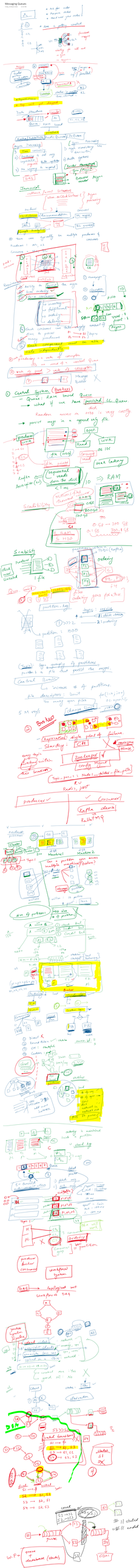
Messaging Queues

Tony Jiang Qiu


Kafka
Rabbit MQ
producer
consumer
Topic
partition
offset
Zookeeper
Broker
Leader
Follower
Consumer Group
Kafka Connect
Kafka Streams
Schema Registry
REST Proxy
Confluent Platform
Apache Kafka
Publish-Subscribe
Queue
Message Broker
Ordering
Scalability
Durability
Fault Tolerance
Hot Spots
Partition Key
Replication
Leader Election
Consumer Offsets
Exactly Once Semantics
Transactions
Idempotent Producer
Log Compaction
Retention
Zero Copy
Page Cache
Batching
Compression
Rebalancing
Dead Letter Queue
Monitoring
Security
Multi-Cluster
Mirror Maker
Cloud Native
Kubernetes
Operator
Schema Evolution
Backward Compatible
Forward Compatible
Full Compatible
Avro
Protobuf
JSON Schema
Pub/Sub
Google Cloud Pub/Sub
Amazon SQS
Amazon SNS
Amazon Kinesis
Azure Event Hub
Azure Service Bus
Redis Streams
NATS
Pulsar
Apache Pulsar
Bookkeeper
Tiered Storage
Geo-Replication
Multi-Tenancy
Functions
Connectors
Sink
Source
Dead Letter Queue
Poison Pill
Backpressure
Throughput
Latency
Exactly Once
At Least Once
At Most Once
Idempotent Producer
Transactional Producer
Consumer Group
Rebalancing
Stickiness
Cooperative Rebalancing
Static Membership
Log Compaction
Tombstone
Retention
Segment
Index
Page Cache
Zero Copy
Sendfile
Batching
Compression
Snappy
LZ4
Gzip
Zstd
Schema Registry
Avro
Protobuf
JSON Schema
Backward Compatible
Forward Compatible
Full Compatible
Transitive
Schema Evolution
Dead Letter Queue
Poison Pill
Retry Topic
Delay Topic
Exactly Once Semantics
Transactional Producer
Idempotent Producer
Transaction Coordinator
Producer ID
Sequence Number
Epoch
Consumer Offsets
Offset Commit
Auto Commit
Manual Commit