# Capgemini

How to Become a Truly Data Driven Enterprise – Trends, Technologies and Scenarios

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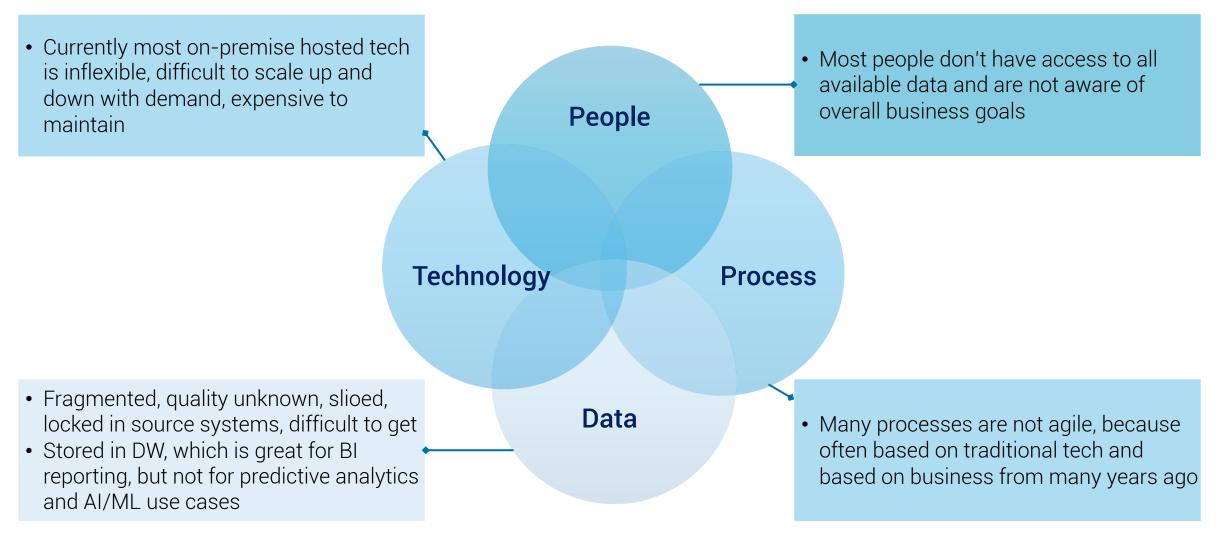




May 18th, 2020



# The Challenges

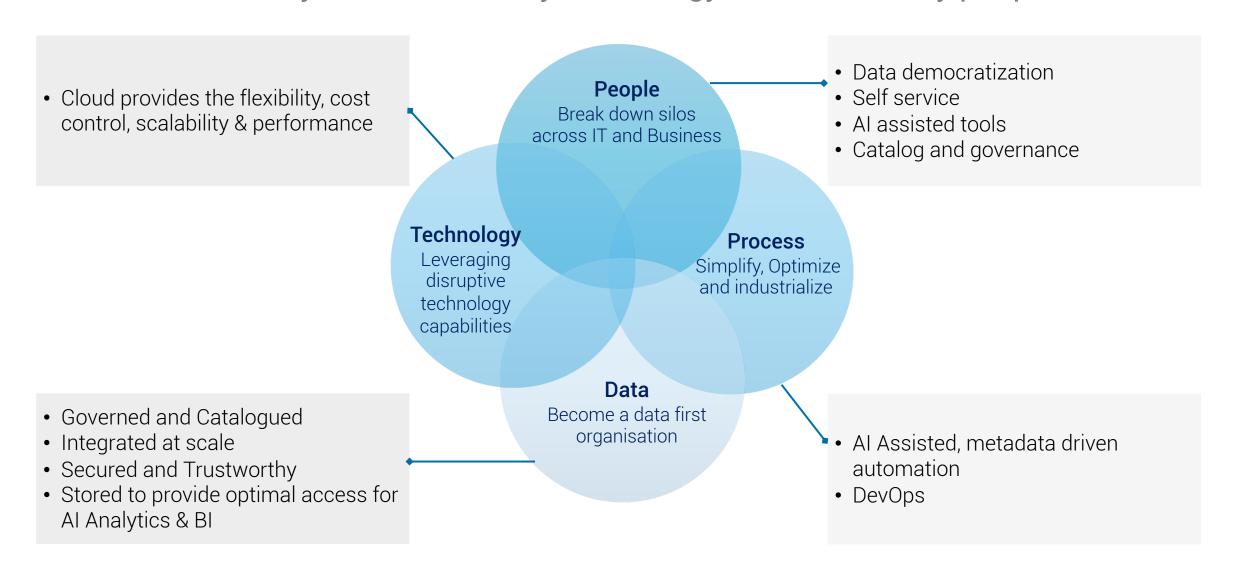


The TECHNOLOGY LANDSCAPE OF TODAY is unable to meet the agility and innovation required by the business and customer demands of today & tomorrow

## Drivers to Modernize Enterprise Data Landscapes

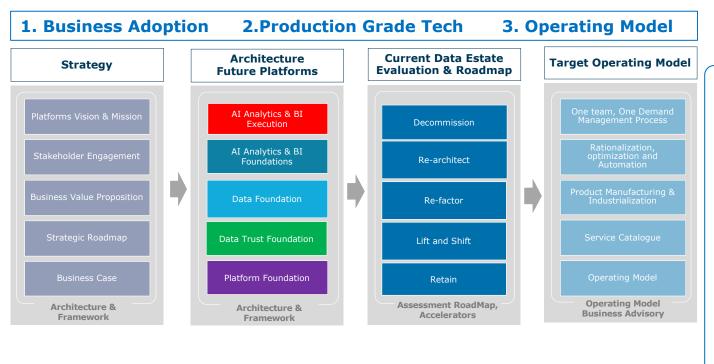


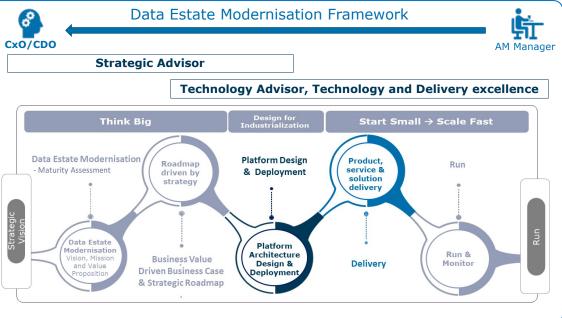
Powered by data, enabled by technology, and enacted by people



# How Capgemini, Microsoft and Informatica can help ...

Define strategy, right architecture foundation and target operating model linked to the business outcomes. Capgemini provides a framework to help organize people, technology, processes and data to accelerate the data driven transformation journey





Start Small



# "Design for Industrialization"

### Platform Design to Deployment

## Architecture Future Data & Al Platform

**Reference Architectures** 

**Architecture Playbooks** 

#### **Vendor Partnerships**





Al Analytics & Bl Execution

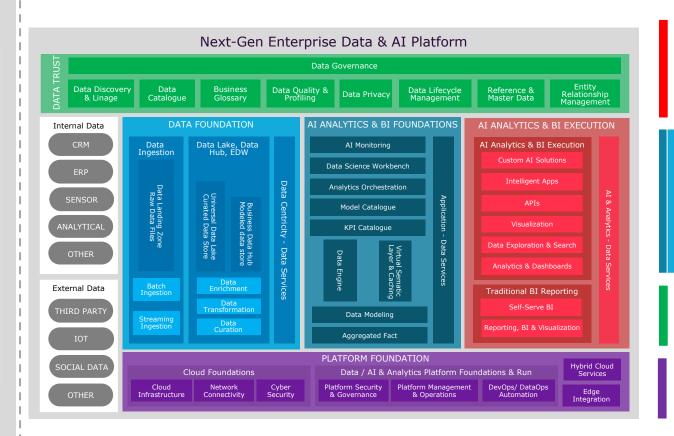
Al Analytics & Bl Foundation

**Data Foundation** 

**Data Trust Foundation** 

**Platform Foundation** 

**Architecture & Framework** 



Self-service and Enterprise BI using Microsoft **Power BI** 

Intelligent app ecosystem and workflows using Microsoft **Power Platform** 

Modernization and industrialization of Al Analytics and Bl capabilities using **Azure Synapse Analytics** and **Azure Machine Learning** 

Foundational Data Engineering capabilities using **Informatica** and **Azure data services** 

Data trust strategy, process and tooling using **Informatica** 

Platform security, operations management and governance using **Azure DevOps**, **Azure Security Centre**, **Azure Monitor** etc.



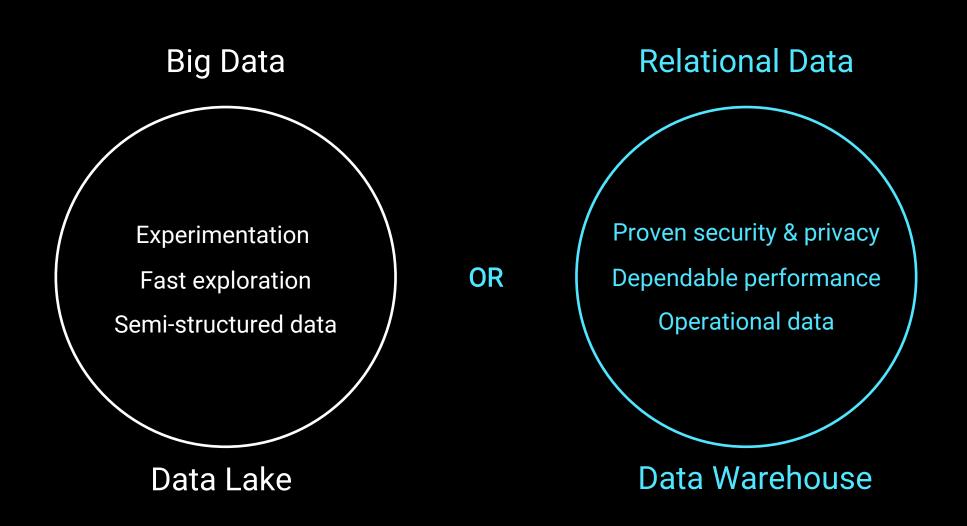
# Analytics & Al is the #1 investment for business leaders, however they struggle to maximize ROI

80%

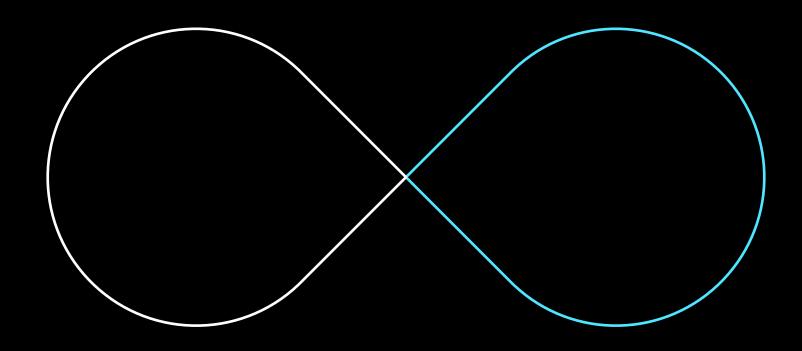
report struggling to become mature users of data\* 55%

report data silos and data management difficulties as roadblocks\*

# Businesses are forced to maintain two critical, yet independent analytics systems

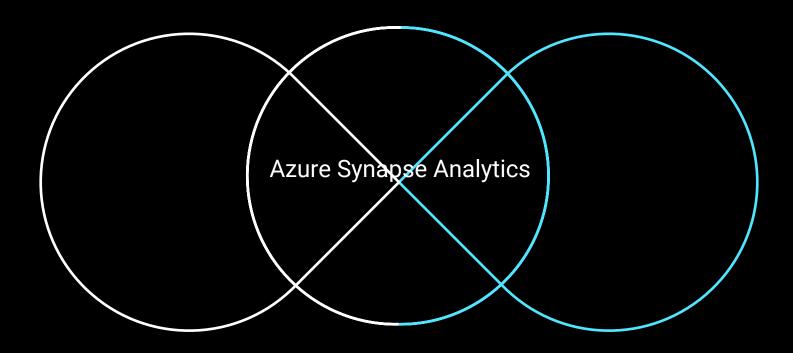


# Azure brings these two worlds together, in a single service, to provide limitless analytics

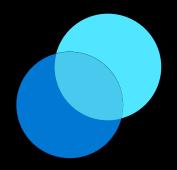


Data warehousing & big data analytics—all in one service

# Azure brings these two worlds together, in a single service, to provide limitless analytics



Data warehousing & big data analytics—all in one service



## Introducing Azure Synapse Analytics

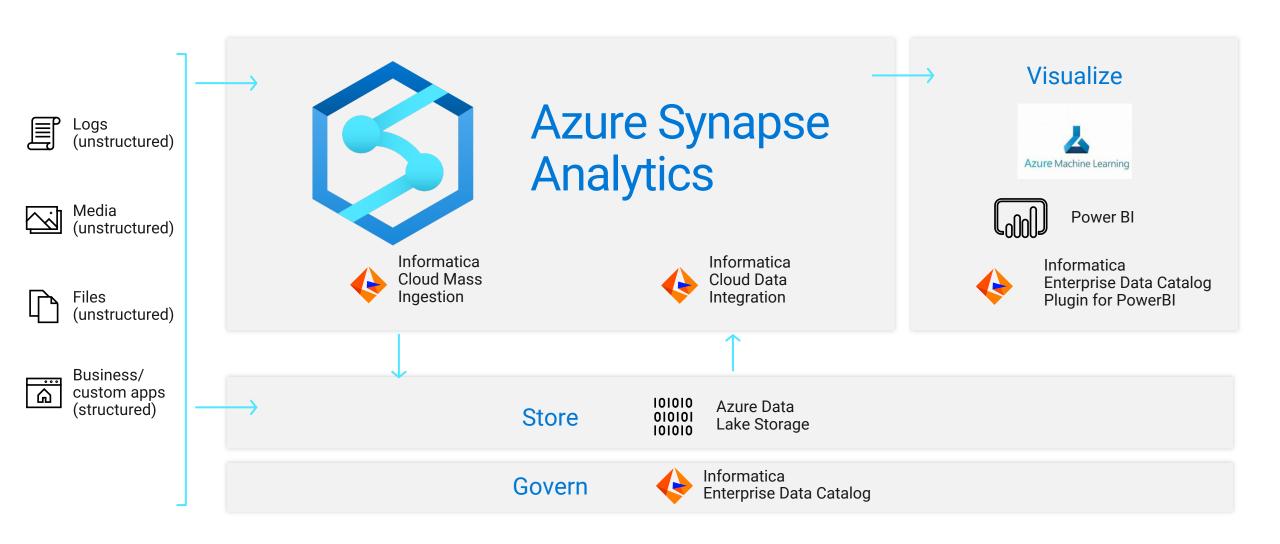
A limitless analytics service with unmatched time to insight, that delivers insights from all your data, across data warehouses and big data analytics systems, with blazing speed

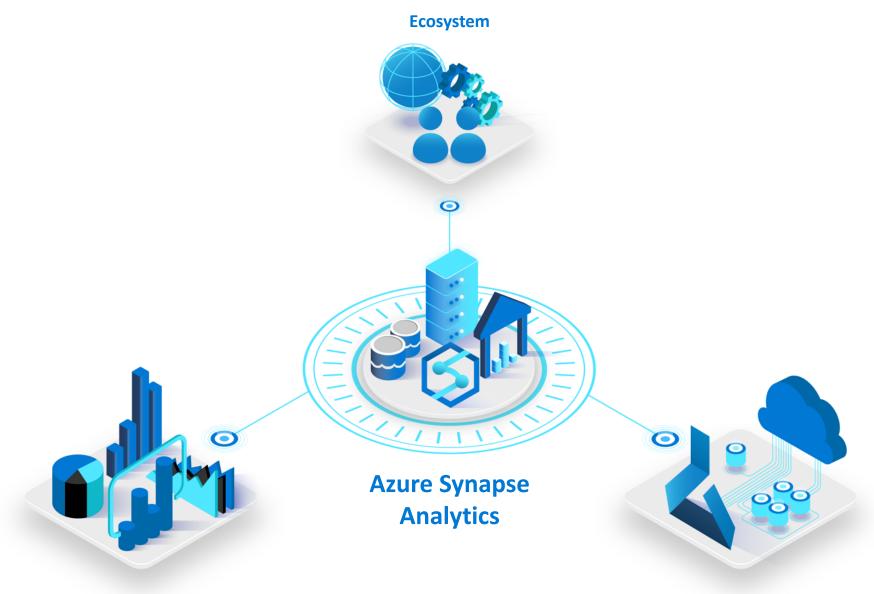
Simply put, Azure Synapse is Azure SQL Data Warehouse evolved

We have taken the same industry leading data warehouse and elevated it to a whole new level of performance and capabilities

## **Azure Modern Data Warehouse**

Best end-to-end ecosystem based on Azure and Informatica technology





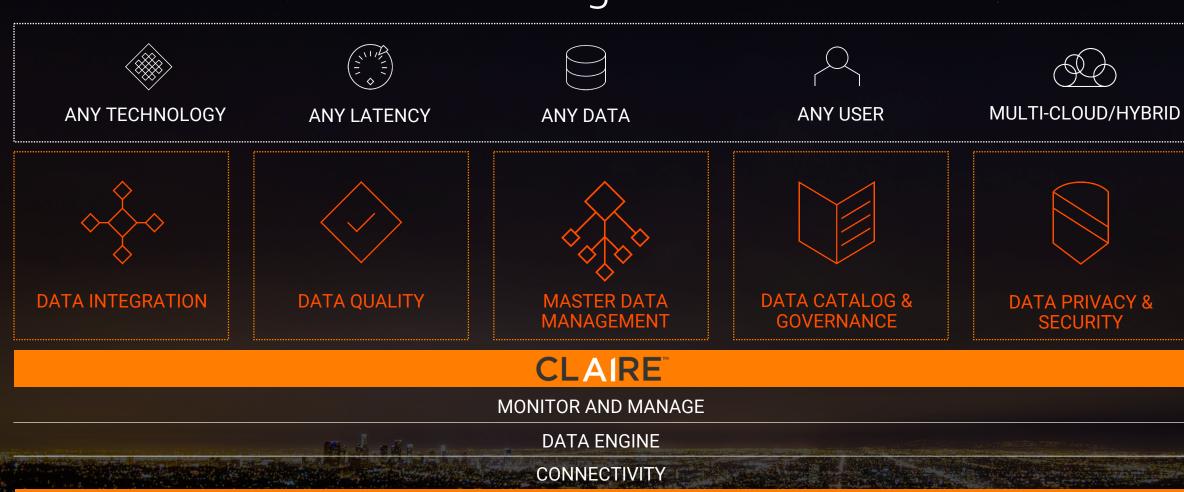
**Power BI** 

**Azure Machine Learning** 

# System Thinking 3.0



# Informatica Intelligent Data Platform











Microsoft Azure



















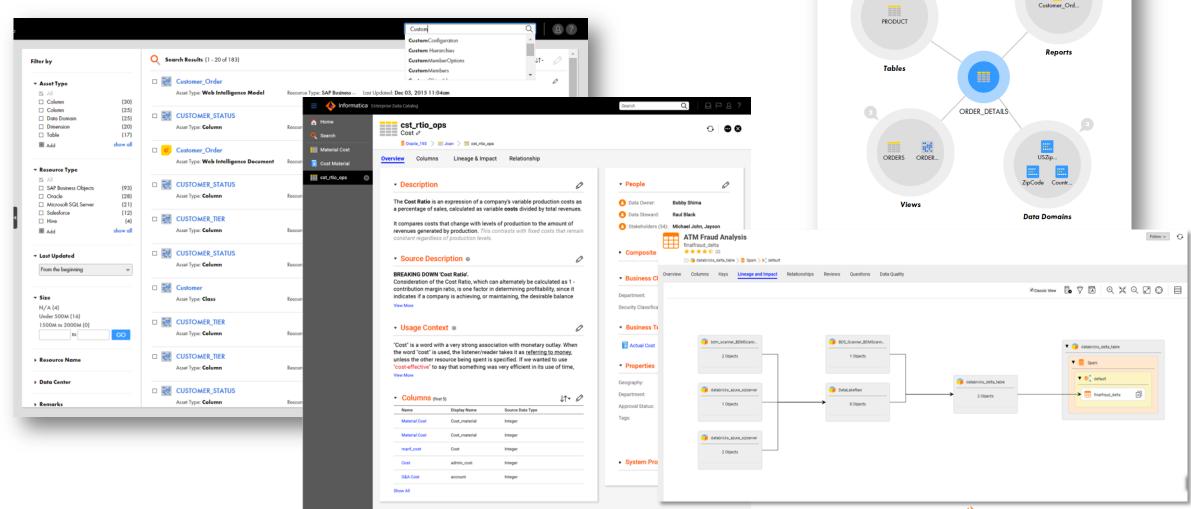








Provide insight in data assets Enterprise data catalog as google for data





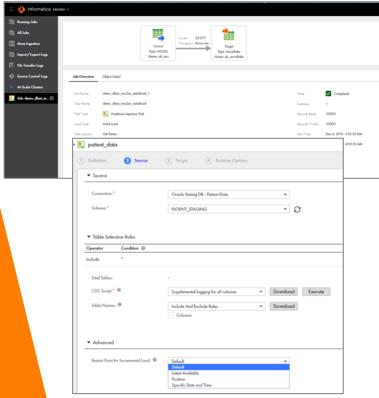
## Ingest Data from Database, Streaming, Files



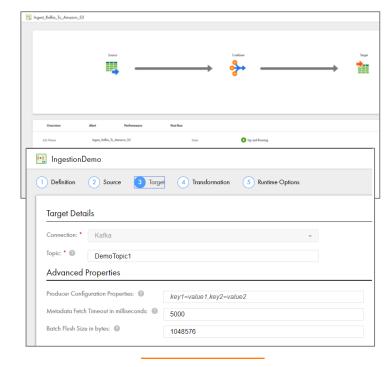




#### **DATABASE INGESTION**

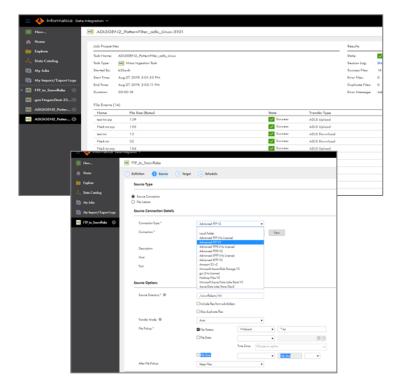


STREAMING INGESTION



Cloud Data Integration

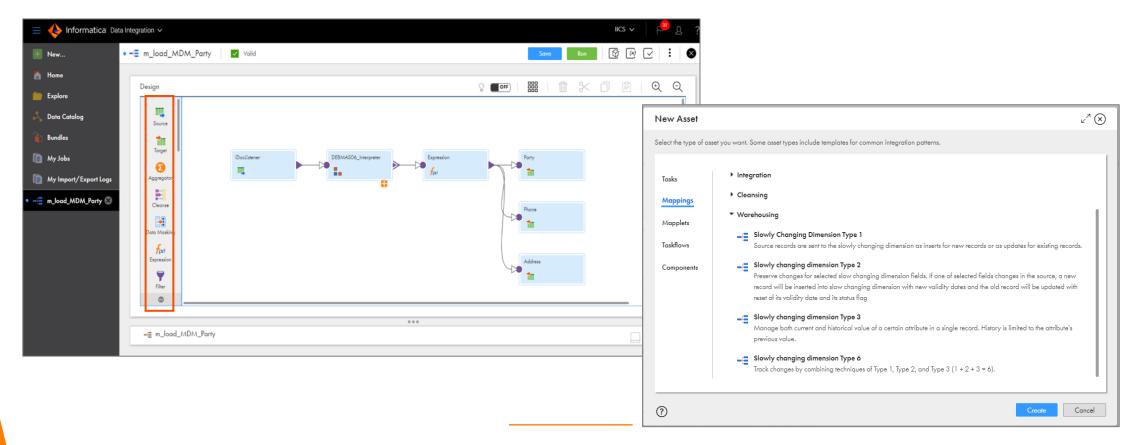
#### **FILE INGESTION**





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## Codeless Development Environment

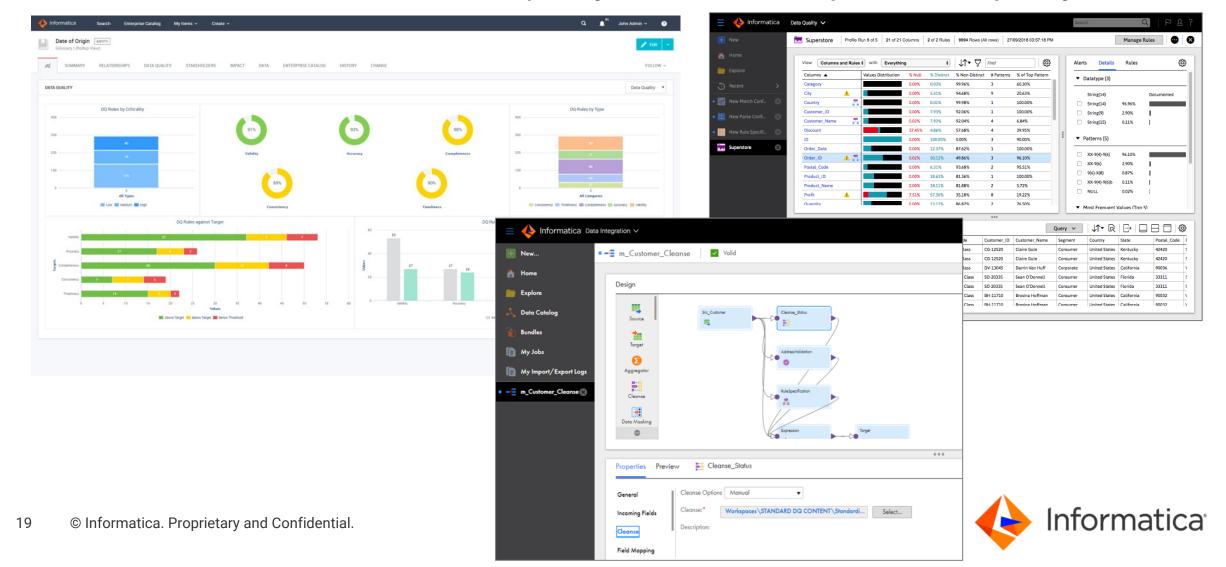


Cloud Data Integration

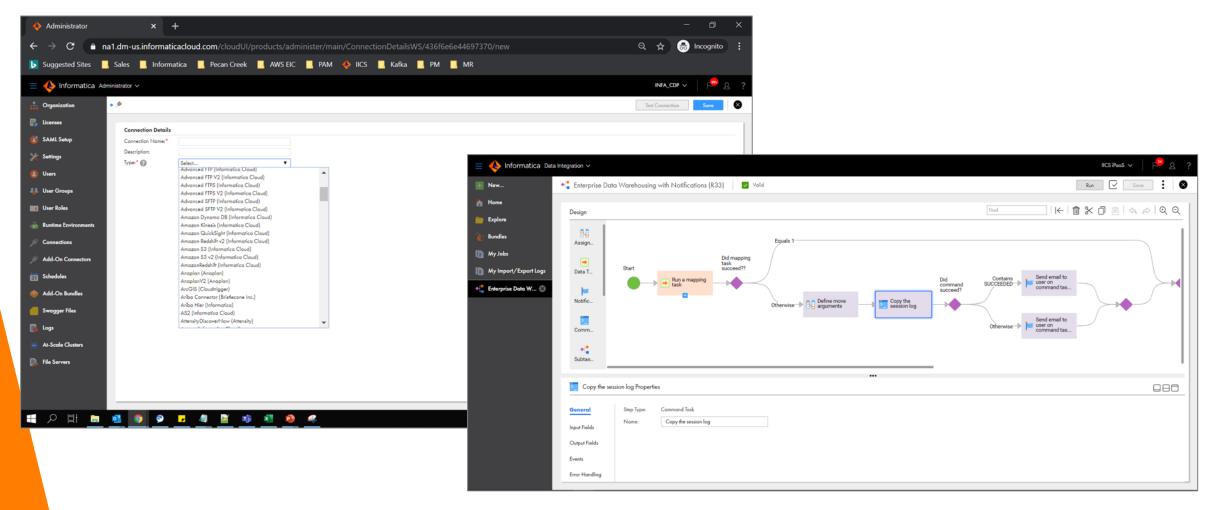


## Enterprise business focused data quality

Define, measure and enhance data quality based on enterprise wide quality rules



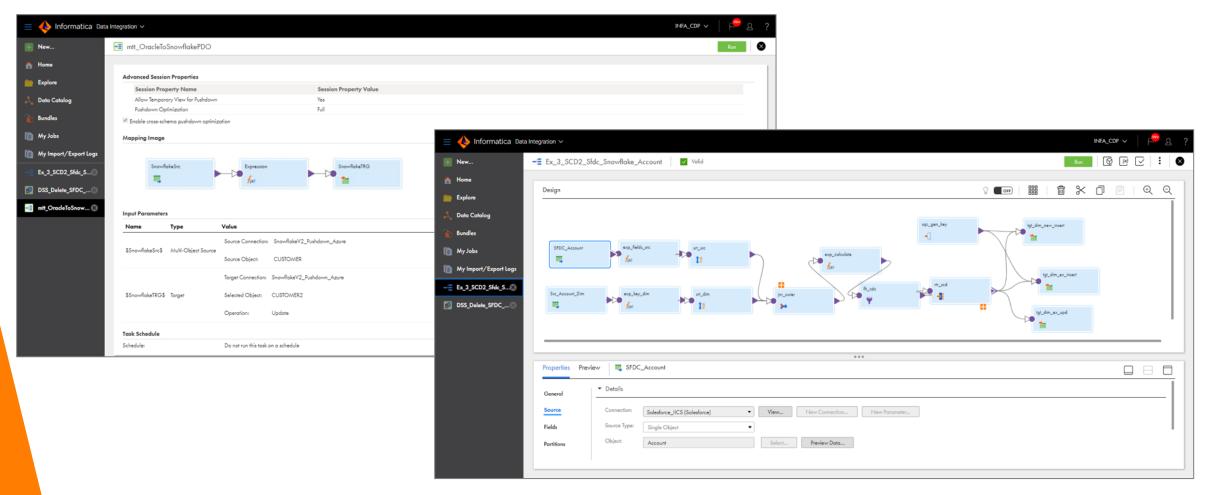
# Broad Connectivity and Robust Orchestration







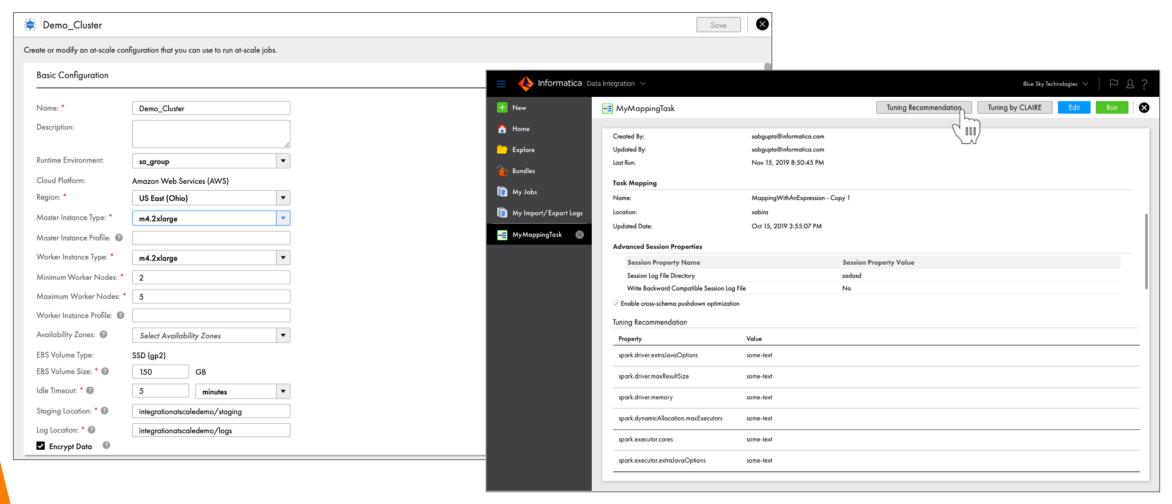
## Support for ETL and ELT modes







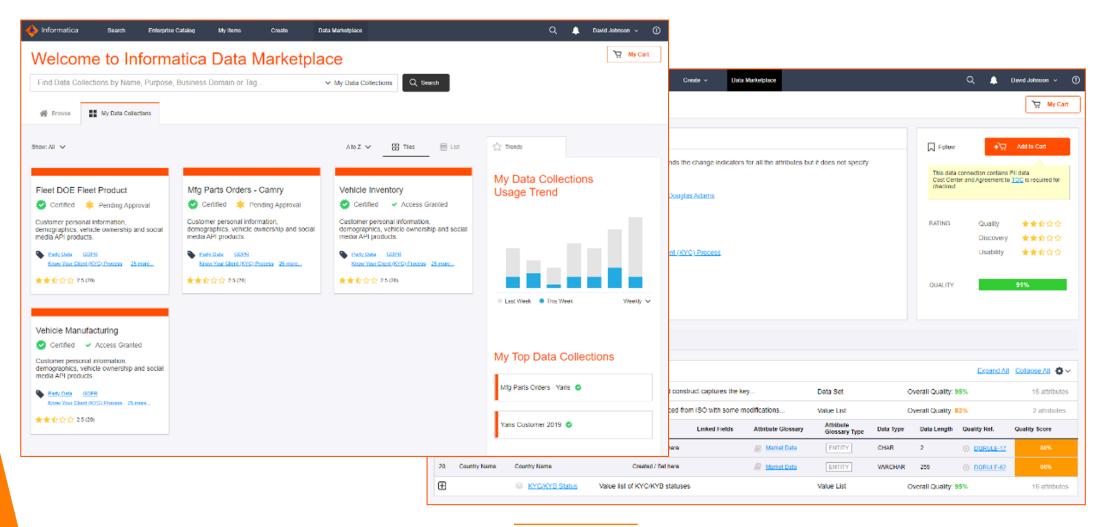
# Serverless Spark Processing with Elasticity







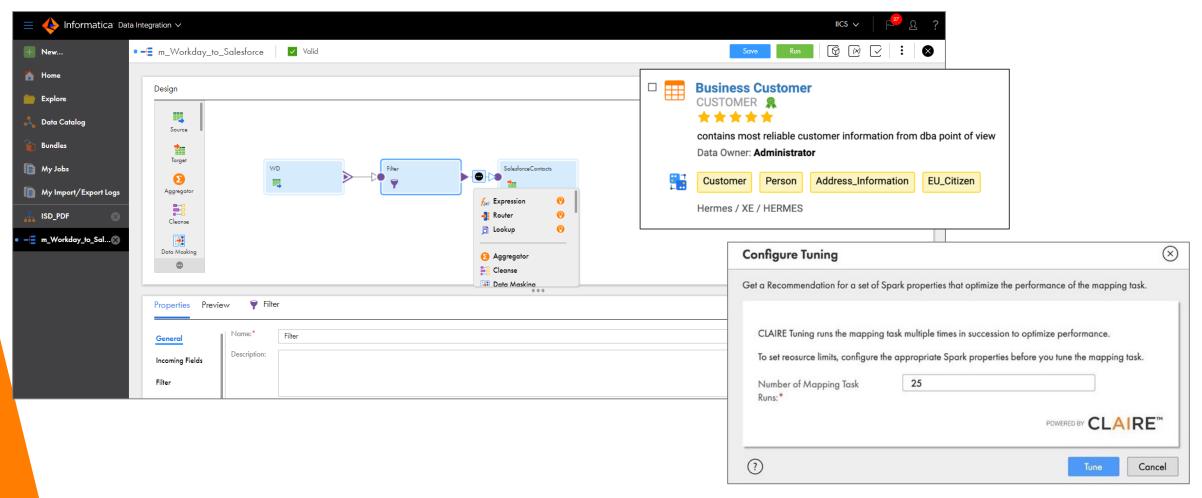
## Democratize access to data





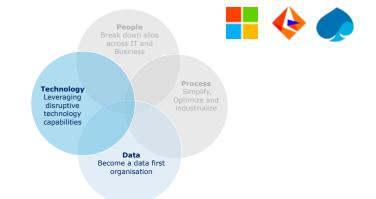


## Intelligent Platform – smart recommendations









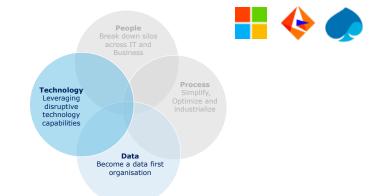
#### **Key Drivers**

- Establish a Federated System
  Data Lake
- Data driven collaboration and realize new business value
- Provide value and capabilities to the customer ecosystem entities
- TCO reduction

#### **Solution**



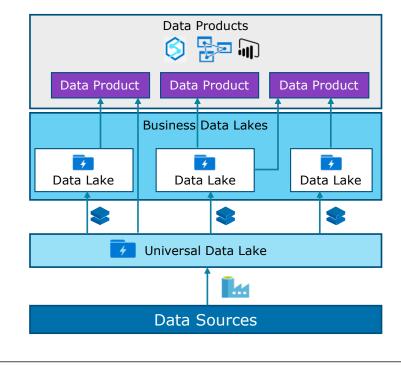
- Rapid product development
- Faster availability of data
- On-demand scaling
- Robust data foundation
- Flexibility and cost efficiency
- Data standardization



#### **Key Drivers**

- Speed and agility supported by the right data
- Reduce BAU / Run costs
- Data consolidation
- On-demand analytics products

#### Solution



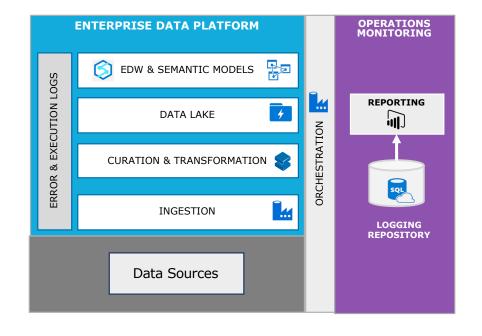
- Improved system performance and higher speed to market
- Better cost efficiency
- On-demand analytical insights across business lines at scale
- Robust data foundation
- Improved service efficiency



#### **Key Drivers**

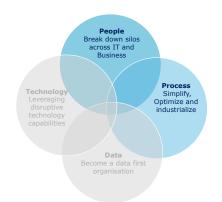
- Faster identification of data issues
- Improve platform operations
- Establish platform governance

#### **Solution**



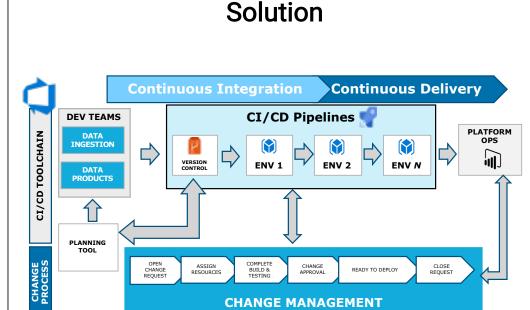
- Efficient monitoring and management of data operations
- Auditing and faster remediation of data issues
- Better management and usage of platform resources





#### **Key Drivers**

- Business and IT productivity
- Product delivery efficiency
- Collaboration and interoperability between stakeholders
- Quality assurance



- Reduced efforts
- Improved data product quality
- Collaborative and efficient planning and execution
- Improved platform IT operations efficiency
- Faster data ingestion

## Take Aways





To become a true data driven organization you need a strategy and a plan. Capgemini can help you build that.



You need a platform to store, process and analyze data. Microsoft Azure is that platform



You need clean, trustworthy data that is well understood and democratized. Informatica delivers that.







## Call to Action 1 / 2 Free Proof of Value from Capgemini + Microsoft + Informatica



Capgemini Microsoft Informatica + Free Hands-On **Cloud Data Warehouse** Cloud Data Warehouse **Migration Workshop Modernization Workshop Modernization Workshop Enterprise Data Catalog (EDC)** Free Data Catalog & **Intelligent Cloud Services (IICS) ETL Migration** Informatica Services + On-prem Data Warehouse **Free Code Migration Code Migration** Support Azure SQL DW Subscription Free Azure SQL DW (for duration of PoV) **Proof of Value Implementation Guidance** 







## Call to Action 2 / 2



### Interested to have a deep-dive session with us?

You can register for a deep-dive session with us at: <a href="https://www.capgemini.com/nl-nl/bronnen/webinar-week-data-modernization/">https://www.capgemini.com/nl-nl/bronnen/webinar-week-data-modernization/</a> We look forward to welcoming and joining you in the session.

### You can also reach out to the below contacts for follow-up requests:

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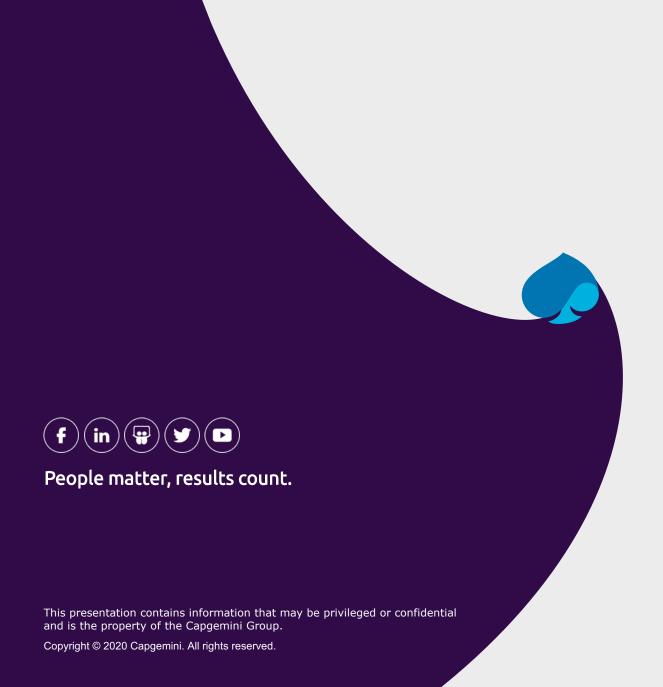
LinkedIn: <a href="https://www.linkedin.com/in/pieter-nieuweboer">https://www.linkedin.com/in/pieter-nieuweboer</a>

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Capgemini Expert Connect: <a href="https://www.capgemini.com/experts/insights-data/shuvadeep-dutta/">https://www.capgemini.com/experts/insights-data/shuvadeep-dutta/</a>



#### **About Capgemini**

A global leader in consulting, technology services and digital transformation, Capgemini is at the forefront of innovation to address the entire breadth of clients' opportunities in the evolving world of cloud, digital and platforms. Building on its strong 50-year heritage and deep industry-specific expertise, Capgemini enables organizations to realize their business ambitions through an array of services from strategy to operations. Capgemini is driven by the conviction that the business value of technology comes from and through people. It is a multicultural company of 200,000 team members in over 40 countries. The Group reported 2017 global revenues of EUR 12.8 billion.

Learn more about us at

www.capgemini.com/PerformAI