

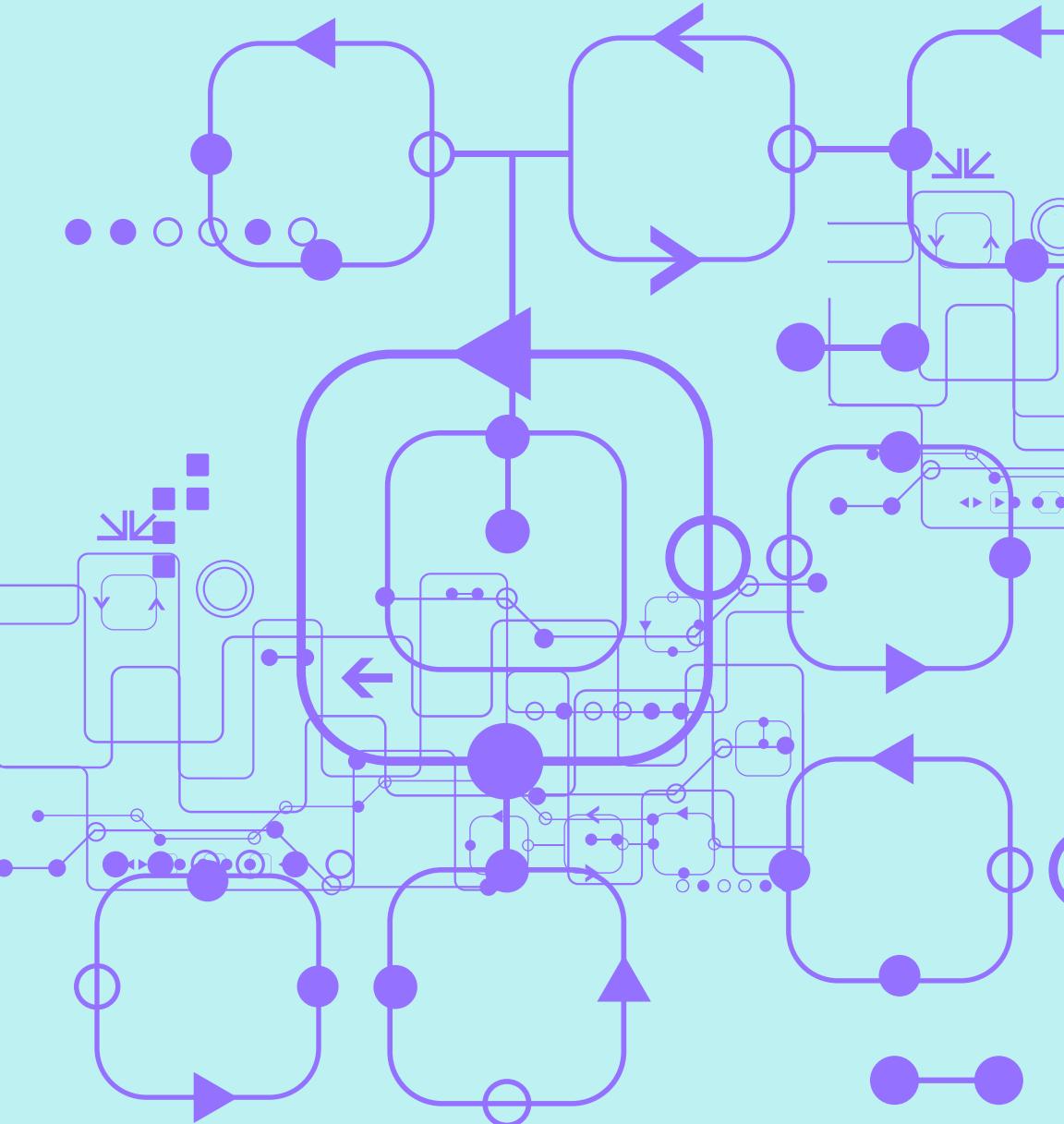


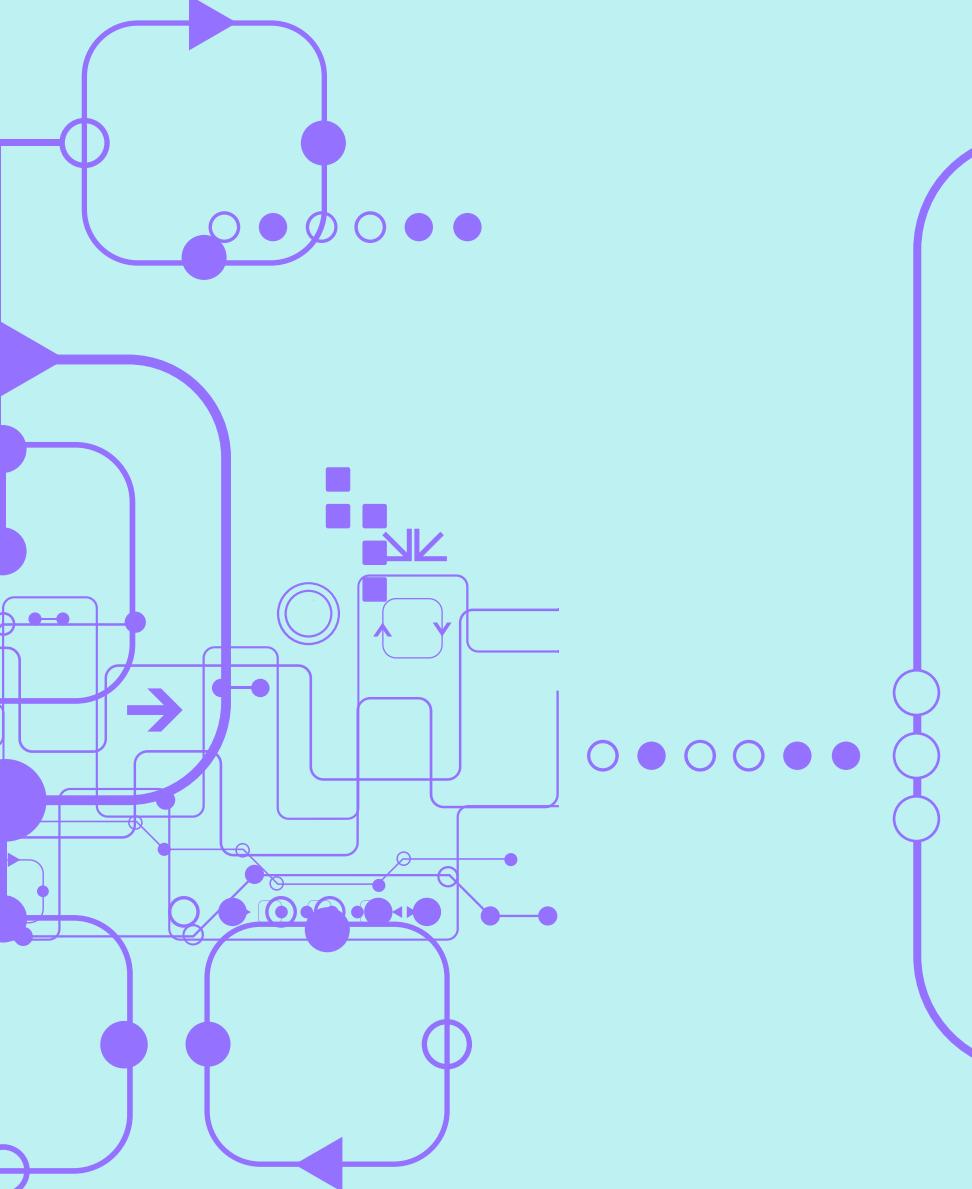
# SAS Viya with SingleStore

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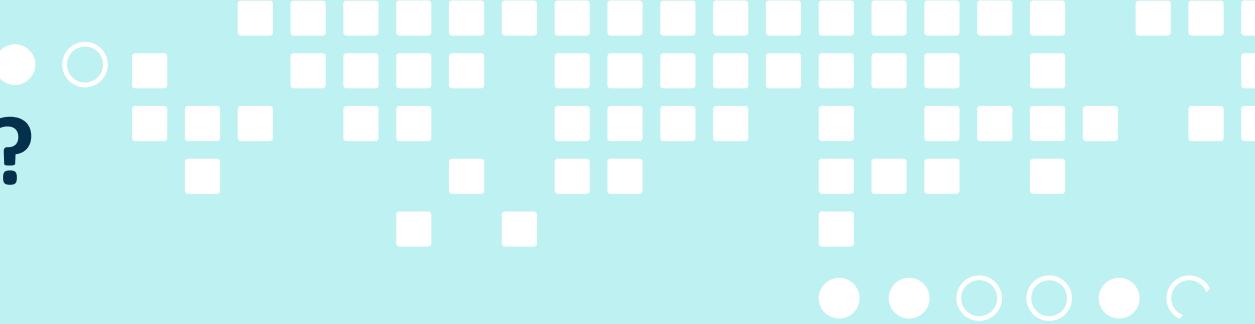


# Agenda

- What is SingleStore ?
  - ❖ SingleStore Architecture
- SAS Viya with SingleStore
  - ❖ Combined Architecture
- Case Study

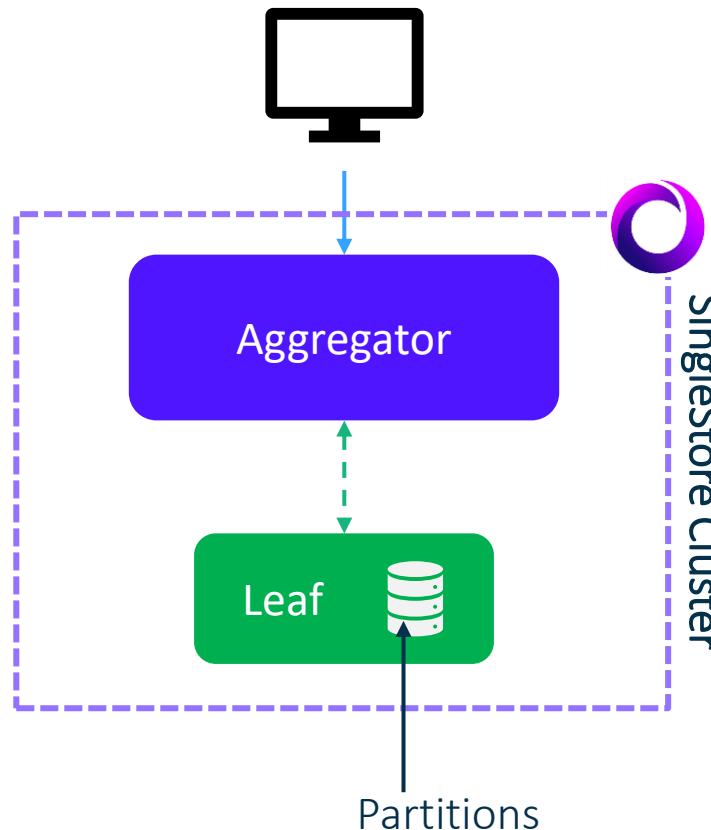


# What is SingleStore ?

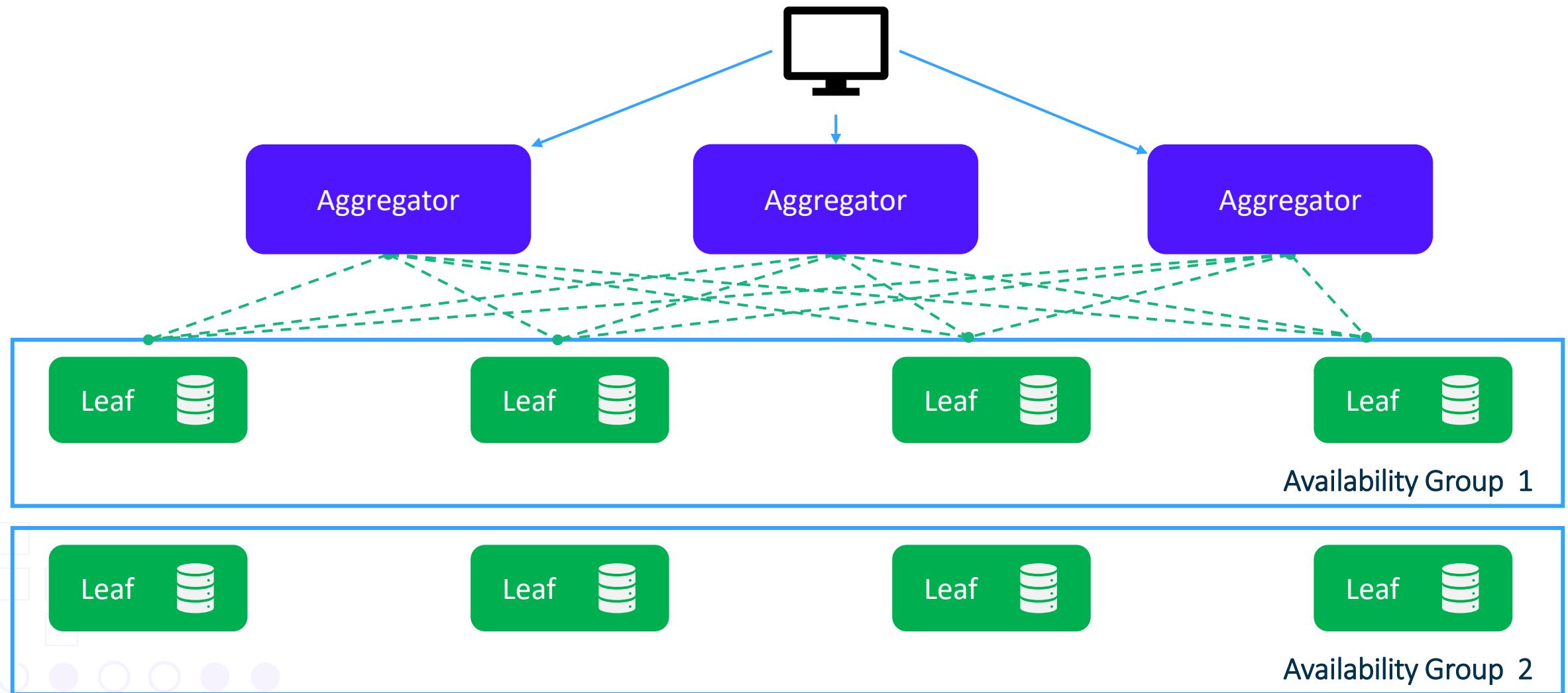


**SingleStore is a highly scalable, fast, distributed, SQL database management system designed to power modern data-intensive applications to deliver maximum performance for both transactional (OLTP) and analytical (OLAP) workloads in a single unified engine.**

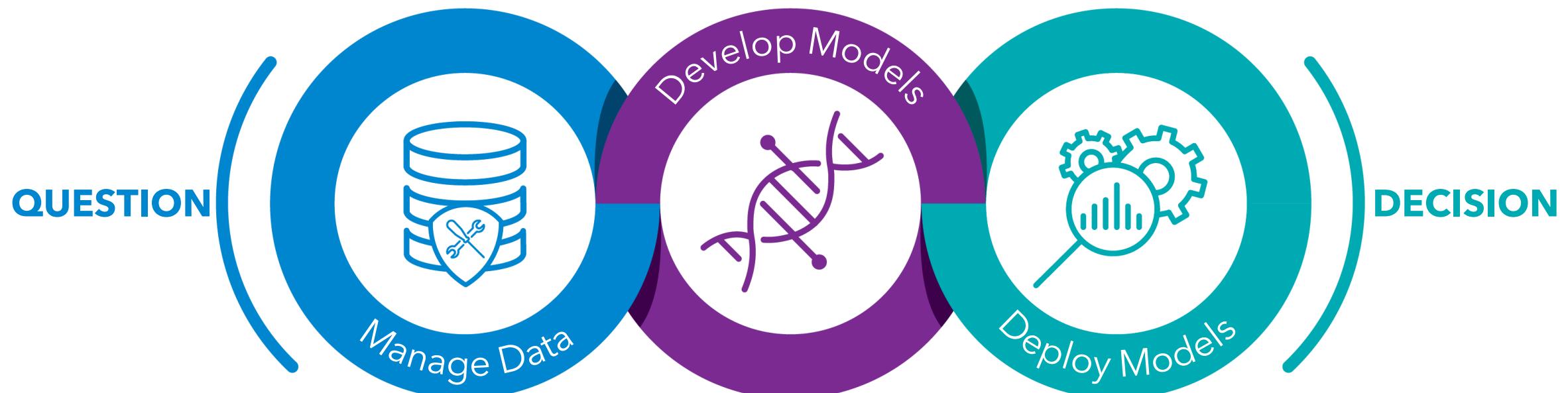
# SingleStore Architecture



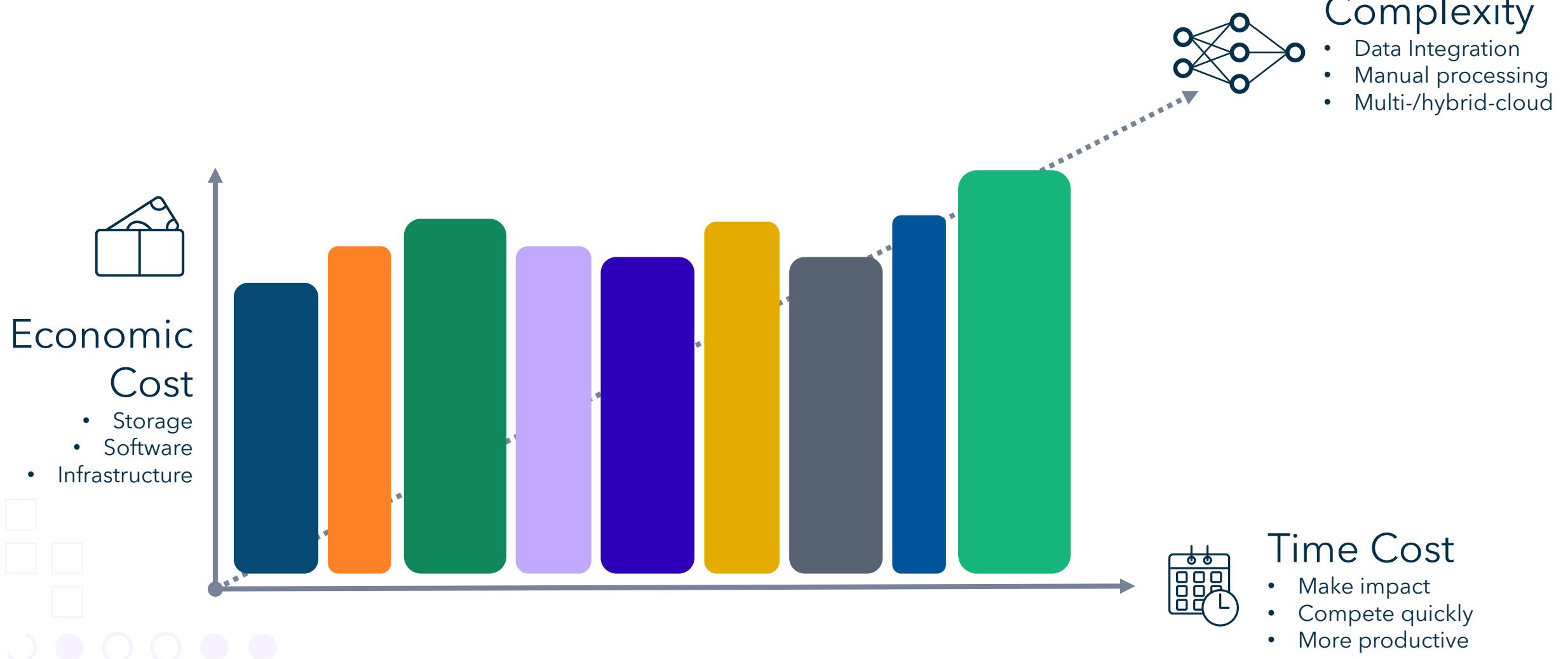
# SingleStore Distributed Architecture

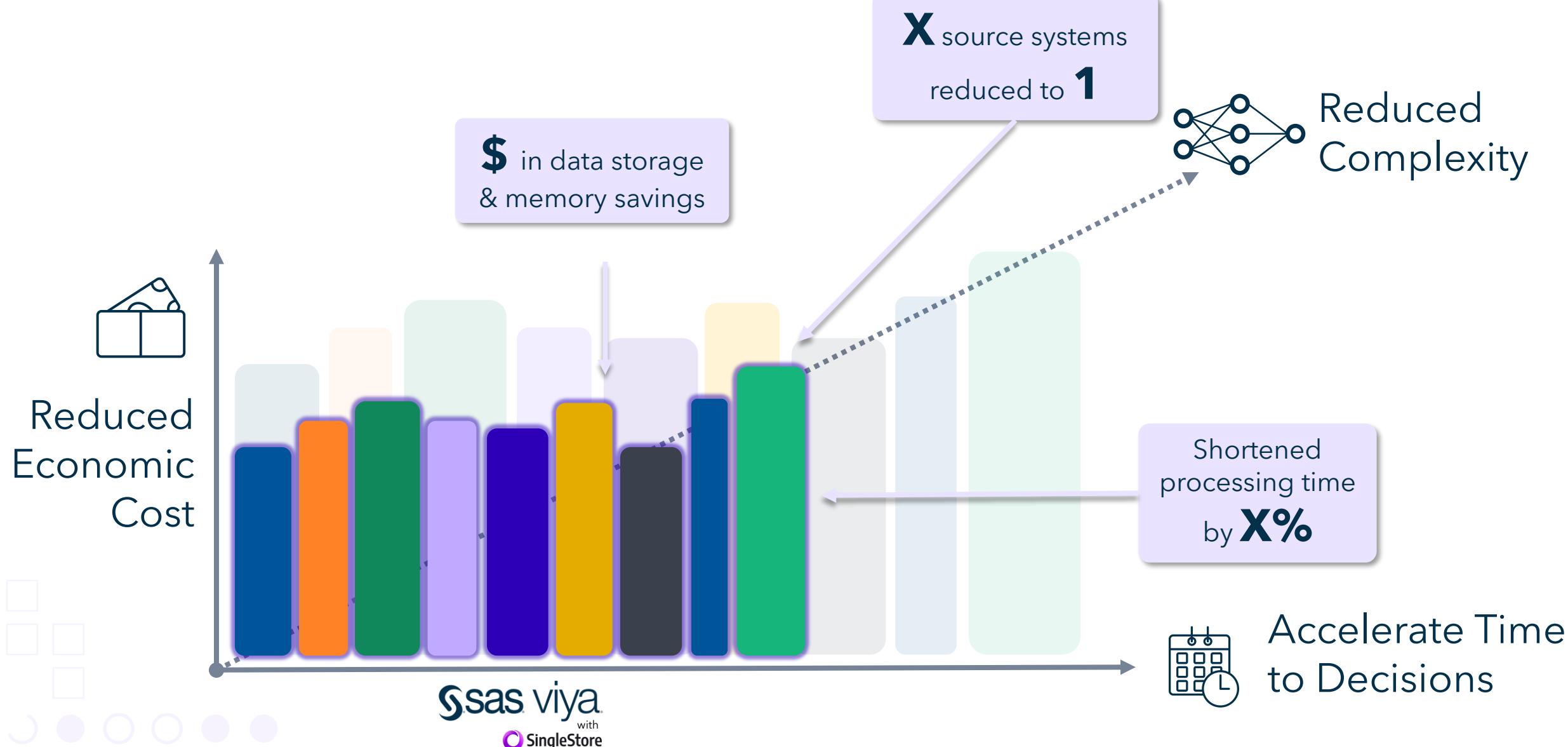


# Analytics Life Cycle



# Constraints





# Key Benefits



## Reduce Total Cost of Ownership

- Combine multiple data sources into a single database.
- High compression of data reduces overall infrastructure costs.
- Eliminate complex data management processes



## Scalability

- Scale database without compromising on performance.
- Support for high availability.



## Productivity

- Ultra-fast ingestion of any type of data
- High Concurrency, low latency queries
- Eliminate data movement
- Built-in encryption
- Easy access to clear data insights

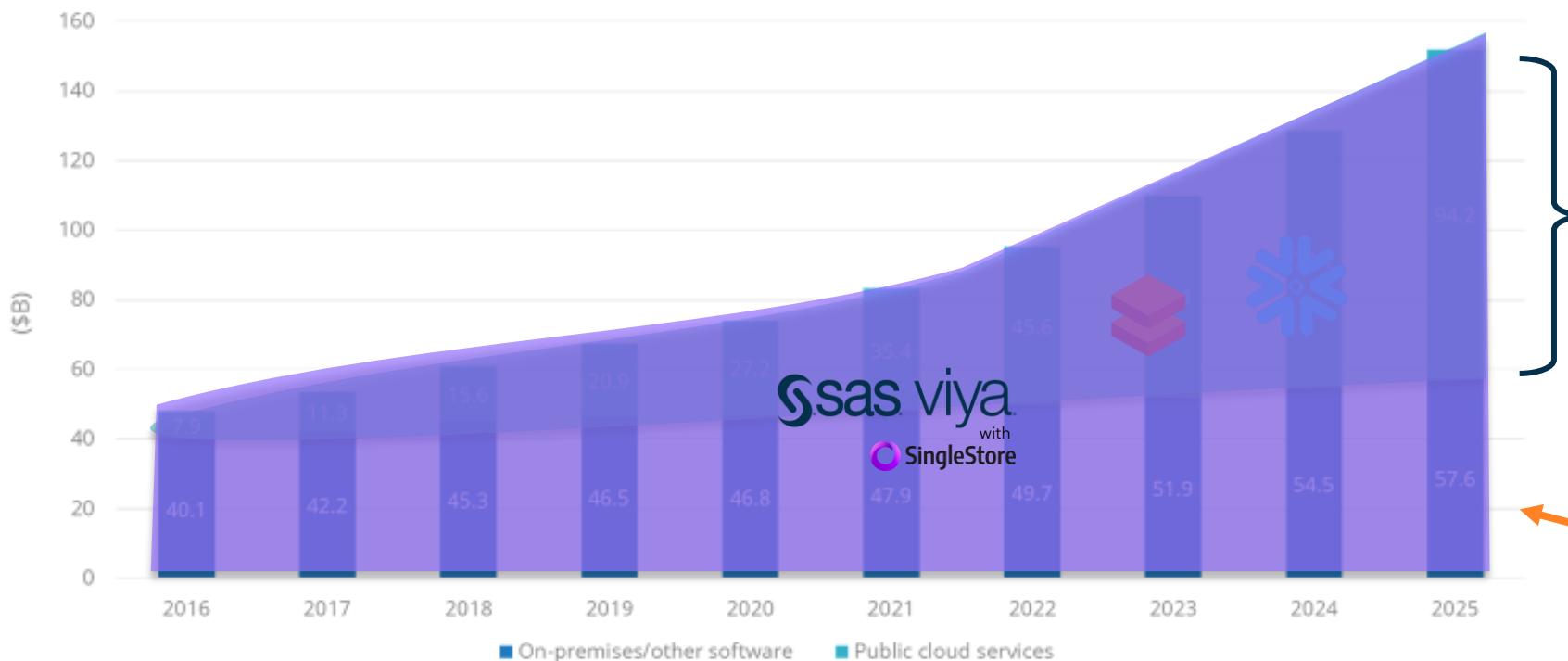


## Multi Cloud

- Modern cloud architecture
- Support the customer's cloud journey no matter where they are!
- Supports public cloud, hybrid cloud and on-premises deployments.

# Cloud is Growing Fast! But On-Prem is Not Going Away!

Worldwide Big Data and Analytics Software Market Size and Forecast by Deployment Type (2016-2025)



**"Everybody is moving to the cloud!"**

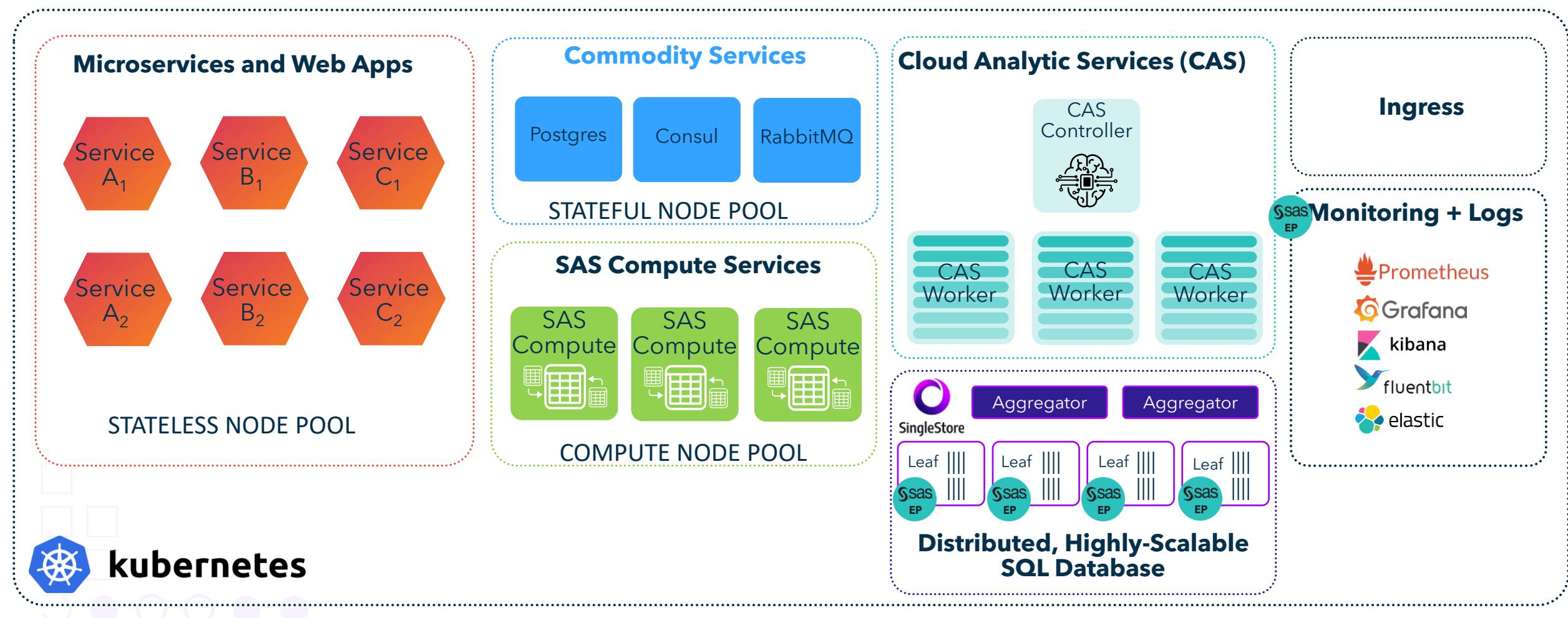
How to address the **other 38% of your data management and analytics on premises?**



Source: Worldwide Big Data and Analytics Software Forecast, 2021-2025 (IDC #US47402321, July 2021)

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# \$8M

saved on data storage

## PROBLEM

This bank wanted to modernize its grid workloads while managing the cost of storing and protecting massive volumes of data.

## SOLUTION

Migrating grid workloads to SAS Viya allowed them to continue benefiting from their SAS 9 investments while gaining improved performance and governance on Viya. SingleStore was used to compress and encrypt all the data, enabling the bank to **reduce storage infrastructure by 50%**.

# Large Multinational Bank

## Big data. Lighter footprint.



sas viya

# Confident decisions just got better.



Lower cost  
of analytic  
decisions

Manage data  
complexities at  
scale and  
improve  
productivity

Easy and  
simplified  
access to data  
and usage

Built from the  
ground-up for  
your cloud  
journey



# Thank You!

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