meshIQ®

Case Study: Cost Effective Kafka Distribution for Critical Applications

1 BACKGROUND

- Leading South Korean credit card company

- User financial integrated hub, real time digital marketing program and customer payment platform were expected to run on a Kafka supported microservices architecture and Kubernetes

- Lacked expertise in Kafka distribution and management

2 REQUIREMENTS

- Zero latency or downtime

- Extreme scalability, a reliable message queue, and distributed data streaming capabilities

- Minimal IT resource support for Kafka maintenance

- Comprehensive Kafka monitoring

3 CAPABILITIES

- End-to-end producer to consumer algorithmic latency monitoring

- Partition distribution monitoring among brokers

- Continuous cluster monitoring coupled with recommendations for partition balancing

4 FINAL OUTCOMES

50% **Lower Total Cost of Ownership**
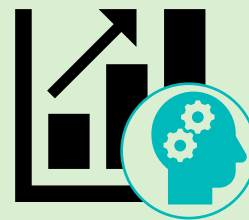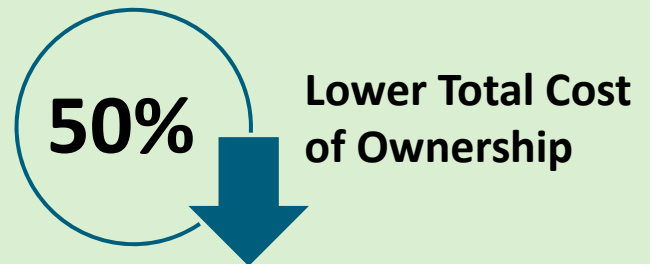
Increase Engineer Productivity From Simplified Kafka Usage

Less Resources to Design, Install & Operate Kafka