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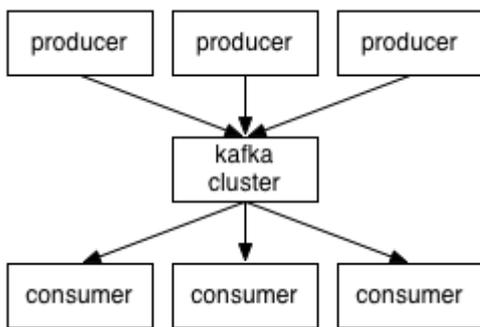
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Message Queue

: https://shortstories.gitbooks.io/studybook/content/message_queue_c815_b9ac.html

Apache Kafka

<http://kafka.apache.org/>



- pub-sub
- (RabbitMQ, ActiveMQ) 가

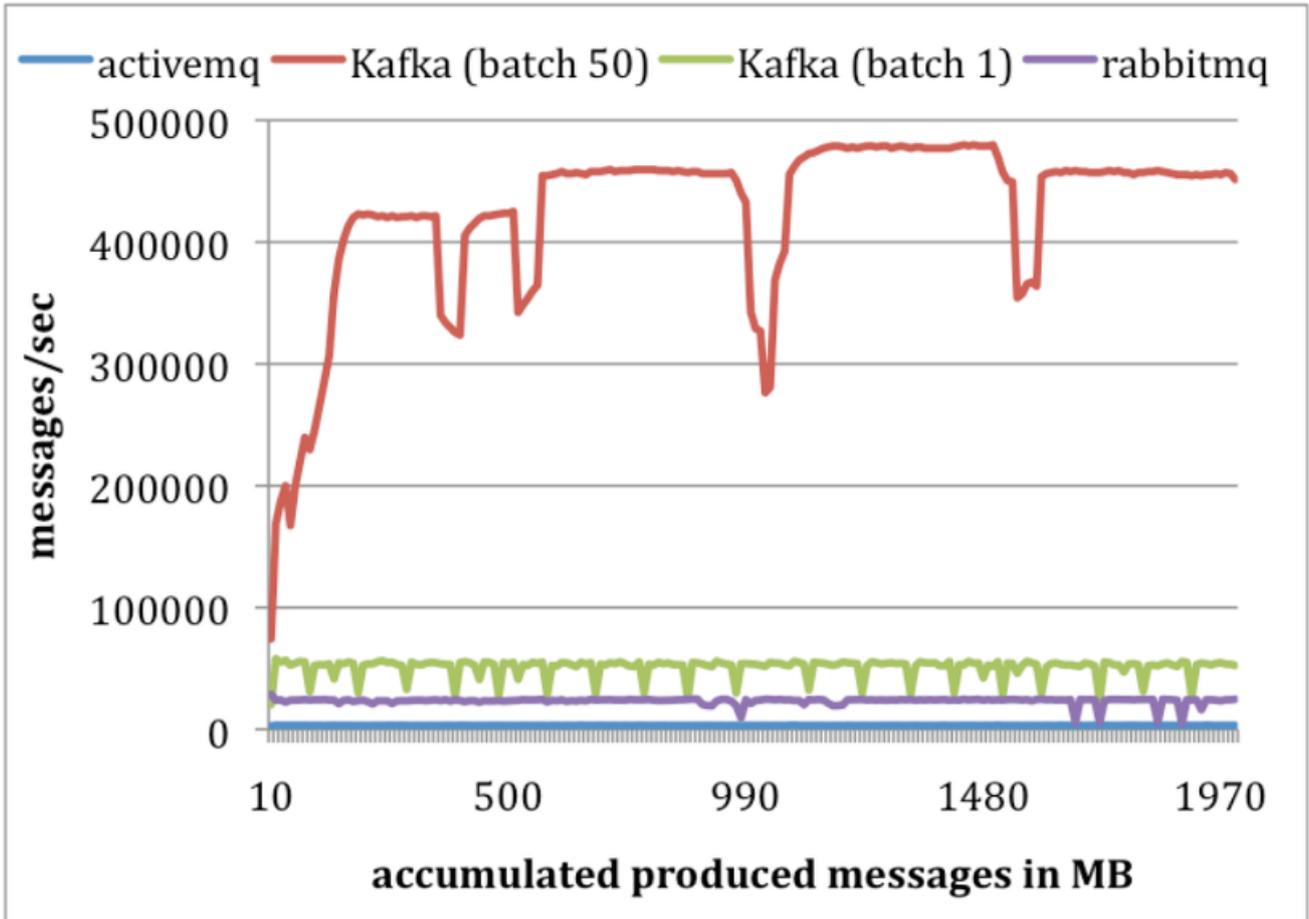


Figure 4. Producer Performance

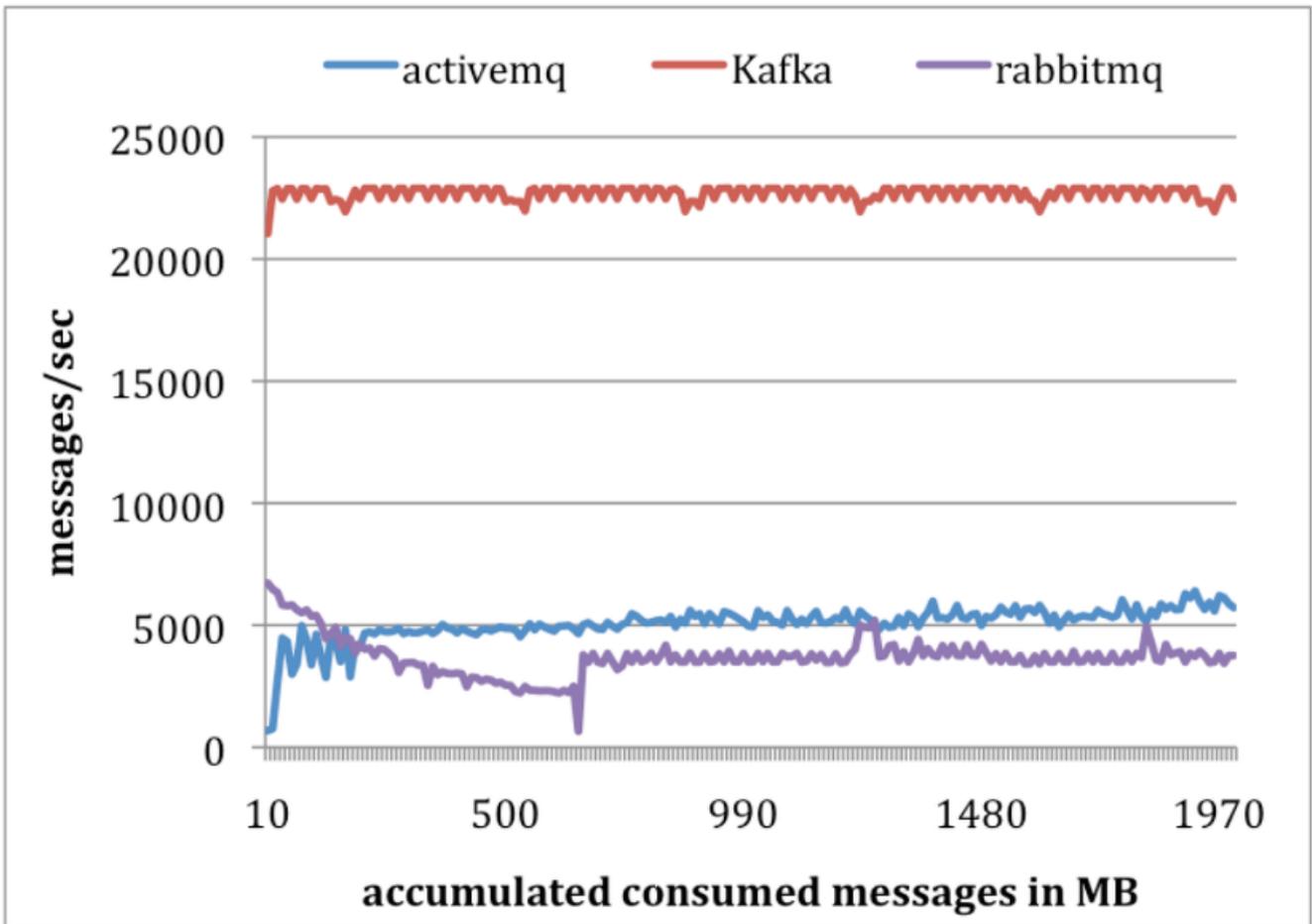
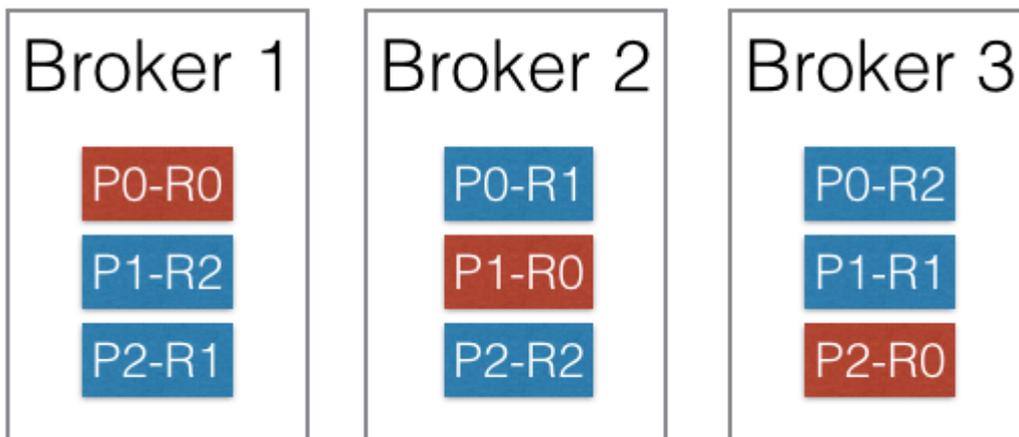
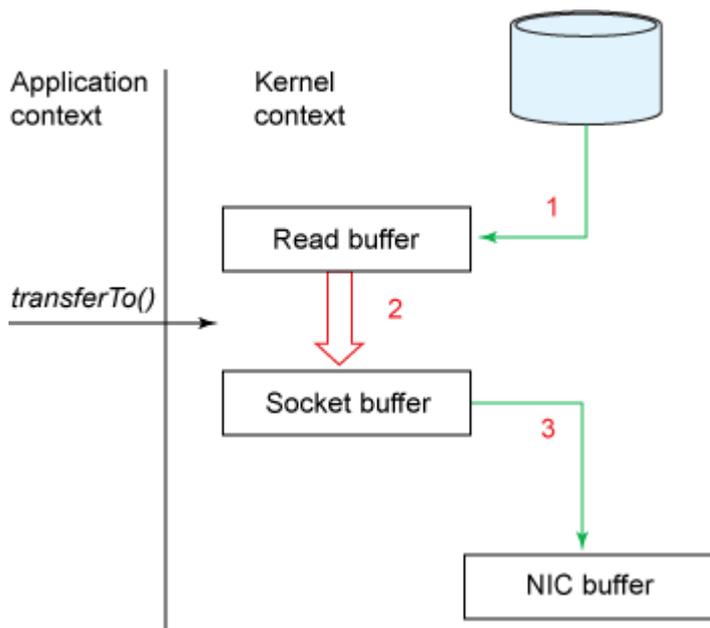


Figure 5. Consumer Performance

- broker



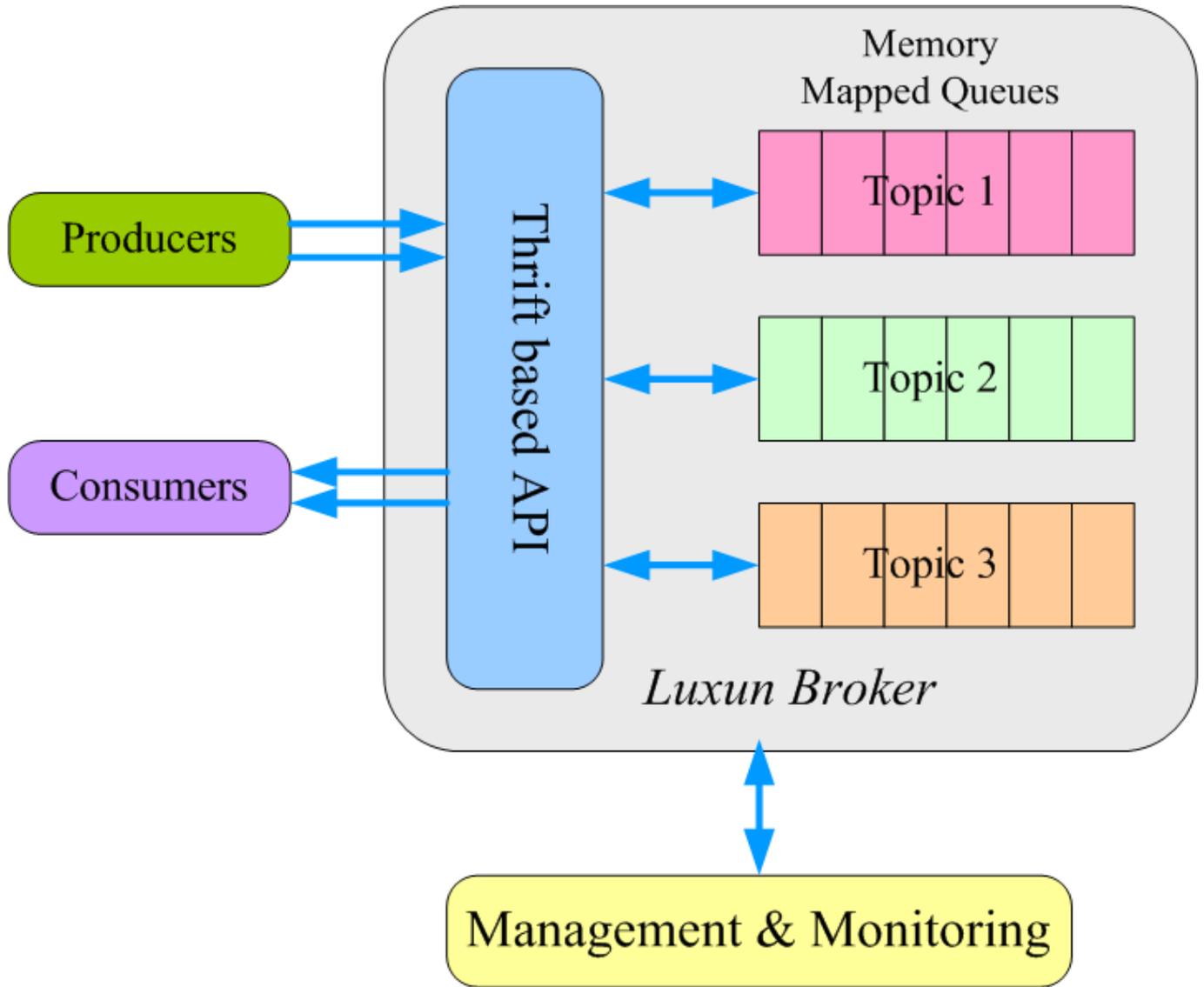
- TCP batch publish 가 TCP/IP 가 rewind
- OS 가 zero-copy



- broker가 push 가 consumer pull consume consumer

Luxun

<https://github.com/bulldog2011/luxun>



- Kafka
- BigQueue Memory mapped file . ()
- Communicaiton layer Thrift RPC

Amazon SQS

<http://aws.amazon.com/ko/documentation/sqs/>

- 256KB (Amazon S3)
- FIFO . (가)
- 가
- ACL 가 .

RabbitMQ

<http://www.rabbitmq.com/>

- AMQP(Advanced Message Queue Protocol) 0-9-1
- Mnesia
- 가 .
- Direct Exchange(Point to Point), Topic Exchange(Publish-Subscribe), Fanout Exchange(Multicast)
- 가 .
- 가 .

ZeroMQ

<http://zeromq.org/>

-
- , queue
- inproc, ipc, tcp, pgm, epgm 가 .
-
- 가 , , 가 .
- in-memory message buffer

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