RocketMQ

v3.1.1

2014/6/3

文档变更历史

序号	主要更改内容	更改人	更改时间
1	建立初始版本	誓嘉	2013/5/18
		vintage.wang@gmail.com	
2	3.0版本补充文档	誓 嘉	2013/8/16
		vintage.wang@gmail.com	
3	补充与规范区别	誓嘉	2014/1/4
		vintage.wang@gmail.com	
4			
5			
6			
7			

5 RocketMQ Overview





1

2

rn rn uv M M

r n M

pxr M M

M

■ q pr M

■ P r M

■ uMP rM

■ yyMP1 rM

■ q pr M M

■ P rM M

O xr M

■ M

■ M

■ M

■ M

■ M

		M	
4.1 Publish/Subscrib	e		
4.2 Message Priority			

4.3 Message Order		
4.4 Message Filter		
4.5 Message Persistence		

4.6 Massaga Daliahlity		
4.6 Message Reliablity		
4.7 Low Latency Messaging		
, ,		

4.8 At least Once

4.9 Exactly Only Once

4.10 Broker Buffer

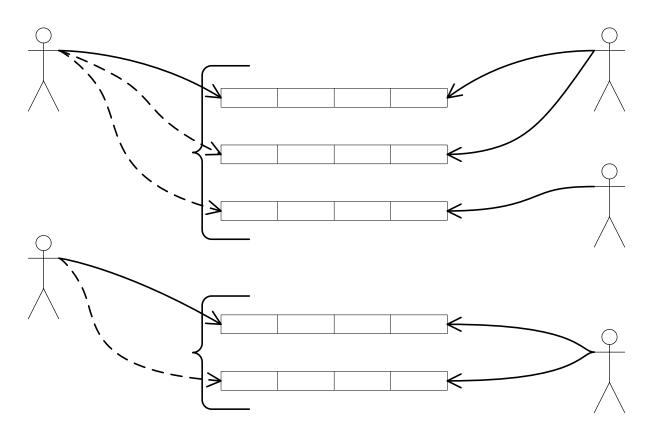
N qr Svs qr vs qr vv qr Qr nqyv r qr

4.11

4.14

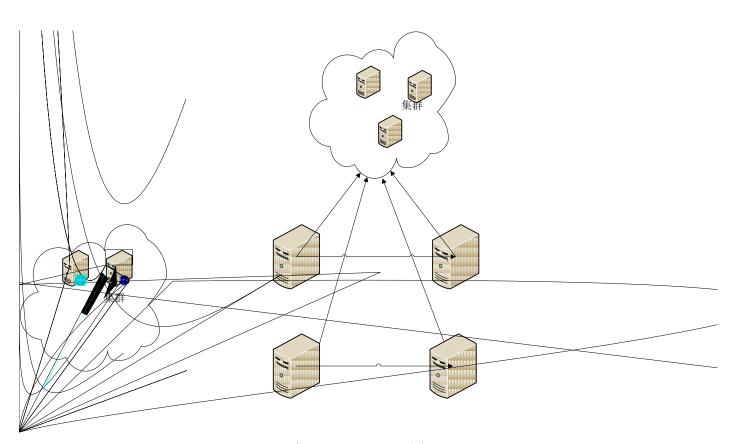
5 RocketMQ Overview

5.1 RocketMQ



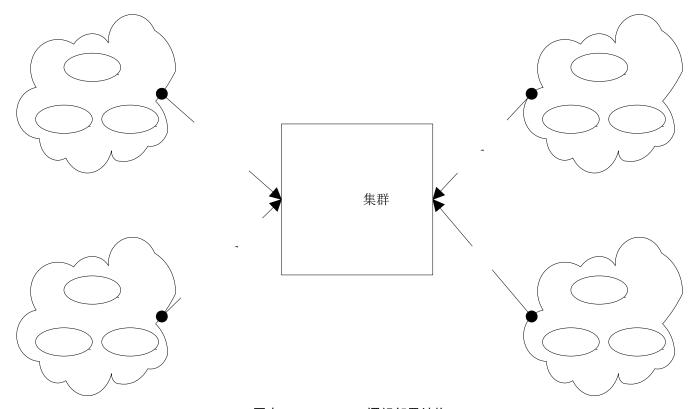
图表 5-1 RocketMQ 是什么

5.2 RocketMQ



图表 5-2RocketMQ 网络部署图

5.3 RocketMQ

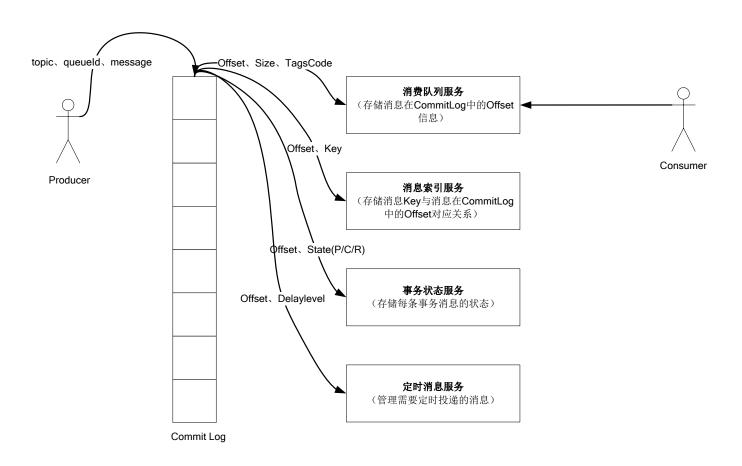


图表 5-3RocketMQ 逻辑部署结构

pxr M

http://blog.donghao.org/2013/03/20/%E4%BF%AE%E5%A4%8Dext4%E6%97%A5%E5%BF%97%EF%BC

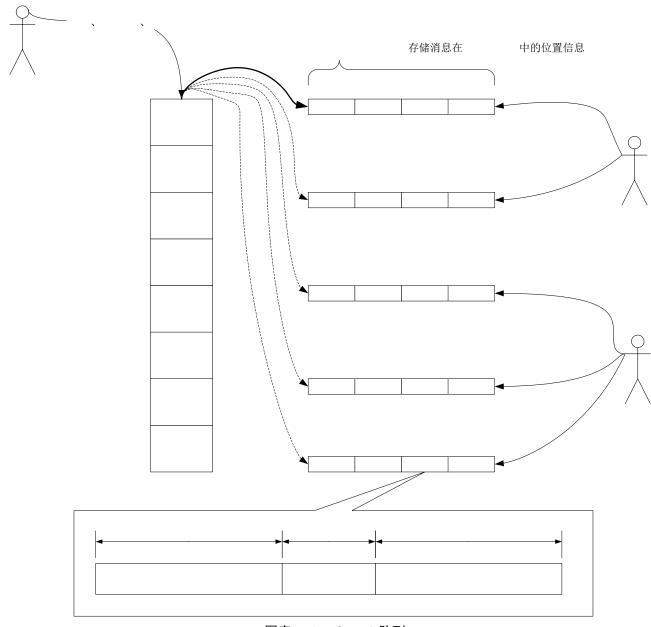
%88jbd2%EF%BC%89bug/



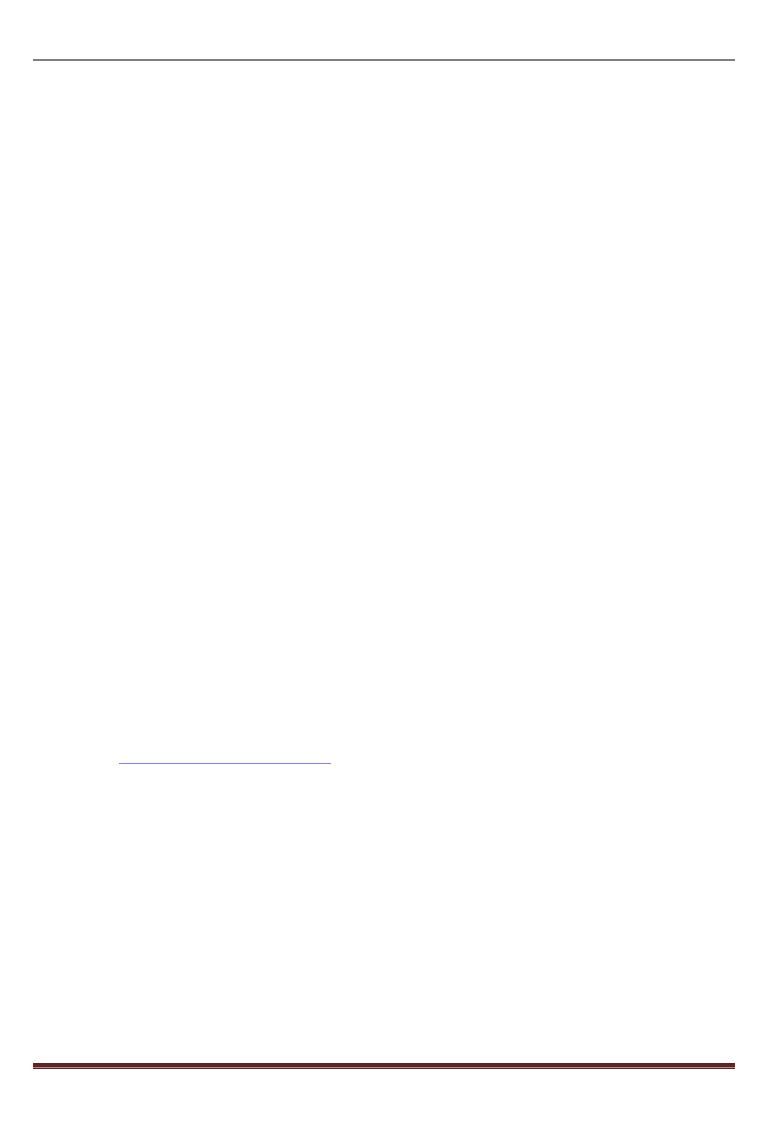
6.4		

pxr M

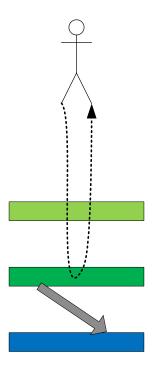
7.1 1

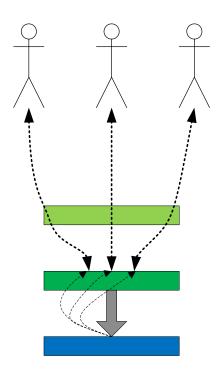


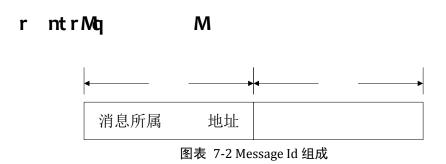
图表 7-1RocketMQ 队列



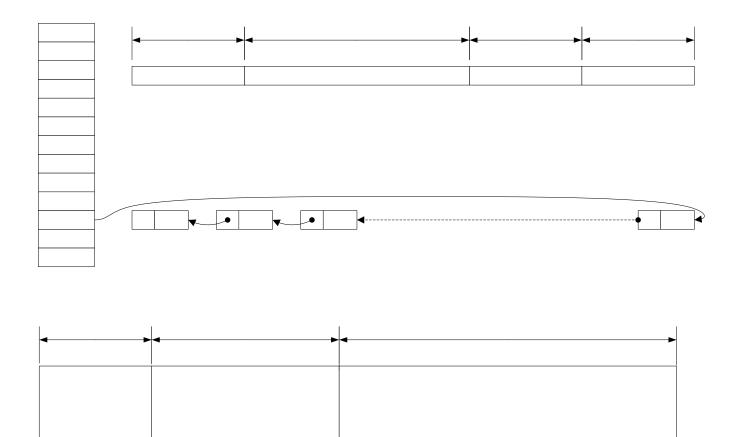
M



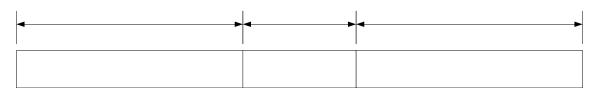




r ntrMr M

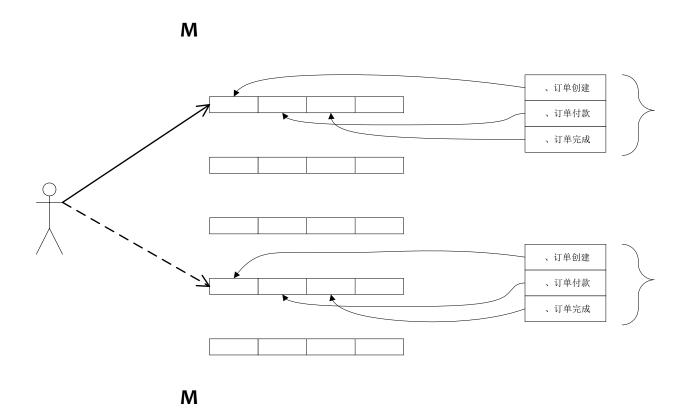


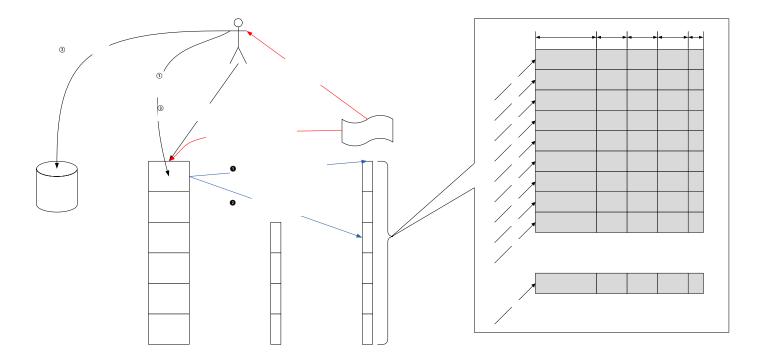
图表 7-3 索引的逻辑结构,类似 HashMap 实现

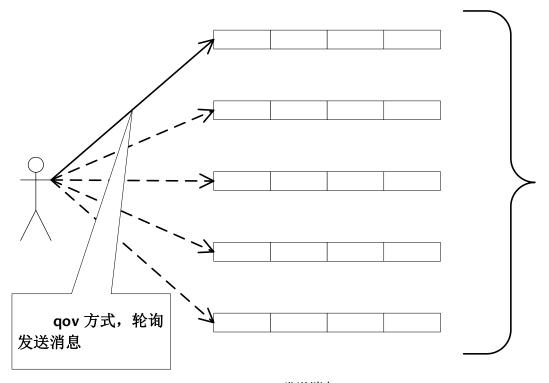


图表 7-4Consume Queue 单个存储单元结构

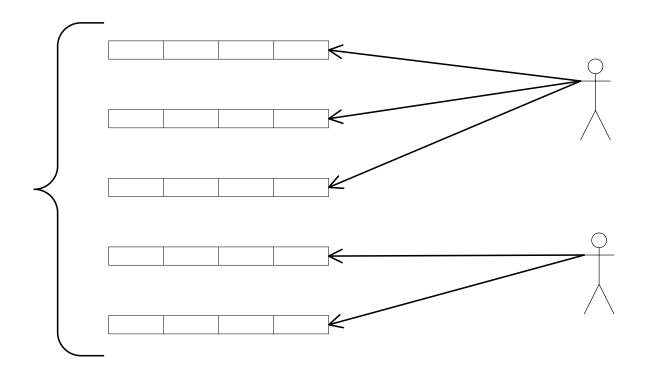
7.5 Pull







7-5 发送消息 Rebalance



7-6 订阅消息 Rebalance

М	Р	r	M	ronyn pr	M

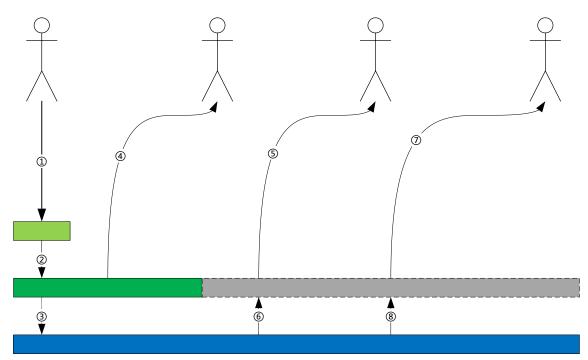
0	1	2	3	4	5	6	7	8	9	10

7.11

7.12

7.13 HA /

7.14 JVM



图表 7-7 消息在系统中流转图

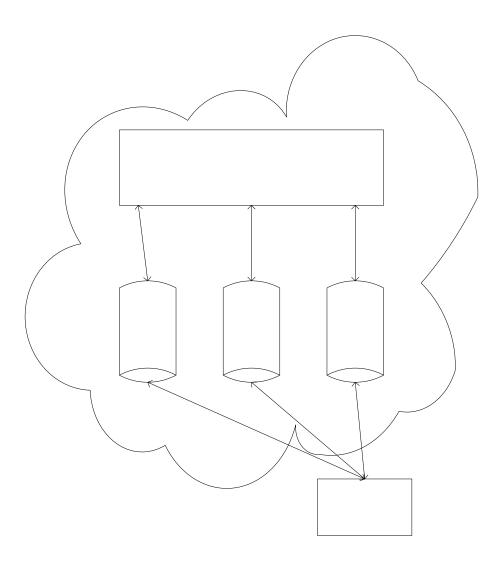
	М
М	
M	
P r M	
м	

pxr M

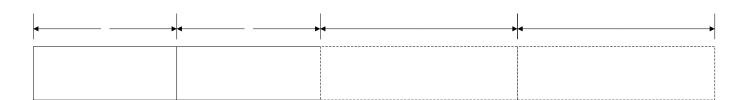
```
/**

* topic tags TagA TagC TagD
```

 $consumer.subscribe("TopicTest1", "TagA \parallel TagC \parallel TagD");$



pxr M



Header		Request	Response
			0
code			0
la a success			
language		JAVA	
version			
opaque			
flag			
remark			
extFields	HashMap < String, String >		

9.4

 $pxr \hspace{1cm} n \hspace{1cm} rMr \hspace{1cm} r \hspace{1cm} M$

	NM	M
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•		
-		
•		
•		
•		