Connect, Manage and Monitor Apache Kafka on Heroku



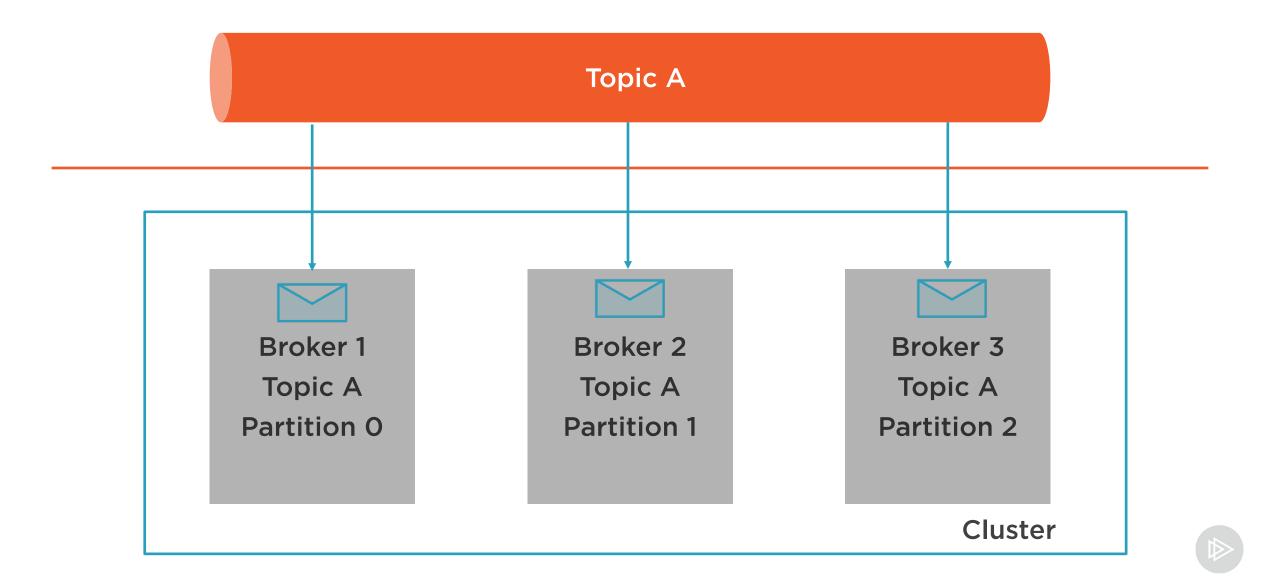
Saravanan Dhandapani SOFTWARE ARCHITECT @dsharu



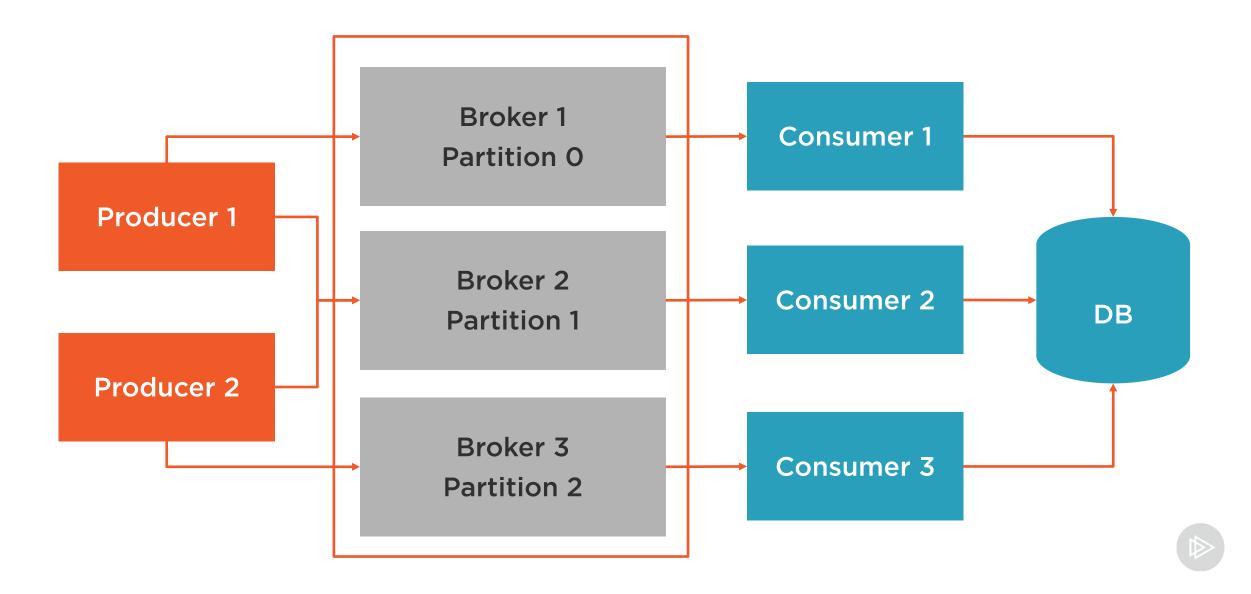
Kafka Partitions, Retention and Replication



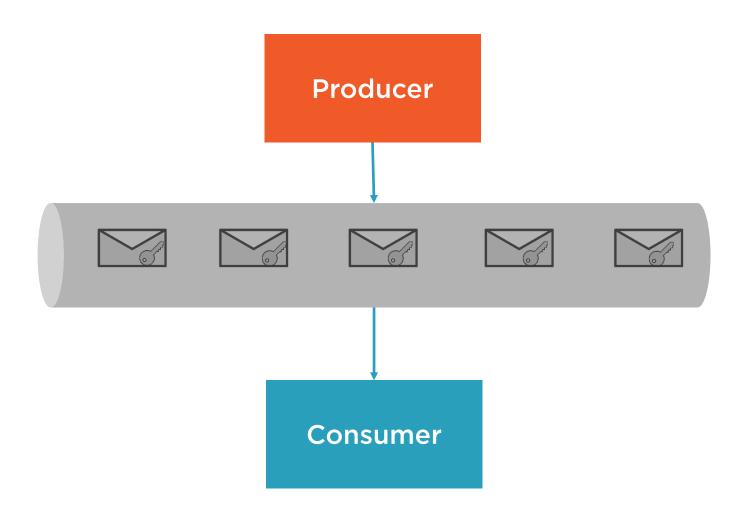
Kafka Partitions



Slow Consumers

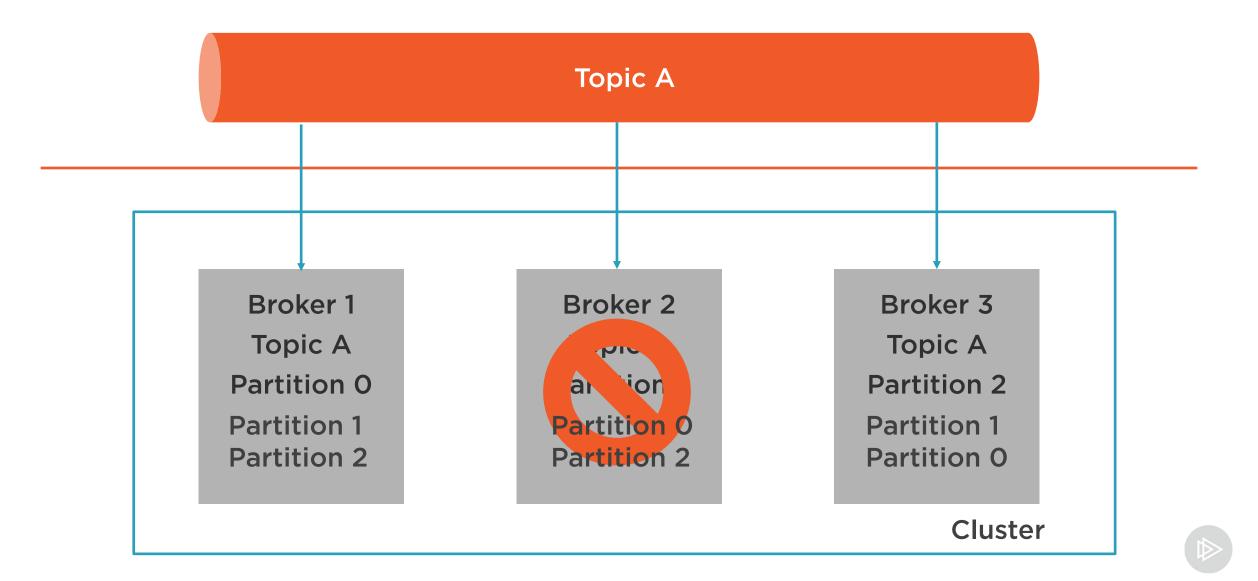


Message Ordering in Kafka





Replication



Producer Acks

Acknowledgement from broker not needed

Acks = 0

Acknowledgement only from the broker to which message was delivered

Acks = 1

Acknowledgement from all brokers

Acks = all



Retention Policy

Expired messages are removed from the partition

Time based retention

Latest message of a given key is retained

Log compaction



Log Compaction

K 1	K 2	K 3	K 2	K 3	K 3		
M 1	M	M	M 4	M	M 6		

Clone a GitHub Java Project



Compile, Provision and Deploy Java Application



Demo



Message sequencing



Summary



Cloned a java project

Installed Kafka addon, provisioned a topic and consumer group

Deployed the application on Heroku

Kafka partition, replication and retention

