

Introduction to Azure Data Factory



Session Objectives And Takeaways

- Learn Azure Data Factory Concepts
- Learn how you can use Azure Data Factory to build an end to end solution
 - Take raw telco call data
 - Use HDInsight to enrich the data
 - Score enriched dataset against an Azure ML model
 - Push results into an Azure SQL DB
 - Use Power BI to visualize the results

The need for trusted information production



Marketing campaign analysis

Interactive Entertainment



User and product profiling

Interactive Entertainment/Retail



Customer sentiment analysis

Interactive Entertainment/Retail



Personalized product recommendation

Retail



Customer shopping behavior analysis

Retail



Pricing optimization

Retail



Corrective and predictive maintenance and repairs

Manufacturing (IOT)



Operational telemetry and health reporting

Online Services



Actuarial modelling and reporting automation

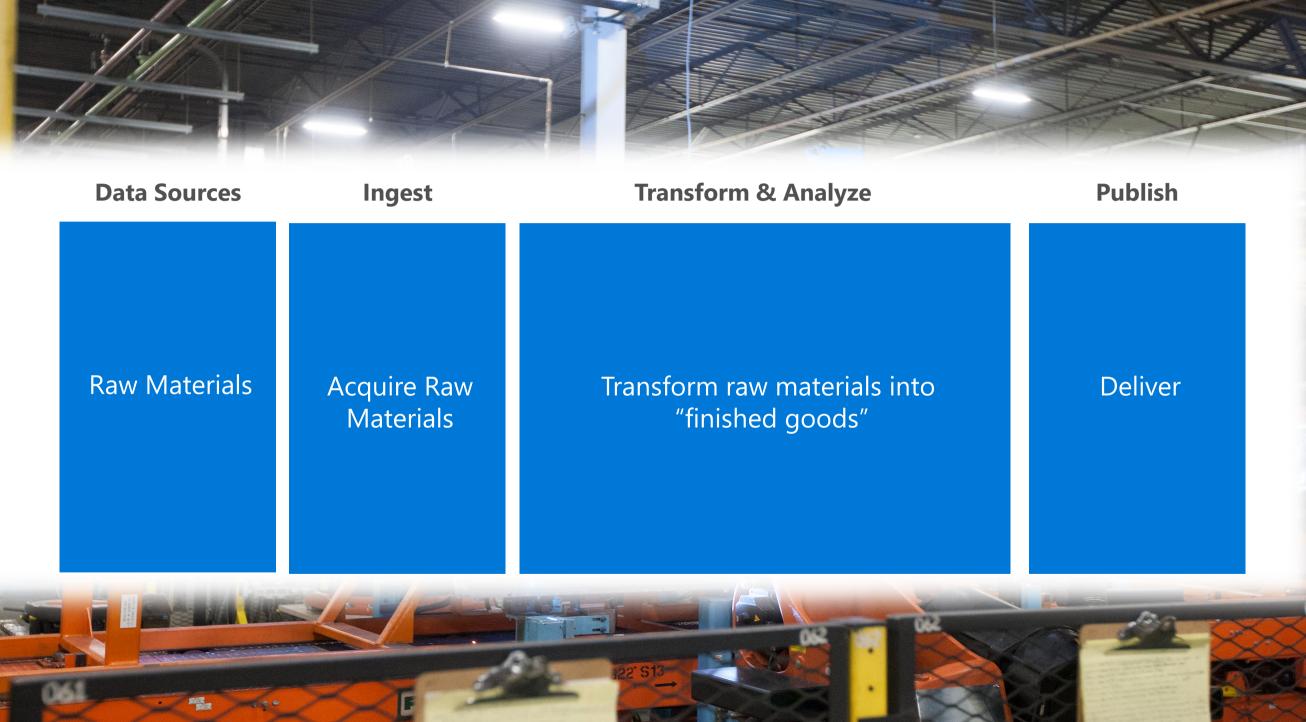
Financial Services

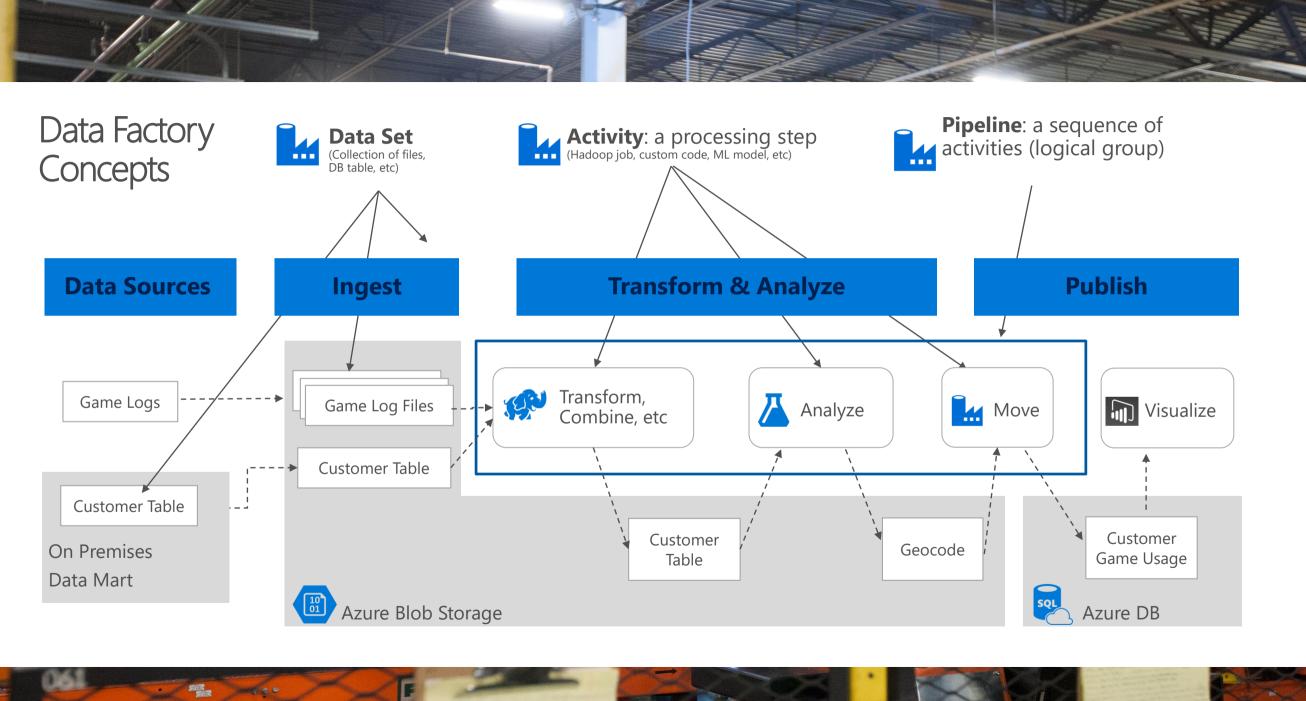


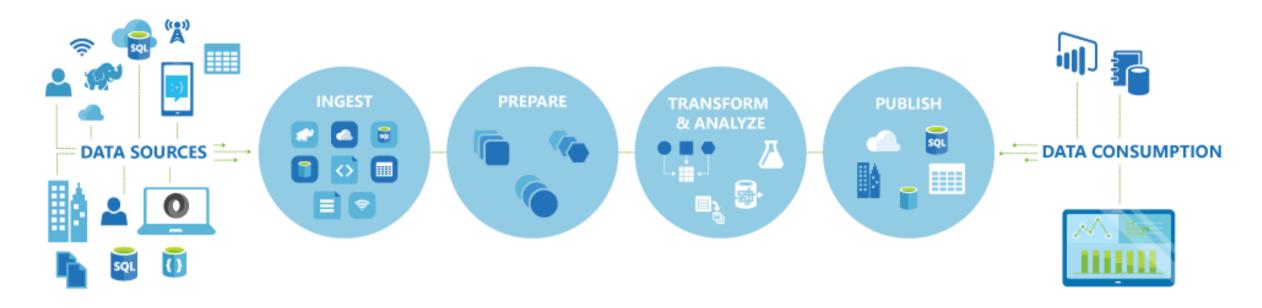
Financial risk modelling and analysis

Financial Services









Azure Data Factory

A managed cloud service for building & operating data pipelines



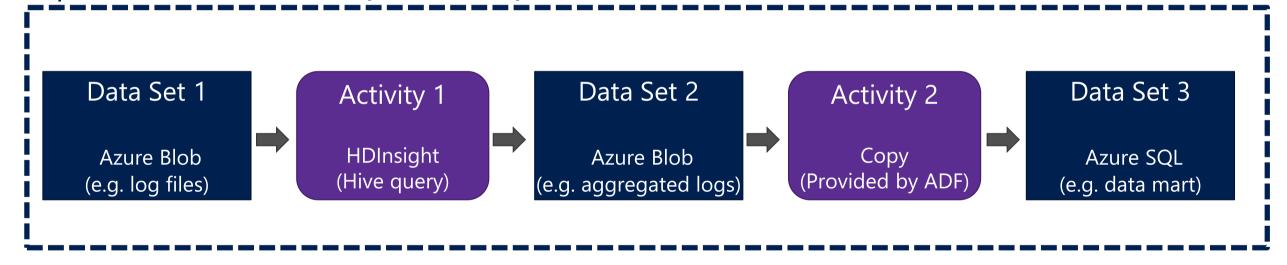
Azure Data Factory

- Orchestrate, monitor & schedule Compose data processing, storage & movement services (on premises & cloud)
- Automatic infrastructure management
 - Combine pipeline intent w/ resource allocation & mgmt
 - Globally available data movement capability
- Single pane of glass One place to manage and monitor your data pipelines

Example

Process log files with Hadoop & load the results into my Azure SQL Database

Pipeline (Active Period: July 2015 to July 2016)



Additional Common Use Cases

- Customer Profiling: Product Recommendations, customized offers, customer usage tracking, customized marketing, etc
- Operational Excellence: Telemetry systems, usage optimization, etc
 - Load your Data Lake
 - Load your Data warehouse/mart

Get Started!

Visit <u>www.azure.com/df</u>

Github Code Sample Repository

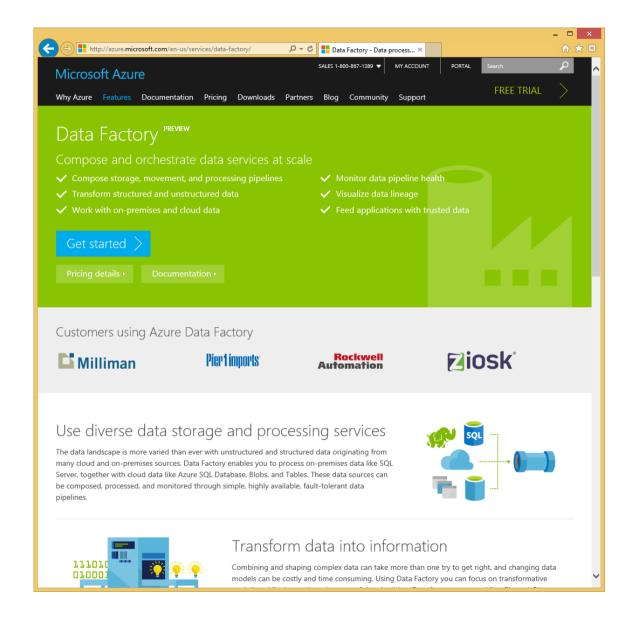
https://github.com/Azure/Azure-DataFactory

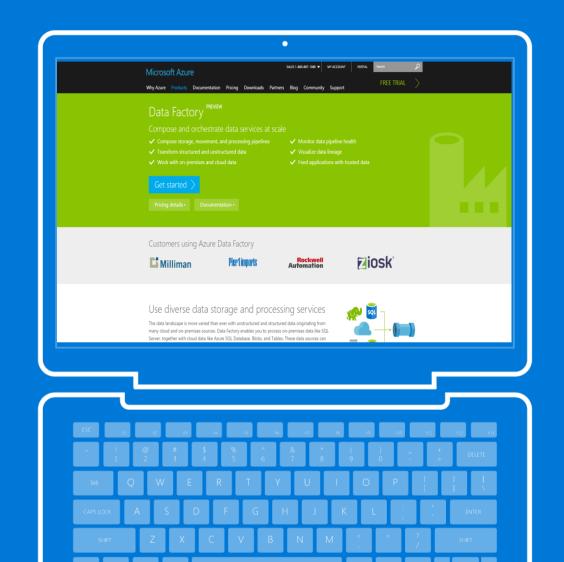
Microsoft Case Studies

Milliman - Actuarial Automation

Rockwell Automation - Operational Excellence

Visit Azure Data Factory Feedback Forums on MSDN and Azure UserVoice





Let's Get started! Deploying your first Azure Data Factory

