

阿里巴巴井浦州

阿里巴巴共间性

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Apache Rocket Medital 101

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dongeforever@apache.org

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Safe Harbor Statement

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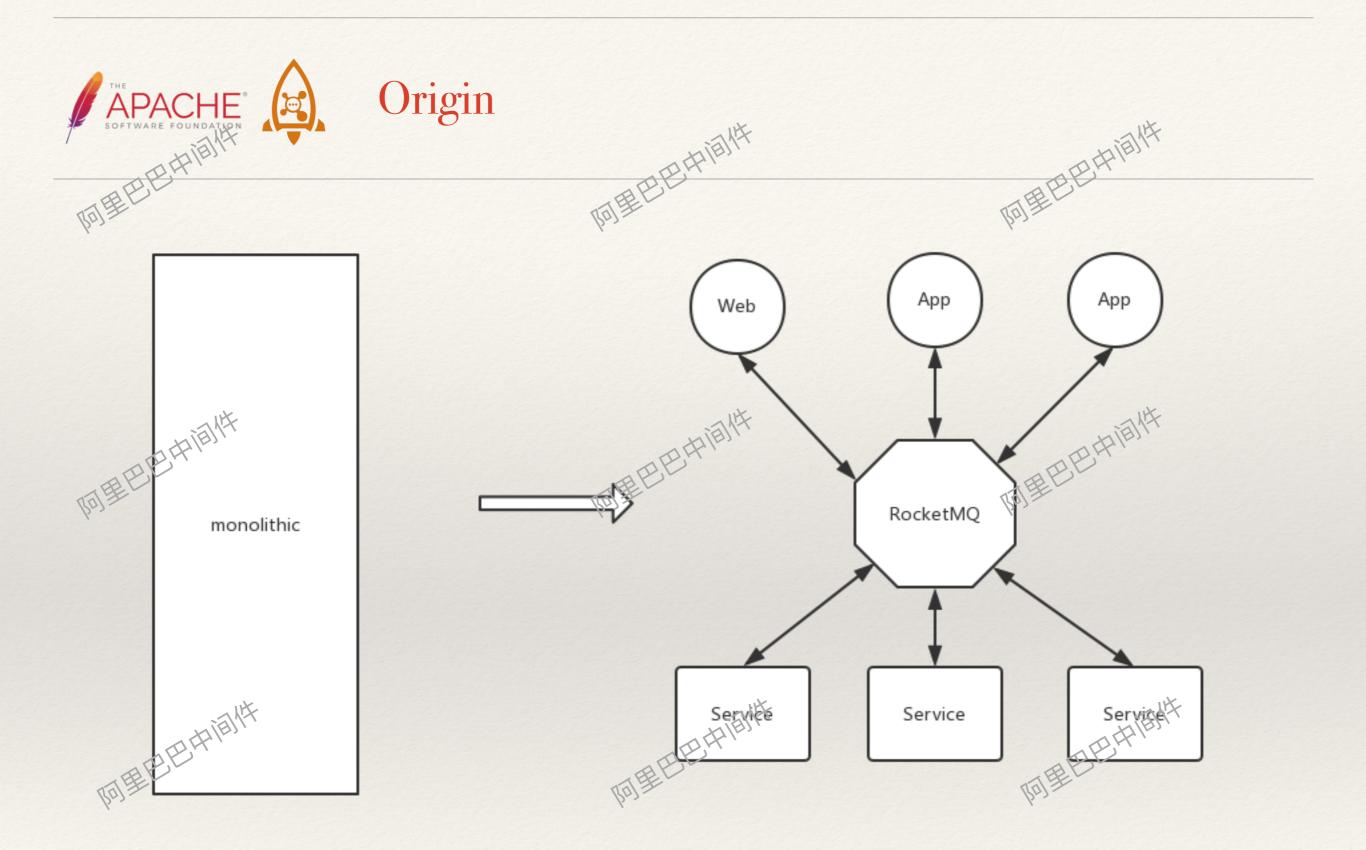
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周星巴巴巴州

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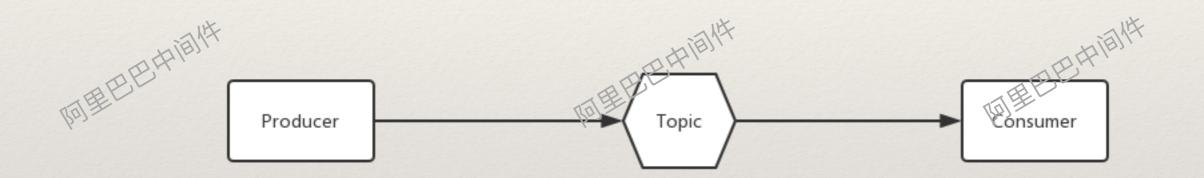
https://blog.iron.io/top-10-uses-for-message-queue/





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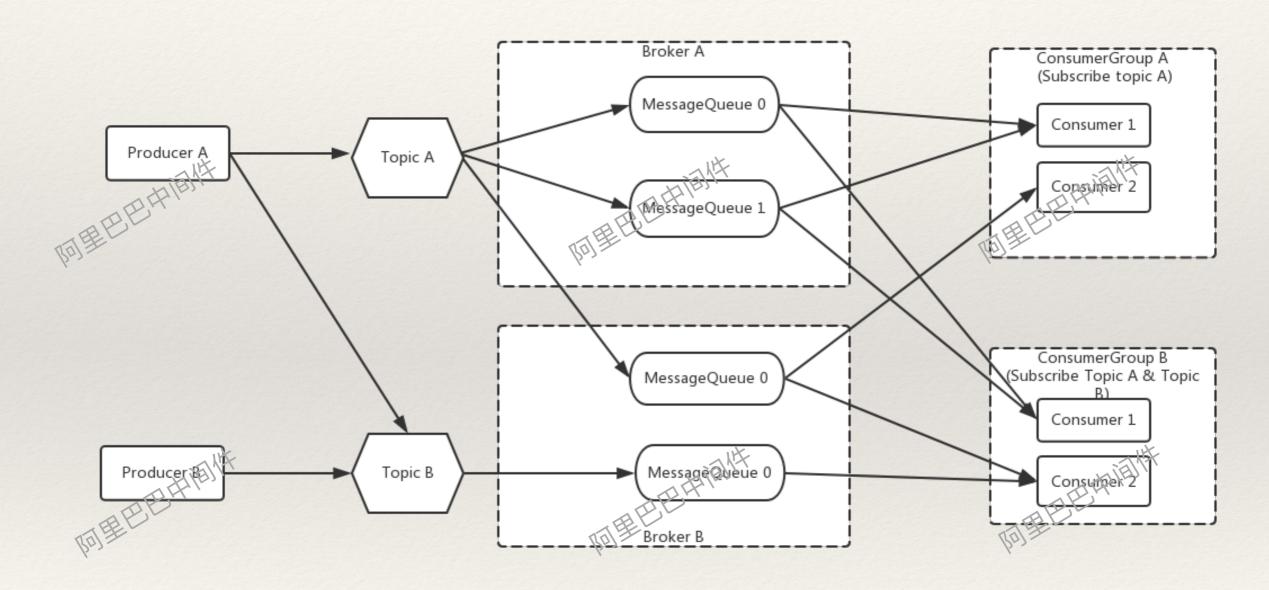


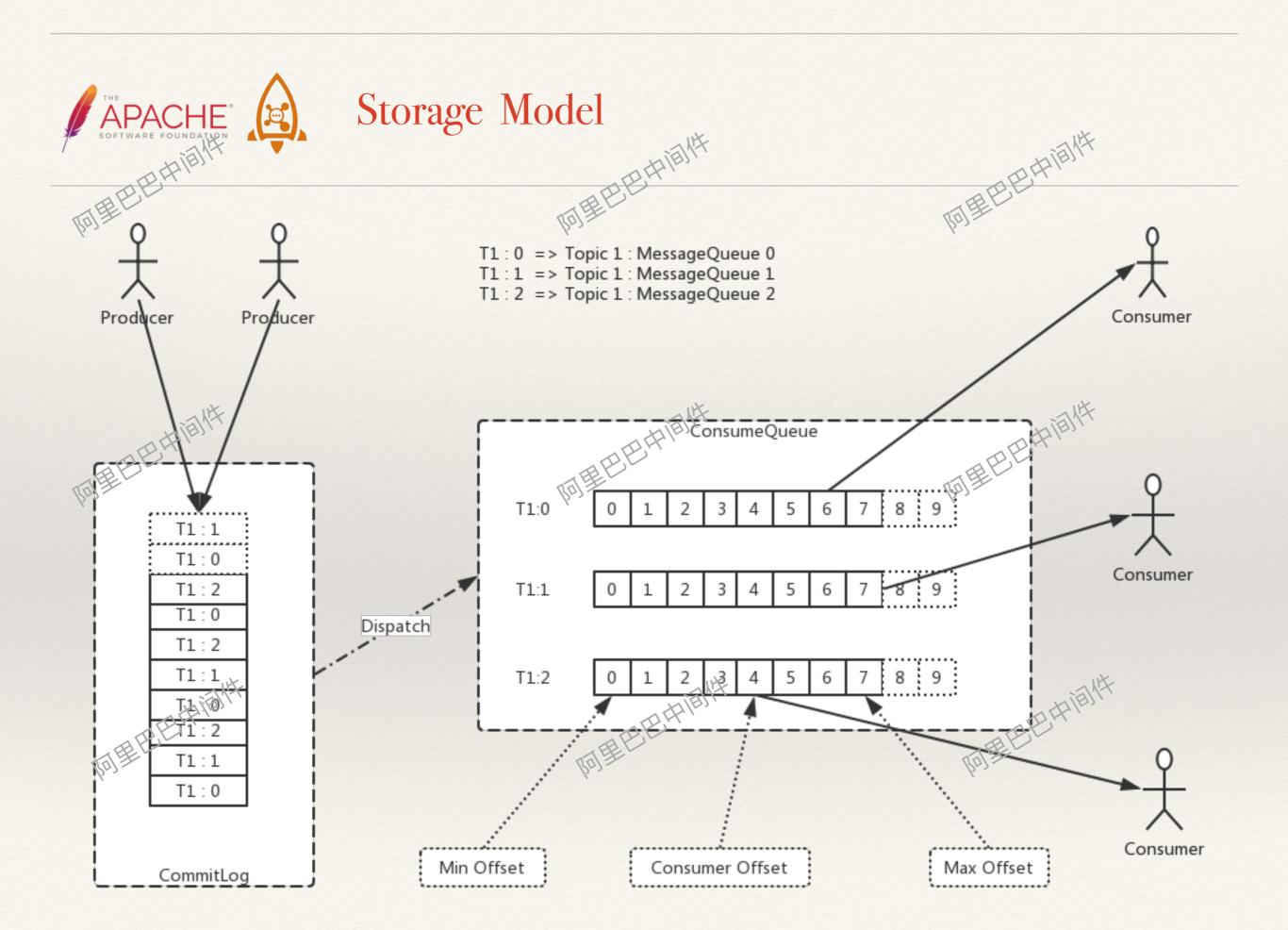


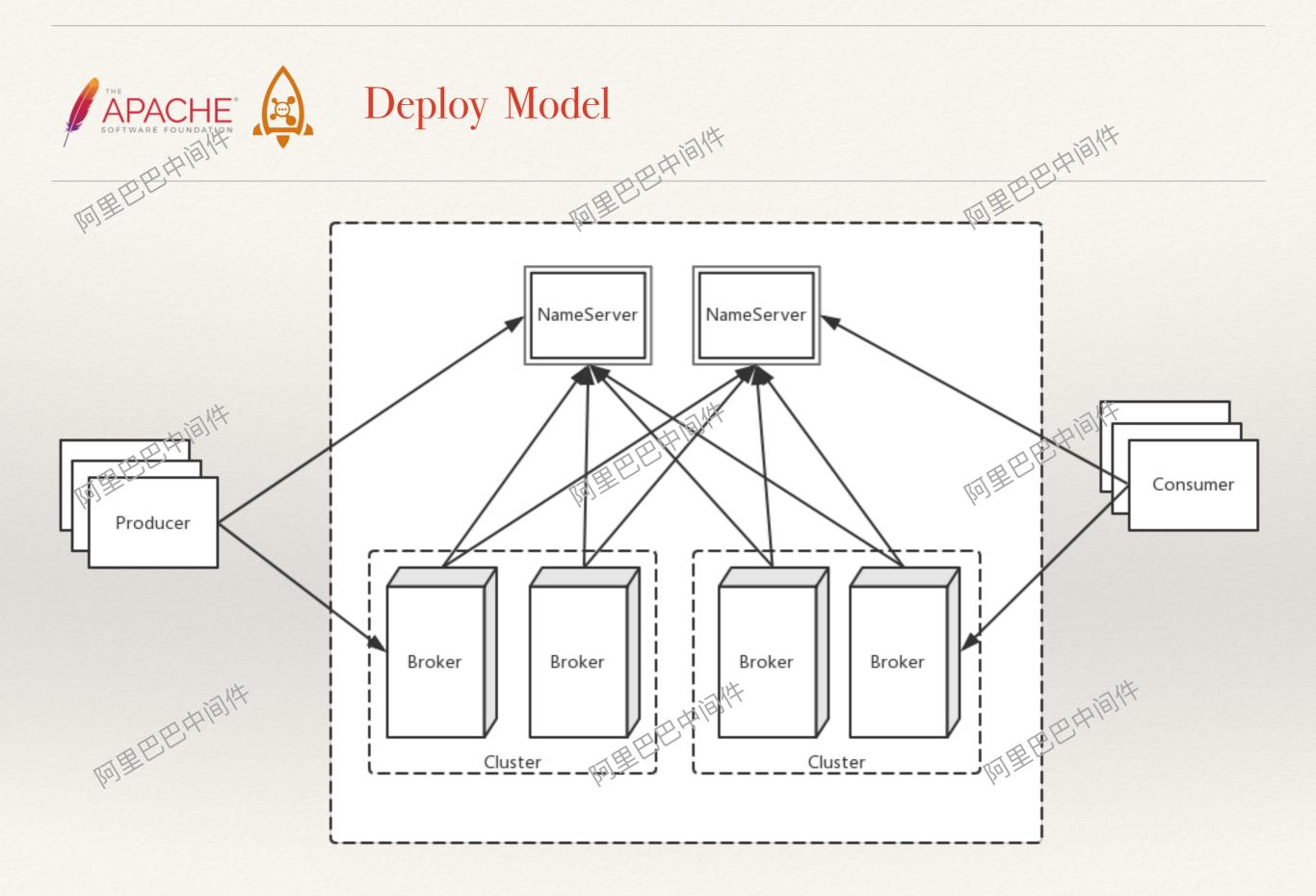
Conceptual Model

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Model Summary

- * Pub-Sub & Producer & Consumer Topic & MessageQueue

- CommitLog & ConsumeQueue & Offset
- Broker & Nameserver



Quick Start—Start Nameserver & Broker

Start Name Server

- > nohup sh bin/mqnamesrv &
- > tail -f ~/logs/rocketmqlogs/namesrv.log

The Name Server boot success...

</>

Start Broker

- > nohup sh bin/mqbroker -n localhost:9876 &
- > tail ** ~/logs/rocketmqlogs/broker.log

The broker[%s, 172.30.30.233:10911] book success...

https://rocketmq.apache.org/docs/quick-start/



Quick Start—Start Nameserver & Broker

liuzhenongdeMBP:rocketmq-4.3.1 liuzhendong\$ jps
46741 BrokerStartup
46220 NamesrvStartup
46782 ps

```
liuzhenongdeMBP:rocketmq-4.3.1 liuzhendong$ sh bin/mqadmin clusterList -n localhost:9876

Java HotSpot(TM) 64-Bit Server VM warning: ignoring option PermSize=128m; support was removed in Java HotSpot(TM) 64-Bit Server VM warning: ignoring option MaxPermSize=128m; support was removed #Cluster Name #Broker Name #BID #Addr #Version #ECWait(ms) #Hour #SPACE

DefaultCluster liuzhendongdeMacBook-Pro.local 0 10.173.158.165:10911 V4_3_0_$NAPSHOT,0ms) 426590.45 0.8139

liuzhenxogdeMBP:rocketmq-4.3.1 liuzhendong$

LiuzhenxogdeMBP:rocketmq-4.3.1 liuzhendong$
```



Quick Start—Send Message

liuzhenongdeMBP:rocketmq-4.3.1 liuzhendong\$ sh bin/mqadmin sendMessage -t test -k 123 -p "Hello" -n localhost:9876

Java HotSpot(TM) 64-Bit Server VM warning: ignoring option PermSize=128m; support was removed in 8.0

Java HotSpot(TM) 64-Bit Server VM warning: ignoring option MaxPermSize=128m; support was removed in 8.0

#Broker Name **#OID #Send** Result #MsqId

liuzhendongdeMacBook-Pro.local SEND_OK 0AAD9EA5B6C50D7163619F51E32D0000

liuzhenongdeMBPN ocketmq-4.3.1 liuzhendong\$ sh bin/mqadmin queryMsgByNkaqueKey -t test -i 0AAD9EA5B6C50D7163619E5NE32D0000 -n loca lhost:9876 (TM) 64-Bit Server VM warning: ignoring option PermEize=128m; support was removed in 8.0

Java HotSpot(TM) 64-Bit Server VM warning: ignoring option PermEize=128m; support was removed in 8.0

HotSpot(TM) 64-Bit Server VM warning: ignoring option PermEize=128m; support was removed in 8.0

test

Tags: [null] [123] Keys:

Oueue ID: Oueue Offset: CommitLog Offset: 450

Reconsume Times:

2018-08-31 22:29:03,917 Born Timestamp: Store Timestamp: 2018-08-31 22:29:03,924 10.173.158.165:61818 Born Host: 10.173.158.165:10911

{KEYS=123, UNIQ_KEY=0AAD9EA5B6C50D7163600F51E32D0000, WAIT=true}
/tmp/rocketmq/msgbodys/0AAD9EA5B6C50D7163619F51E32D0000



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liuzhenongdeMBP:rocketmq-4.3.1	liuzhendor	ng\$ sh bin/mqadmir	ı topicStatus -t test	-n localhost:9876
Java HotSpot(TM) 64-Bit Server	VM warning	: ignoring optior	n PermSize=128m; supp	ort was removed in 8.0
Java HotSpot(TM) 64-Bit Server	VM warning	: ignoring option	n MaxPermSize=128m; s	upport was removed in 8.0
#Broker Name	#QID #	Min Offset	#Max Offset	#Last Updated
liuzhendongdeMacBook-Pro.local	0 0)	1160	a lite
liuzhendong (Alackar Pro.local	1 0	ر (वांह्ये १२	2018-08-30 12:07:18,628
liuzhendongdeMacBook-Pro.local	2 0	阿里巴巴拉	X' 0	2018-08-30 超207:18,628
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WuzhendongdeMacBook-Pro.local	4 0	Rojs	1	2018-08-31 22:29:03,924
liuzhendongdeMacBook-Pro.local	5 0)	0	
liuzhendongdeMacBook-Pro.local	6 0)	0	
liuzhendongdeMacBook-Pro.local	7 0)	1	2018-08-30 12:07:25,779
liuzhenongdeMBP:rocketmq-4.3.1	liuzhendor	ng\$		

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Quick Start—Consume

public static void main(String[] args) throws InterruptedException, MQClientException { // Instantiate with specified consumer group name. DefaultMQPushConsumer consumer = new DefaultMQPushConsumer(consumerGroup: "CID-test"); // Specify name server addresses. consumer.setNamesrvAddr("localhost:9876"); // Subscribe one more more topics to consume. // Register callback to execute on arrival of messages fetched from brokers.

MessageListener(new MessageListenerConcurrently() { @Override public ConsumeConcurrentlyStatus consumeMessage(List<MessageExt> msgs, ConsumeConcurrentlyContext context) { System.out.printf("%s Receive New Messages: %s %n", Thread.currentThread().getName(), msgs); return ConsumeConcurrentlyStatus.CONSUME_SUCCESS; }); //Launch the consumer instance. m.out.printf("Consumer Started.%n");



Quick Start——Query ConsumerProgress

,	liuzhendong\$ sh bin/mqadmi\ Consumer	•			
	VM warning: ignoring option PermSize				
	VM warning: ignoring option MaxPermS #Broker Name				#Cliant ID
#Topic #Diff	#LastTime	#QTD	#Broker Offset	#Consumer Offset	#Client IP
#DITT KRETRY%CID-test	liuzhendongdeMacBook-Pro.local	0	0	0	N/A
	N/A	V	V	V	N/ A
test	liuzhendongdeMacBook-Pro.local	0	0	0	N/A
0	N/A	V	O		
test test test	liuzhendonadeMacBook-Pro.local	1 ~ 15		2 原理是共海域	Ķ N∕A
0 村道外	2018-08-30 12:07:18	村间门	\ -	一口间	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
test (F)	liuzhendongdeMacBook-Pro.local 2018-08-30 12:07:18 liuzhendongdeMacBook-Pro.local N/A liuzhendongdeMacBook-Pro.local	72.	0	O TEN	N/A
AR CO	N/A			不是比	
teld 1	liuzhendongdeMacBook-Pr	3	0	0 Rols	N/A
· 0	N/A				
test	liuzhendongdeMacBook-Pro.local	4	1	1	N/A
0	2018-08-31 22:29:03				
test	liuzhendongdeMacBook-Pro.local	5	0	0	N/A
	N/A				
test	liuzhendongdeMacBook-Pro.local	6	0	0	N/A
	N/A	_	•		
test	liuzhendongdeMacBook-Pro.local	7	1	1	N/A
0 温性	2018-08-30 12:07:25	्रंदि	1/2		3/17
0 Consume TPS(1) Diff Teagle 0		OHIL		THIN THE	
Diff Tash	2018-08-30 12:07:25			阿里巴巴村	
	10/				





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* Start Nameserver & Broker Broker

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- Send Message & Query Topic Status
- Consume Message & Query Consumer Progress

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Flood Peak

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阿里巴巴共海洋

Double Eleven Festival

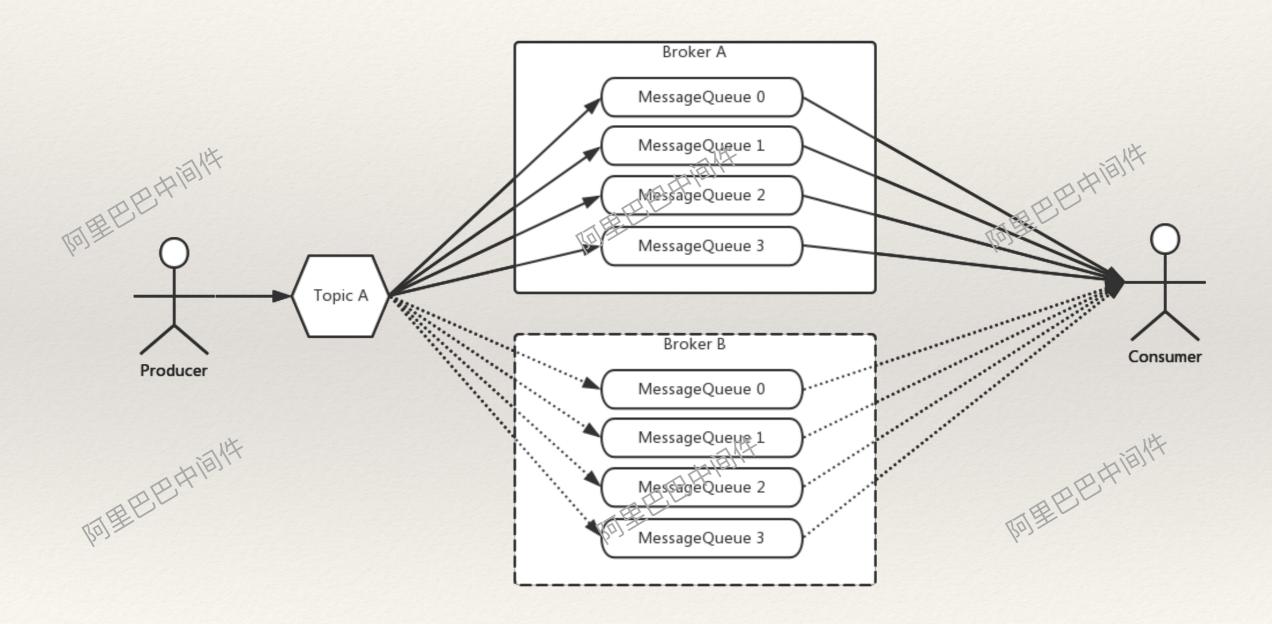
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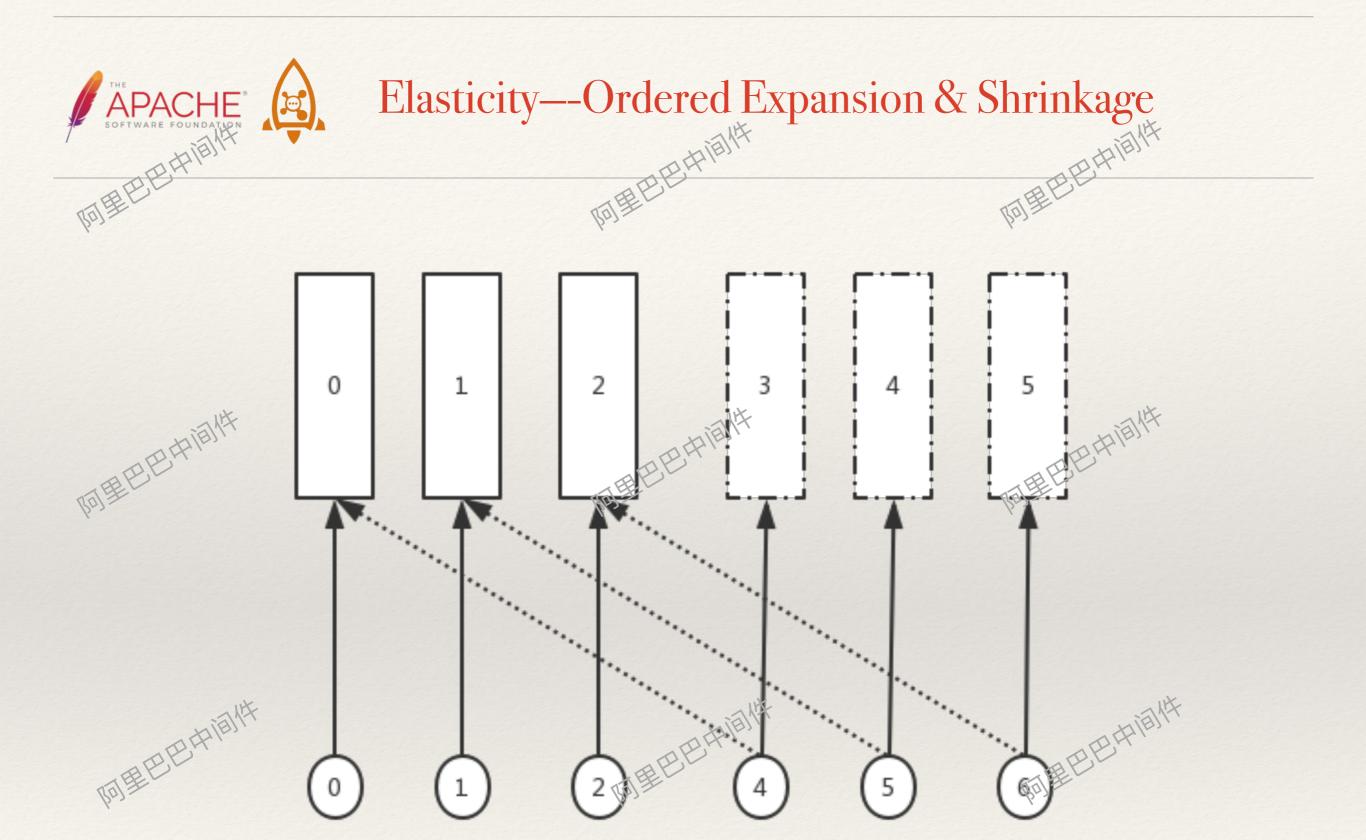
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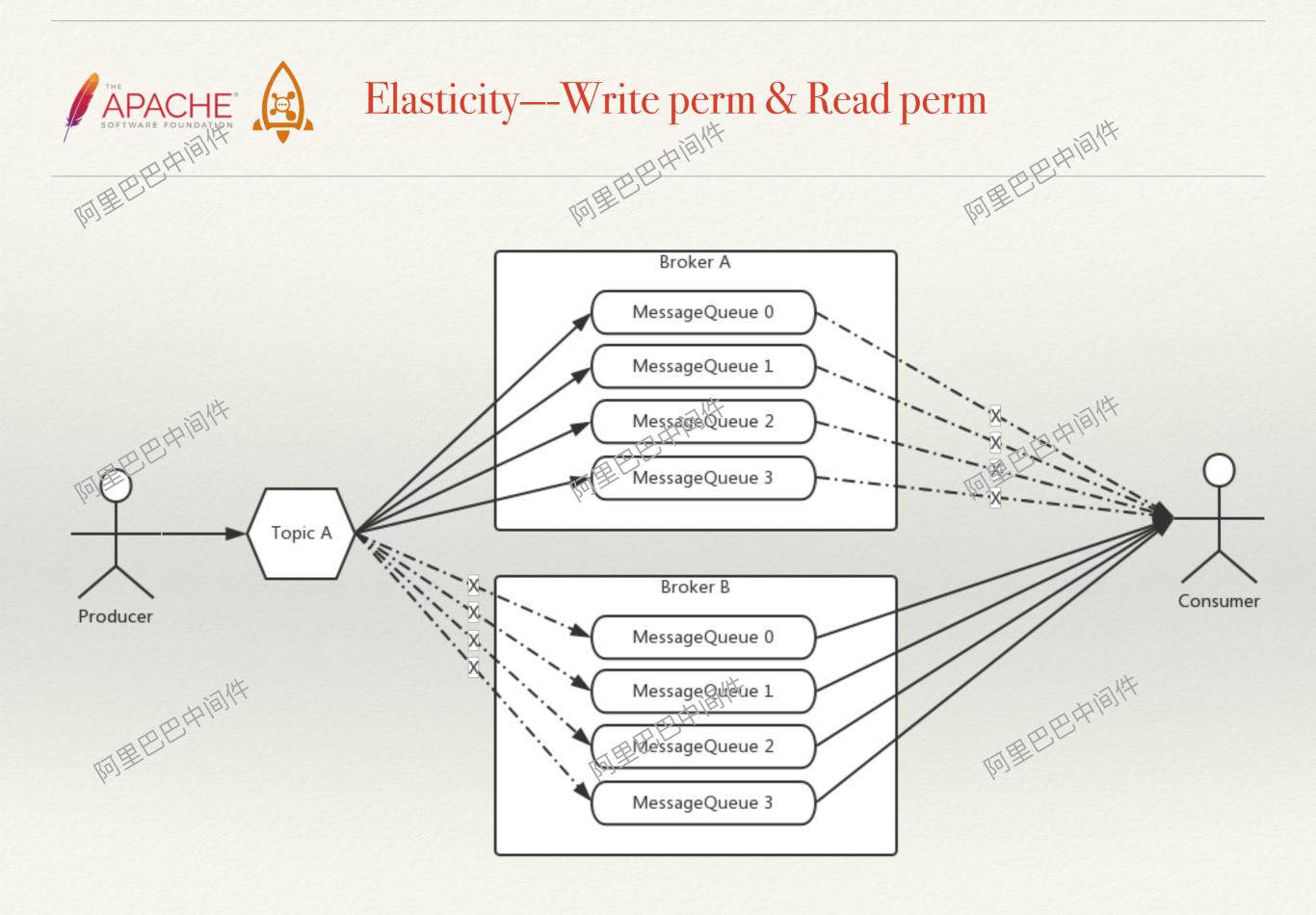
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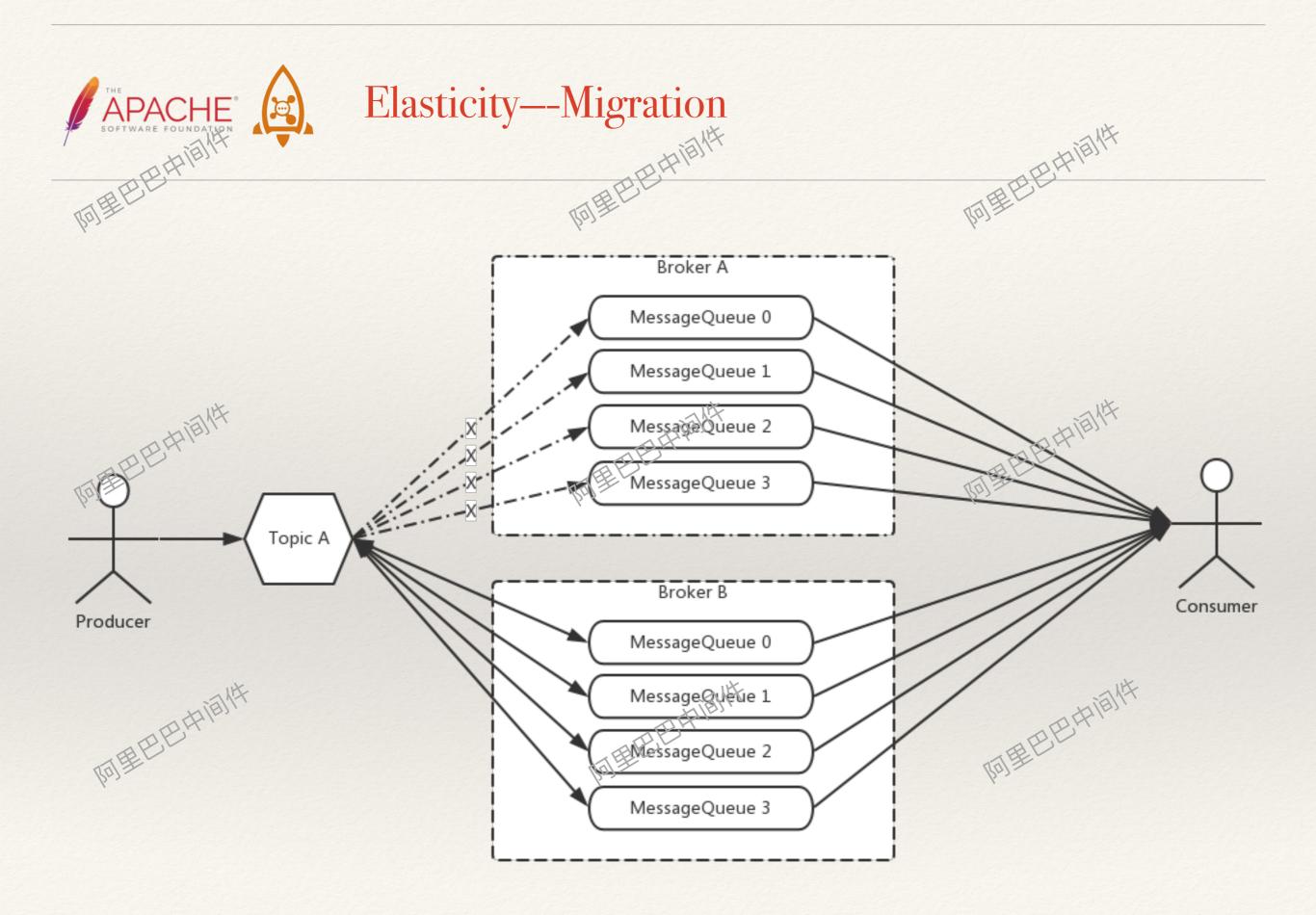


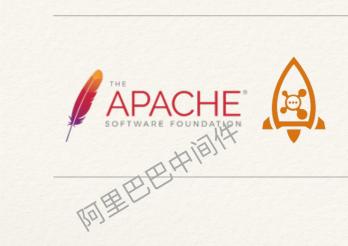
Elasticity—Infinite Expansion & Shrinkage











Elasticity—Cloud Native

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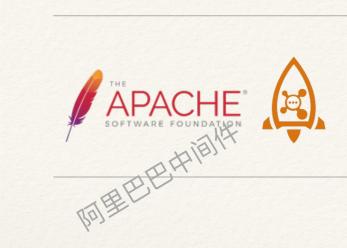
* Elasticity

如星思思中间外

- Dynamic or Mixed Cloud
- Observability
- * Operability

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- High Performance
- Low Latency
- * Order Congestion
- Schedule
- Batch
- * Filter
 - Transaction



阿里巴巴丹浦利

- * Origin
- * Model
 - Quick Start
 - Elasticity & Cloud Native
- * Features

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