

Venkat Krishnan

Technology Evangelist

A distributed publish-subscribe messaging system



Venkat Krishnan

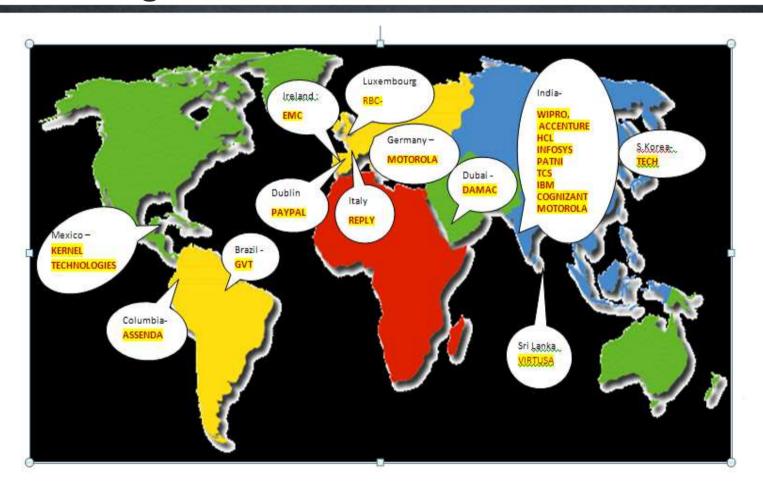
If you can read this, thank a Teacher Training is not filling a bucket, but lighting a fire

25 years into Specialized IT Training and Consulting

Have trained / mentored more than 10,000 participants on domains of Java, Spring-Hibernate, Android, and Big Data and always looking forward to share my knowledge in the IT domain

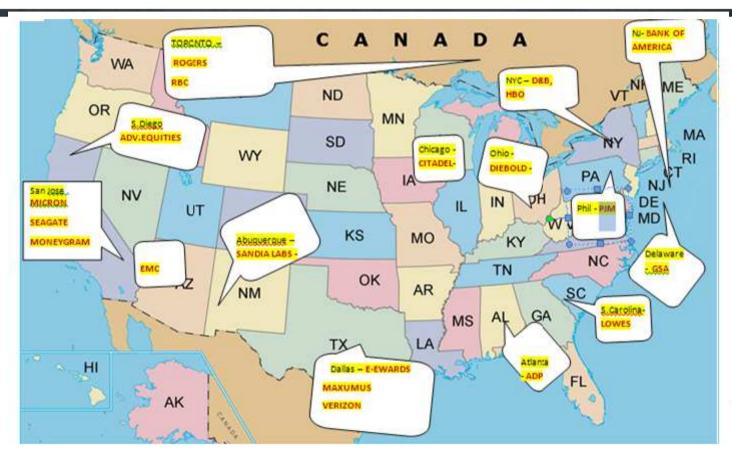
Mentoring the teams on the design, infrastructure, integration and production level aspects.

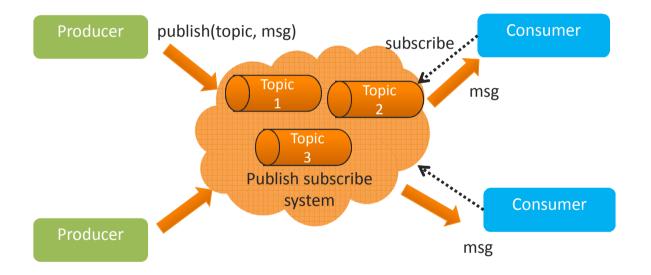
Training Clients – World Wide

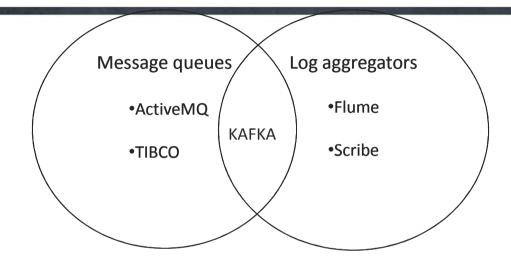


Training Clients - USA

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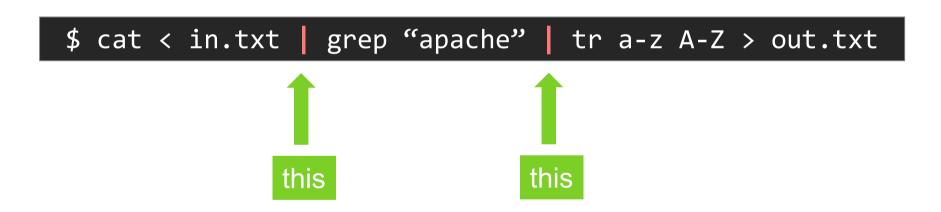




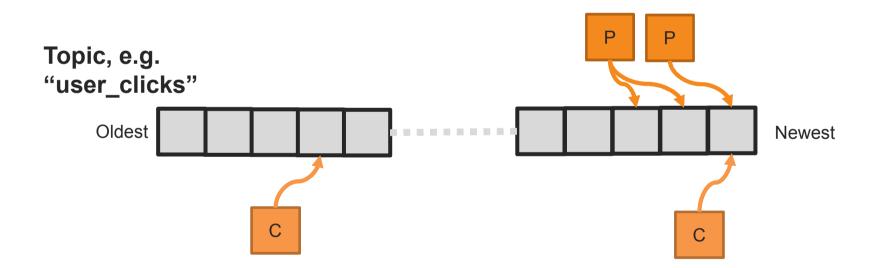
- Low throughput
- Secondary indexes
- •Tuned for low latency

- •Focus on HDFS
- Push model
- •No re-windable consumption

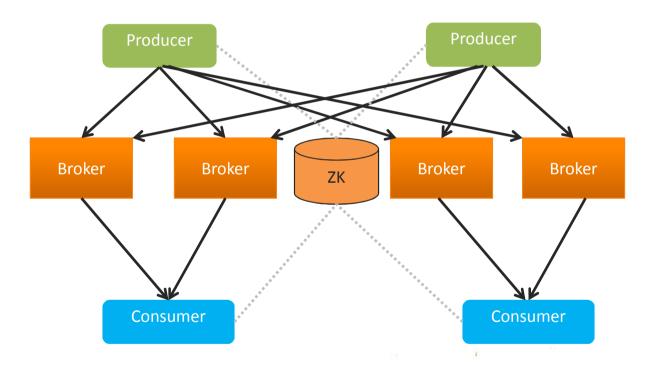
Apache Kafka is the distributed, durable equivalent of Unix pipes. Use it to connect and compose your large-scale data apps.

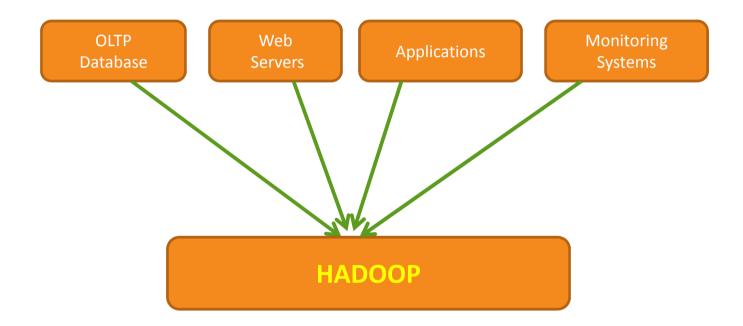


Apache Kafka is a publish-subscribe messaging rethought as a distributed commit log.

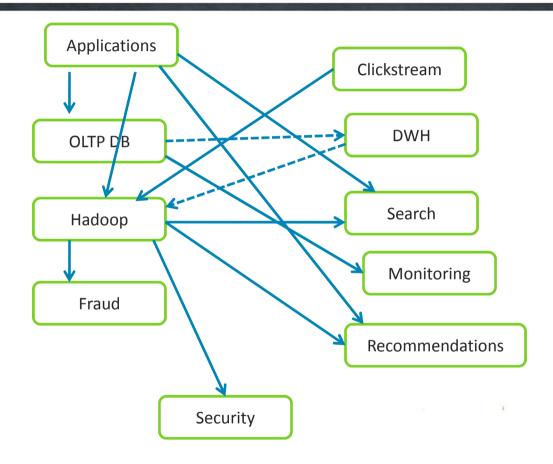


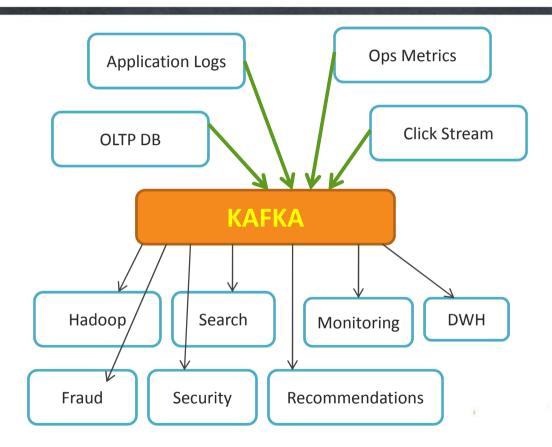
Architecture www.evenkat.com

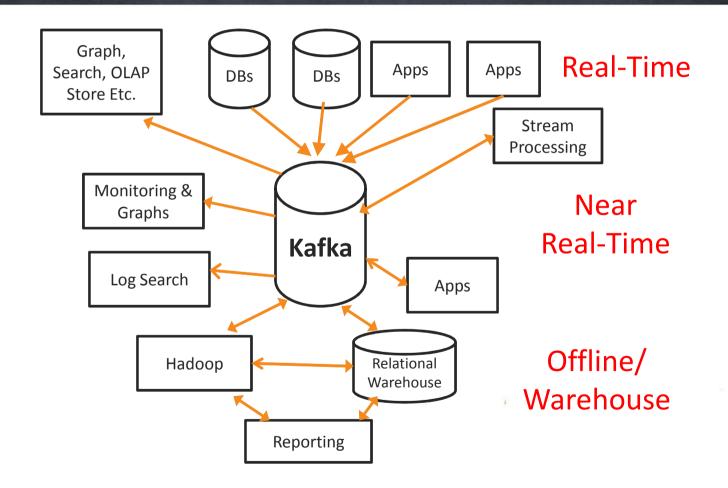




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- Each topic has an ever-growing log
- A log == a list of files
- A message is addressed by a log offset

Batch send and receive

No message caching in JVM

Rely on file system buffering

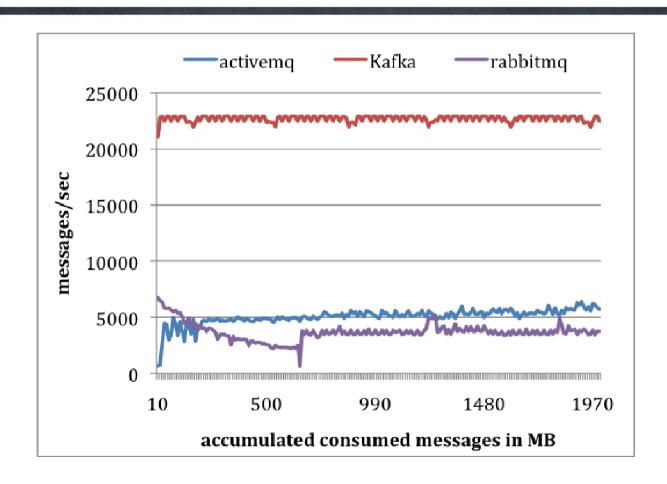
- 1 file system operation per request
- Consumption is cheap
- SLA based message retention
- Re-windable consumption

Guarantees www.evenkat.com

Data integrity checks

At least once delivery

In order delivery, per partition



Clarifications www.evenkat.com

Q & A..?