



Apache RocketMQ

Past, Now and Future

Aliware 阿里中间件

冯嘉@阿里巴巴

Safe Harbor Statement

- The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Alibaba's products remains at the sole discretion of Alibaba.

Agenda

- History
- Community
- RocketMQ 5.0

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SELF INTRODUCTION



I'm Von Gosling

Apache RocketMQ Co-creator

Linux OpenMessaging Founder

GSoC Mentor

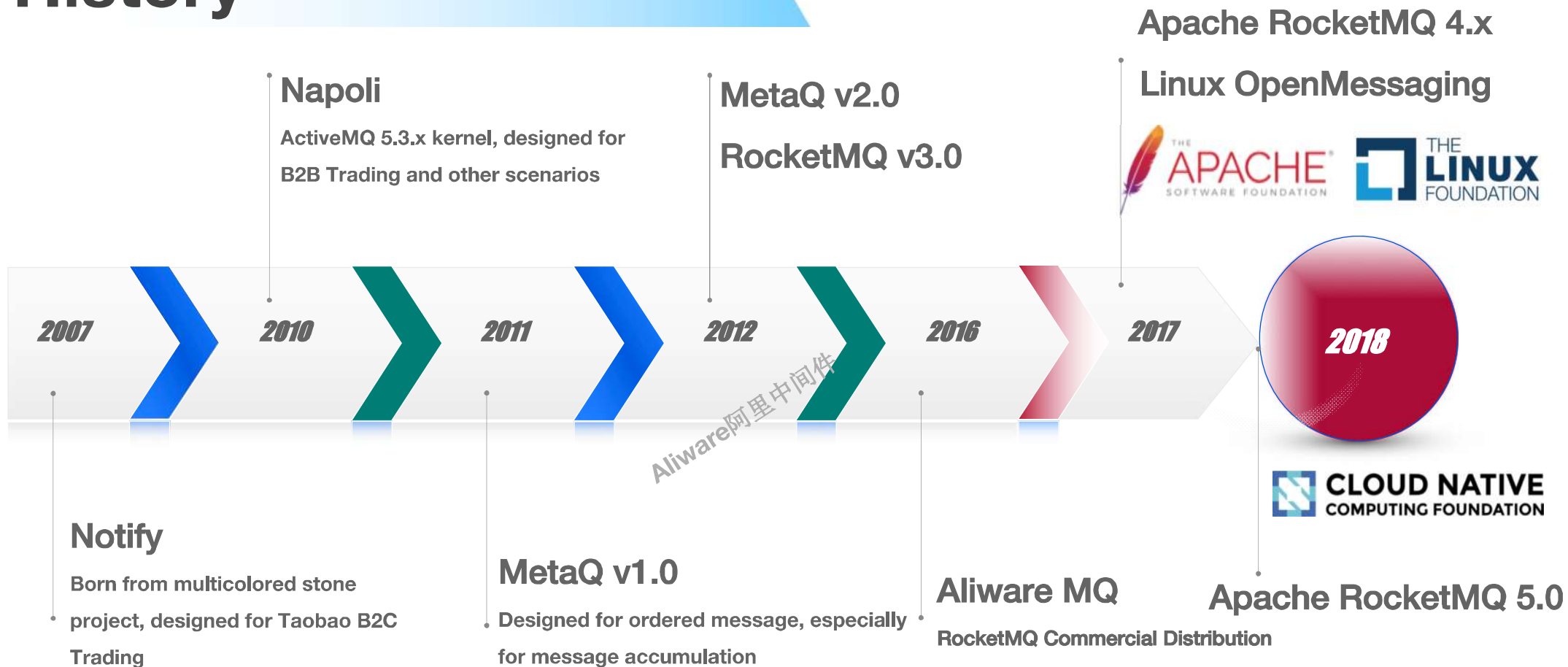
Alibaba RocketMQ Leader

Agenda

- History
- Community
- RocketMQ 5.0

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History



Use Case



EAI



System Decoupling



Backbone for EDA and CEP



Data Replication



Reactive Streaming



Serverless and Microservice

Cloud RocketMQ

云服务

容灾演练	依赖管理	智能部署	灰度发布	快速验证
专业文档	日常巡检	故障诊断	弹性扩容	专家培训

Alibaba Cloud MQ

Dashboard	定时消息	路由中继	授权认证	健康度量
安全配额	高可用	智能计费	监控报警	生态集成

Apache RocketMQ

普通消息	顺序消息	广播消息	Batch消息	LogAppender
SDKs	Connectors	协议桥	主备复制	分布式事务

Agenda

- History
- Community
- RocketMQ 5.0

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Community



Community

Apache RocketMQ

Documentation

Blog

Community

Users

About

TEAM

CONTACT

REWARDS

CONTACT

Mailing Lists

These are the mailing lists that have been established for RocketMQ. For each list, there is a subscribe, unsubscribe, and an archive link.

Name	Description	Subscribe	Unsubscribe	Archive
Users	User support and questions mailing list	Subscribe	Unsubscribe	Mail Archives
Issues	Mirror of all Github issue activity	Subscribe	Unsubscribe	Mail Archives
Development	Development related discussions	Subscribe	Unsubscribe	Mail Archives
Commits	All commits to repositories	Subscribe	Unsubscribe	Mail Archives

Community

普通邮件

群邮件

贺卡

明信片

发送

定时发送

存草稿

关闭

收件人

users-subscribe@rocketmq.apache.org

添加抄送 - 添加密送 | 分别发送

主题

Subscribe RocketMQ user mail list.

添加附件 | 超大附件 | 在线文档 | 照片 | 文档

正文

Hello,
内容随便写。
注意：邮件主题也可以随便写。

写信

收信

通讯录

收件箱(1638)

星标邮件

群邮件

草稿箱

已发送

已删除

垃圾箱(5)

QQ邮件

其他邮箱(51)

漂流瓶(50)

日历 | 记事本

在线文档

附件收藏

文件中转站

贺卡 | 明信片

阅读空间

< 返回

彻底删除

举报垃圾邮件

这不是垃圾邮件

标记为...

移动到...

confirm subscribe to users@rocketmq.apache.org

发件人: users-help <users-help@rocketmq.apache.org>

时间: 2018年7月26日(星期四) 下午5:29

收件人: Shannon <libya_003@qq.com>

这不是腾讯公司的官方邮件。 请勿轻信密保、汇款、中奖信息，勿轻易拨打陌生电话。 举报垃圾邮件

Hi, this is the ezmlm program. I'm managing the users@rocketmq.apache.org mailing list.

To confirm that you would like libya_003@qq.com added to the users mailing list, please send a short reply to this address: users-sc.1532597357.jdlmophkghoildhhaonf-libya_003@qq.com@rocketmq.apache.org

Usually, this happens when you just hit the "reply" button. If this does not work, simply copy the address and paste it into the "To:" field of a new message.

This confirmation serves two purposes. First, it verifies that I am able to get mail through to you. Second, it protects you in case someone forges a subscription request in your name.

Community



普通邮件

群邮件

贺卡

明信片

发送

定时发送

存草稿

关闭

收件人

users-sc.1532597357.jdlmophkghoidhha...@

添加抄送 - 添加密送 | 分别发送

主题

Success

添加附件 | 超大附件 | 在线文档

正文

随便写

写信

收信

通讯录

收件箱(1638)

星标邮件

群邮件

草稿箱

已发送

已删除

垃圾箱(5)

QQ邮件订阅

其他邮箱(51)

漂流瓶(50)

日历 | 记事本

在线文档

附件收藏

文件中转站

« 返回

彻底删除

举报垃圾邮件

这不是垃圾邮件

标记为...

移动到...

WELCOME to users@rocketmq.apache.org

发件人: users-help <users-help@rocketmq.apache.org>

时间: 2018年7月26日(星期四) 下午5:32

收件人: Shannon <libya_003@qq.com>

这不是腾讯公司的官方邮件。 请勿轻信密保、汇款、中奖信息，勿轻易拨打陌生电话。

Hi! This is the ezmlm program. I'm managing the users@rocketmq.apache.org mailing list.

Acknowledgment: I have added the address libya_003@qq.com to the users mailing list.

Welcome to users@rocketmq.apache.org!

Please save this message so that you know the address you are

Community

USER GUIDE

- Why RocketMQ
- Quick Start
- Simple Example
- Order Example
- Broadcasting Example
- Schedule Example
- Batch Example
- Filter Example
- Logappender Example
- OpenMessaging Example
- Transaction Example
- FAQ

DEPLOYMENT & OPERATIONS

- Architecture
- Deployment
- CLI Admin Tool

CONTRIBUTOR GUIDE

How To Contribute

How To Contribute

Apache RocketMQ is developed by an open and friendly community. Everybody is cordially welcome to join the community and contribute to Apache RocketMQ. There are several ways to interact with the community and to contribute to RocketMQ including asking questions, filing bug reports, proposing new features, joining discussions on the mailing lists, contributing code or documentation, improving the website, or testing release candidates.

Ask questions!


The Apache RocketMQ community is eager to help and to answer your questions. We have a [user mailing list](#) and [apache-rocketmq](#) tag on Stack Overflow.



File a bug report

ON THIS PAGE

[ASK QUESTIONS!](#)[FILE A BUG REPORT](#)[PROPOSE AN IMPROVEMENT OR A NEW FEATURE](#)[HELP OTHERS AND JOIN THE DISCUSSIONS](#)[TEST A RELEASE CANDIDATE](#)[CONTRIBUTE CODE](#)





Community Projects

[apache](#) / [rocketmq-externals](#) 



 Unwatch ▾ 121  Unstar 744 Fork 553











[Code](#) [Issues 8](#) [Pull requests 9](#) [ZenHub](#) [Projects 0](#) [Insights](#)

Mirror of Apache RocketMQ (Incubating)

 454 commits  10 branches  5 releases  26 contributors

Branch: [master](#) ▾ [New pull request](#) [Create new file](#) [Upload files](#) [Find file](#) [Clone or download](#) ▾

 **vesense** and **vongosling** ROCKETMQ-157: Serializer & Deserializer support for RocketMQ (#42)  Latest commit b536721 on 11 Jun

 .github	Add issue and pr template	4 months ago
 dev	[ROCKETMQ-236] Script to merge github pull request	a year ago
 rocketmq-console	update console's readme closes apache/rocketmq-externals#8	a year ago
 rocketmq-cpp	BugFix: Hold mutex while trying to notify	2 months ago
 rocketmq-docker	docker-compose script has been added for 4.1.0-incubating (#33)	4 months ago
 rocketmq-flink	ISSUE-61: Added javadocs for RocketMQ-Flink (#63)	2 months ago
 rocketmq-flume	This closes #64	3 months ago
 rocketmq-go	Go-Client remoting and RocketMqClient common method implement, closes a...	a year ago
 rocketmq-jms	Change the method name "headExits" to "exists". (#65)	2 months ago
 rocketmq-mysql	Prepare release mysql replicator 1.1.0 version	11 months ago

Community Involved

The screenshot shows a GitHub issue page for 'RocketMQ Feature Request: Transaction-Aware Message' (Issue #292). The issue is marked as 'Closed' and was opened by 'lizhanhui' on April 23. The issue description discusses the challenge of decoupling distributed systems with transactions and proposes a 'Transaction-Aware Message' feature. The right sidebar shows the issue's status: 'Closed', 'Assignees: No one—assign yourself', 'Labels: enhancement, new feature', 'Projects: None yet', and 'Milestone: 4.3.0'.

<> Code ① Issues 7 Pull requests 1 ZenHub Projects 0 Insights

RocketMQ Feature Request: Transaction-Aware Message #292

🔒 Closed lizhanhui opened this issue on 23 Apr · 6 comments

lizhanhui commented on 23 Apr

Messaging is a major approach to decouple distributed systems. However, when trying to decouple system modules whose boundaries are associated with transactions, it is subtle to determine when to send messages. For example, when module A completes a database transaction, it needs to send a message to notify module B, C, and D to perform subsequent actions. The problem is what the best time point to send the message is in comparison with database transaction. If we sent the message before database transaction, what if the application or database server crashed out. The same counts if the transaction rolls back due to any potential reason. If we sent the message after the transaction commits, there will be chances that application server may suffer crashes before message delivery is made. Thus, to maintain consistency of the whole system, we need to either implement an extra module to periodically check messages of each transaction is sent given messages are designed to send after the transaction commits and supplementally send those missed ones to achieve eventual consistency or make our messaging system transaction aware.

The first option is viable, but it excessively complicates business application systems and brings about noticeable overhead as the extra module has to repeatedly check committed transactions and messages sent are in accordance after a period of time. The latter choice, however, confines

Pipeline Closed

Assignees No one—assign yourself

Labels enhancement new feature

Projects None yet

Milestone 4.3.0

The screenshot shows a Weibo feed with several posts related to RocketMQ. The posts include questions about message ordering, announcements about Dubbo and RocketMQ, and discussions about the choice of MQ.

rocketmq 取消

知 rocketmq怎么保证队列完全顺序消费? 实际上,rocketmq是支持顺序消费的。但... 知乎 2017-9-27

阿里邀请技术人看秀! Dubbo & RocketMQ, 开发者的春天到了? ...rocketmq 同台秀~ 围观大佬,技术交流... 养码场 5天前

RocketMQ联合创始人: 选择MQ时, 要注意的有哪些? ...rocketmq是一个来自阿里巴巴... InfoQ 2018-4-8 6个好友分享

RocketMQ(十): 消息存储(闲扯) ...【匠心零度】回复:rocketmq,可获得基于rocketmq4. 1.0加详细中文... 匠心零度 2018-7-3 已关注

阿里分布式消息中间件RocketMQ的设计思路与技术细节 ...rocketmq技术的阿里目前可以在双十一... InfoQ 2017-2-24 已关注

Community Meetup



Apache RocketMQ Meetup Beijing

Time: 13:30, July 1st, 2017

Location: 4th floor of Building 5, Software Institute, Chinese Science Academy, Beijing, China

Alibaba Group 阿里巴巴集团
阿里中间件 阿里中间件
ISCAS 中国科学院
XLAB



Apache RocketMQ @ApacheRocketMQ · 7月1日

Apache RocketMQ Meetup Beijing concluded with perfect ending, many thanks to every one in RocketMQ community. Looking forward to next meetup

翻译自英文

Apache RocketMQ Meetup Beijing

Community Meetup

Apache RocketMQ Meetup

Date: December 16th, 13:00--17:30 (GMT+8)
Address: Science Park, Keyuan Road, Nanshan District, Shenzhen, China

— Schedule —

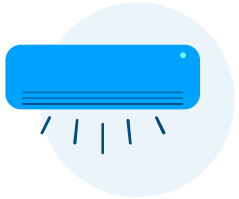
14:00-14:40	• Core Features of Apache RocketMQ
14:40-15:20	• Best Practice for Apache RocketMQ
15:30-16:10	• Performance Tuning and Big Data Ecosystem
16:10-17:00	• Apache RocketMQ 5.0, Embracing the Distributed Messaging Standard OpenMessaging

 **Apache RocketMQ** @ApacheRocketMQ · 2017年12月18日
Perfect meetup. [@vongosling](#)

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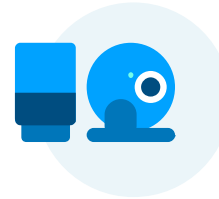


Cloud Native



Operability

Expose control of application/system lifecycle



Observability

Provide meaningful signals for observing state, health, and performance



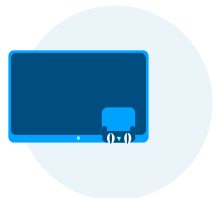
Elasticity

Grow and shrink to fit in available resources and to meet fluctuating demand



Resilience

Fast automatic recovery from failures

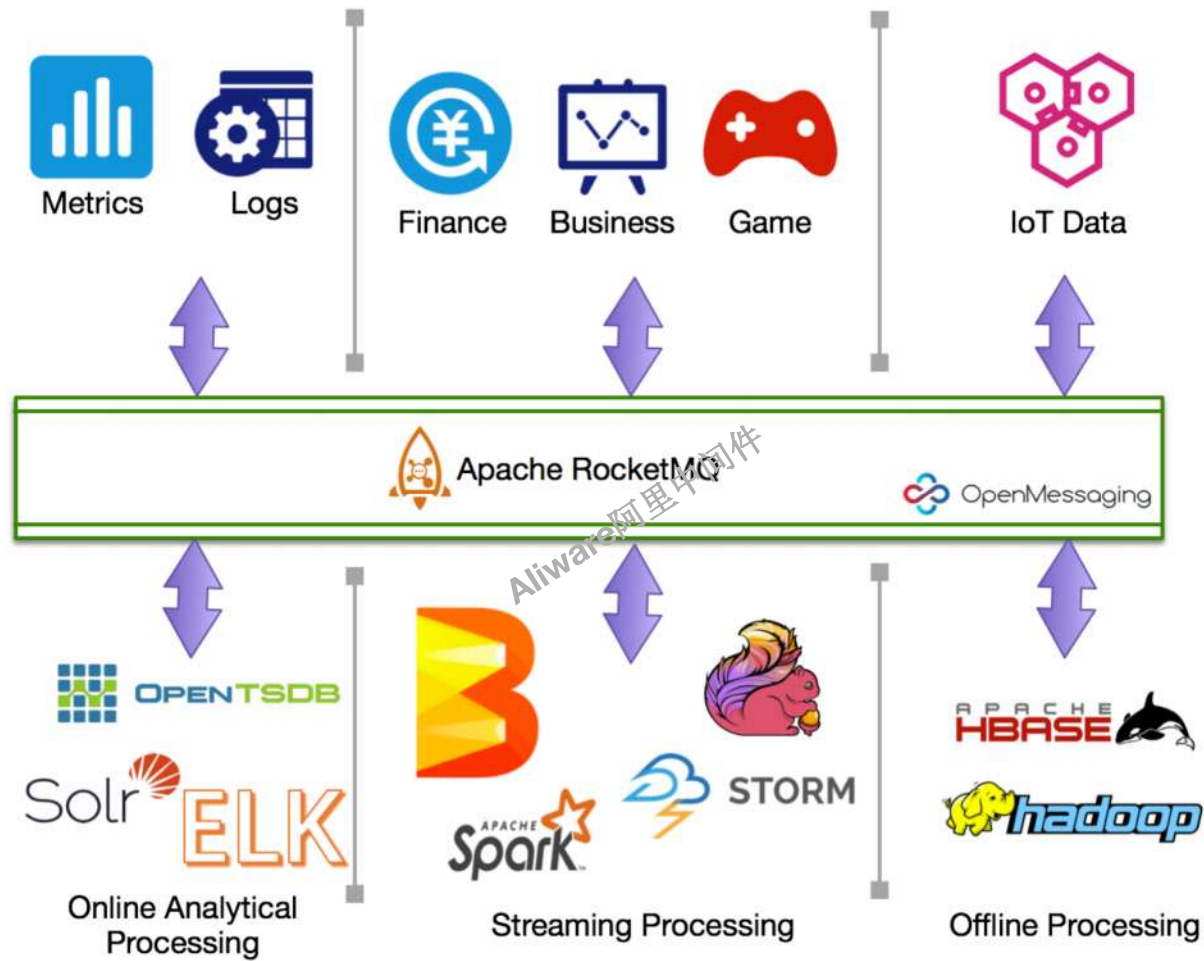


Agility

Fast deployment, iteration and reconfiguration

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Ecosystem



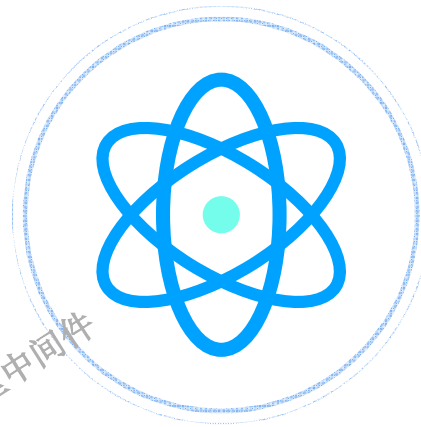
Field Specific



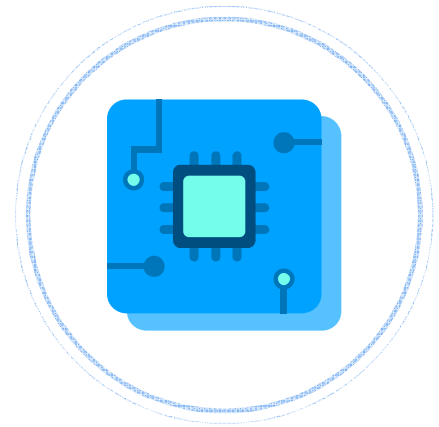
E-commerce



Finance



Big Data



IoT

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Contact us



Aliware阿里中间件

投简历: rocketmq-hire@list.alibaba-inc.com

推荐阅读

1. From Alibaba to Apache: RocketMQ's Past, Present, and Future
2. Apache RocketMQ 顶级项目之路
3. Apache RocketMQ 背后的设计思路与最佳实践.
4. 专访RocketMQ联合创始人: 项目思路、技术细节和未来规划
5. 万亿级数据洪峰下的分布式消息引擎
6. RocketMQ联合创始人: 选择MQ时, 要注意的有哪些

