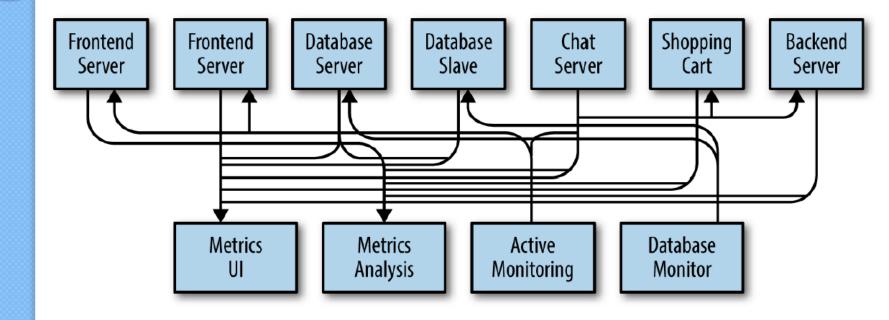
Apache Kafka



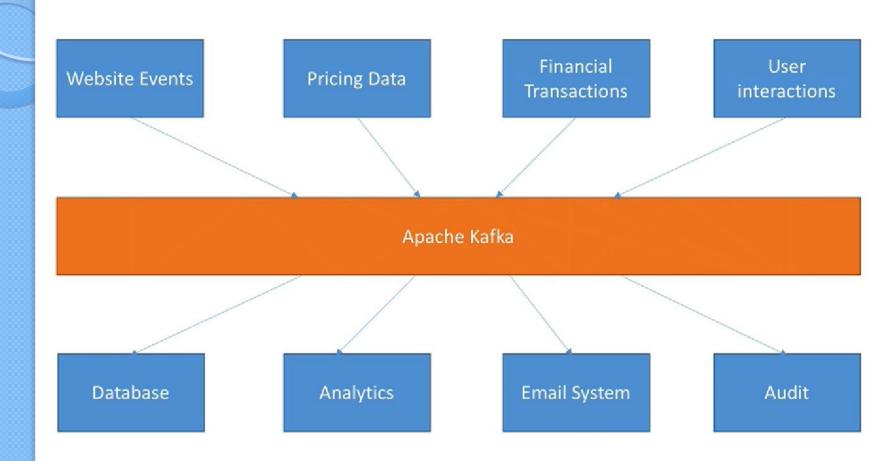
Publish/Subscribe Messaging

Current challenges in industry.











<mark>မှ</mark>င့် kafka

- Apache Kafka is an open source, distributed, and replicated commit-log-based publish-subscribe messaging system.
- Resilient architecture & fault tolerant
- Horizontal scalability
- High performance (latency of less than 10ms) –real time
- Used by 2000+ firms
 (LinkedIn, Netflix, Airbnb, Yahoo, Walmart, etc)



Why Kafka?

- Multiple Producers
- Multiple Consumers
- Disk-based Retention
- Scalable
- High performance



Core Concepts

- Messages and batches
- Topics and Partitions
- Brokers
- Topic replication factor
- Leader for partition



Producers and Consumers

- Producers
 - Write Acknowledgement
 - Message Keys
- Consumers
 - Consumer Groups
 - Consumer offsets

Role of Zookeeper

