

**INFOSYS
ZERO DATA
ENGINEERING
POWERED BY
SNOWFLAKE
CORTEX &
SNOWPARK
CONTAINER
SERVICES**

Infosys
topaz

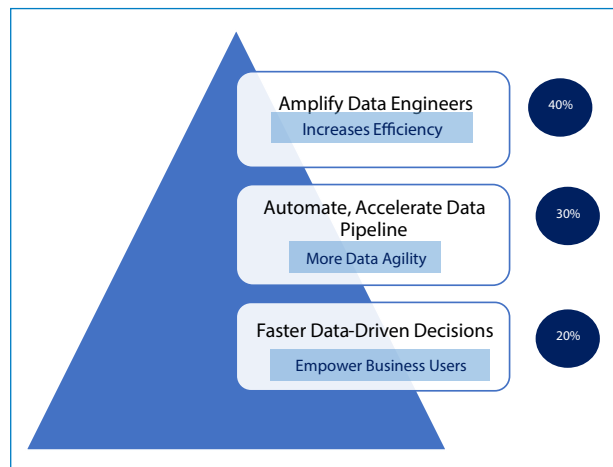


Overview and Industry Approach:

Leverages AI twin to automate data ingestion, transformation & delivery (batch & streaming) on Snowflake primarily leveraging the core capabilities Snowflake Cortex and Snowpark container services. Boost productivity by freeing data engineers from repetitive tasks, allowing them to focus on strategic initiatives like data modeling and advanced analytics. This AI-powered approach ensures consistent, high-quality data pipelines, enabling faster data-driven decision making and a competitive advantage.



Objectives are:



Infosys Zero Data Engineering helps Build Smarter Data Pipelines with accelerated Ingestion & Transformation with Cortex on Snowflake.

Six unique steps help accelerate the journey powered by snowflake Cortex are

Listen to Events, Streams and other data signals

Capture data from data stores, files, message queues, IOT ,APIs, data services, data events

Cleanse data using pre-built auto data cleansing libraries to

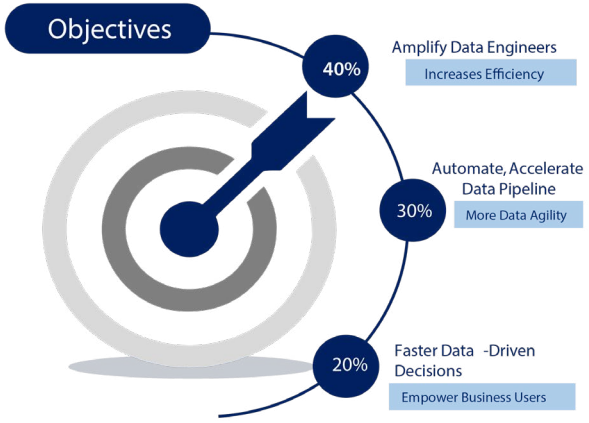
cleanse and standardize the data. Increase confidence and reliability in data.

Curate data leveraging a library of transformation operators, intelligent data mapping to transform and harmonize data as per business need.

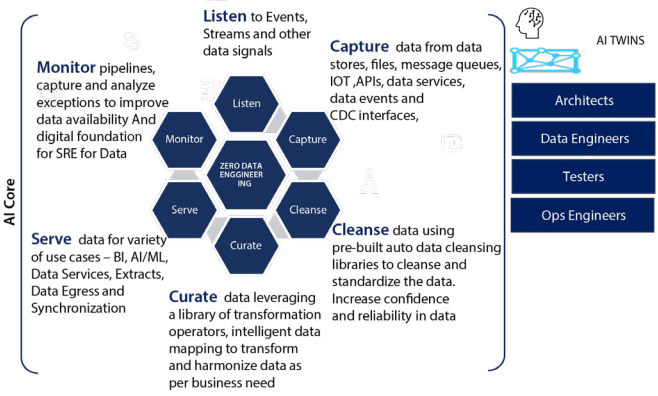
Serve data for variety of use cases – BI, AI/ML, Data Services, Extracts, Data Egress and Synchronization

Monitor pipelines, capture and analyze exceptions to improve data availability and digital foundation for SRE for Data

Innovation Accelerators



Infosys Zero Data Engineering : Build Smarter Data Pipelines with accelerated Ingestion & Transformation with Cortex on Snowflake

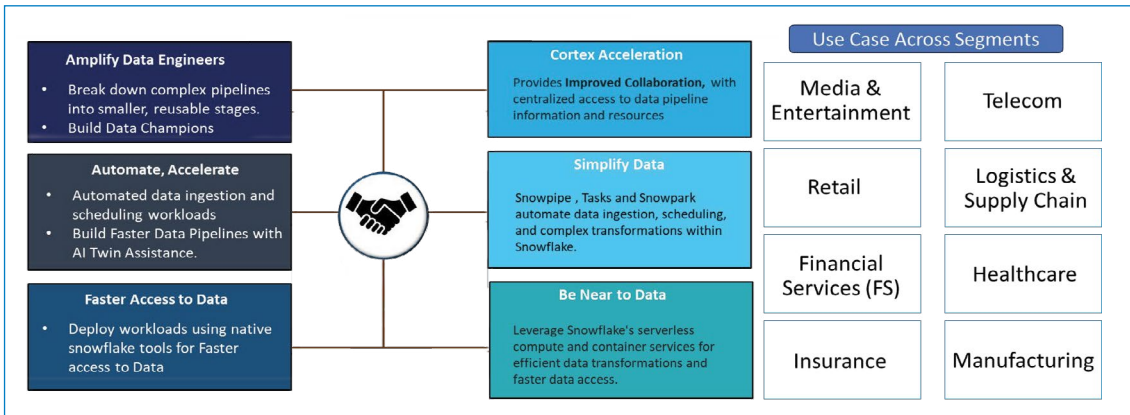


- Desired Outcomes**
- Unlock Data Faster
 - Increased Business User Autonomy
 - Faster Data Mapping and Transformations
 - Focus on Efficiency & Automation
 - The Right Choice for Speed and Cost -Effectiveness

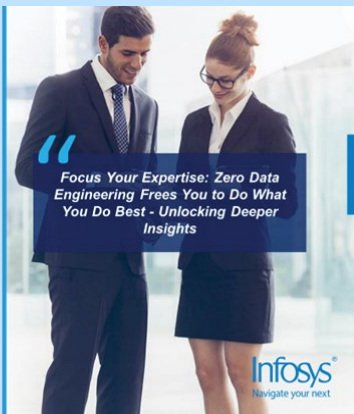
- Infosys Zero Data Engineering solution leverages the power of AI Brain and Snowflake Cortex Capabilities to amplify the Data engineers, Accelerate the Data Pipeline.
- Snowpark container Services leveraged along with DBT to orchestrate the Pipelines agility.

Benefits & Use Case Across Segments

Zero Data Engineering Automate Any Complex Data Engineering Workload , making it accessible to all skill levels, streamlining data infrastructure.



...Infosys Zero Data Engineering has a capabilities to Modernizing & Managing Large Data & AI Estate for customers globally



Infosys Topaz is an AI-first set of services, solutions and platforms using generative AI technologies. It amplifies the potential of humans, enterprises and communities to create value. With 12,000+ AI use cases, 150+ pre-trained AI models, 10+ AI platforms steered by AI-first specialists and data strategists, and a 'responsible by design' approach, Infosys Topaz helps enterprises accelerate growth, unlock efficiencies at scale and build connected ecosystems.

For more information, contact askus@infosys.com



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