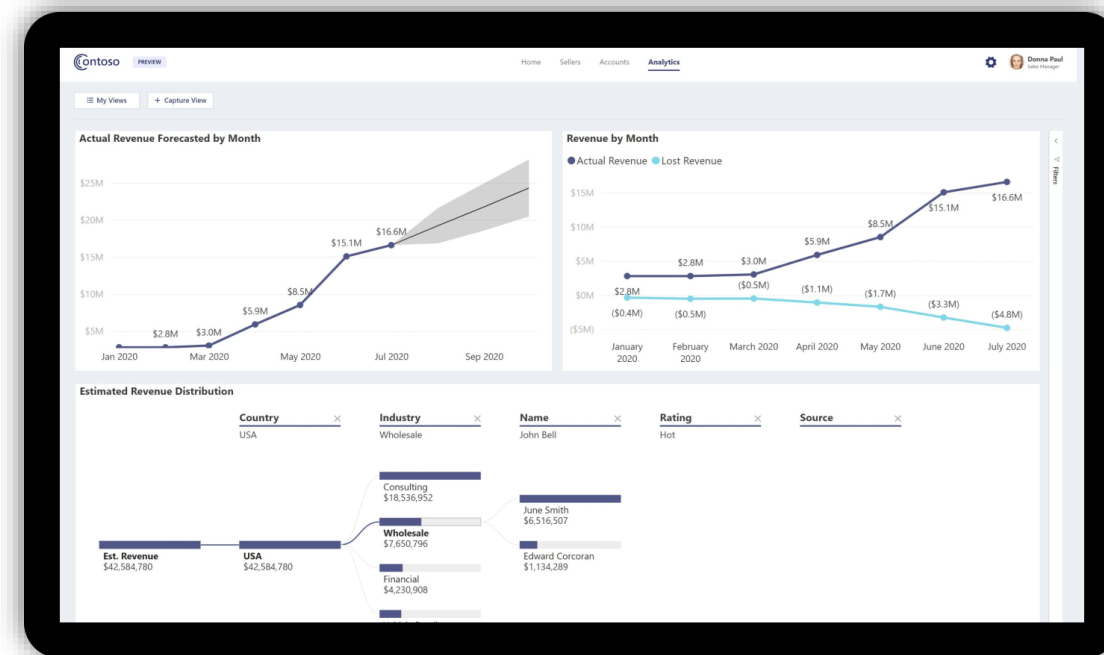
Power BI Pro – Premium – Embedded



Embed Power BI visuals in your website

Two models available:

- User owns data: **Premium** (Pro enough in some scenarios)
- Application owns data: **Embedded**



Recap

- Secure data upload on Data Lake Gen2
- Data analysis via Lake Database
- Data Transformation via Mapping Data Flows
- Custom Processing in Apache Spark Notebooks
- SignalR for notifications
- Embed PowerBI reports on your website
 - <https://github.com/microsoft/PowerBI-JavaScript>

Please rate this session using



.NET DeveloperDays mobile app

(available on Google Play and AppStore)

Thank you! 😊



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Get the bits at
<https://github.com/cradle77/DataDemo>

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