



OpenMessaging

**Streamline the Cloud-Native World
With Distributed Messaging!**

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Agenda

- What is OpenMessaging
- OpenMessaging Projects
- How OpenMessaging Community works

Who am I



- Linux OpenMessaging Advisory Board Member
- Apache RocketMQ PMC Member & Committer
- Technology Expert of Alibaba
- Mentor of Alibaba Summer of Code

Definition

What is OpenMessaging?

THE **LINUX** FOUNDATION PROJECTS



HOME

DOCS ▾

BLOG

COMMUNITY

MEMBERS

ABOUT ▾



OpenMessaging

**A cloud native, vendor-neutral
open specification for distributed
messaging**



Star

131

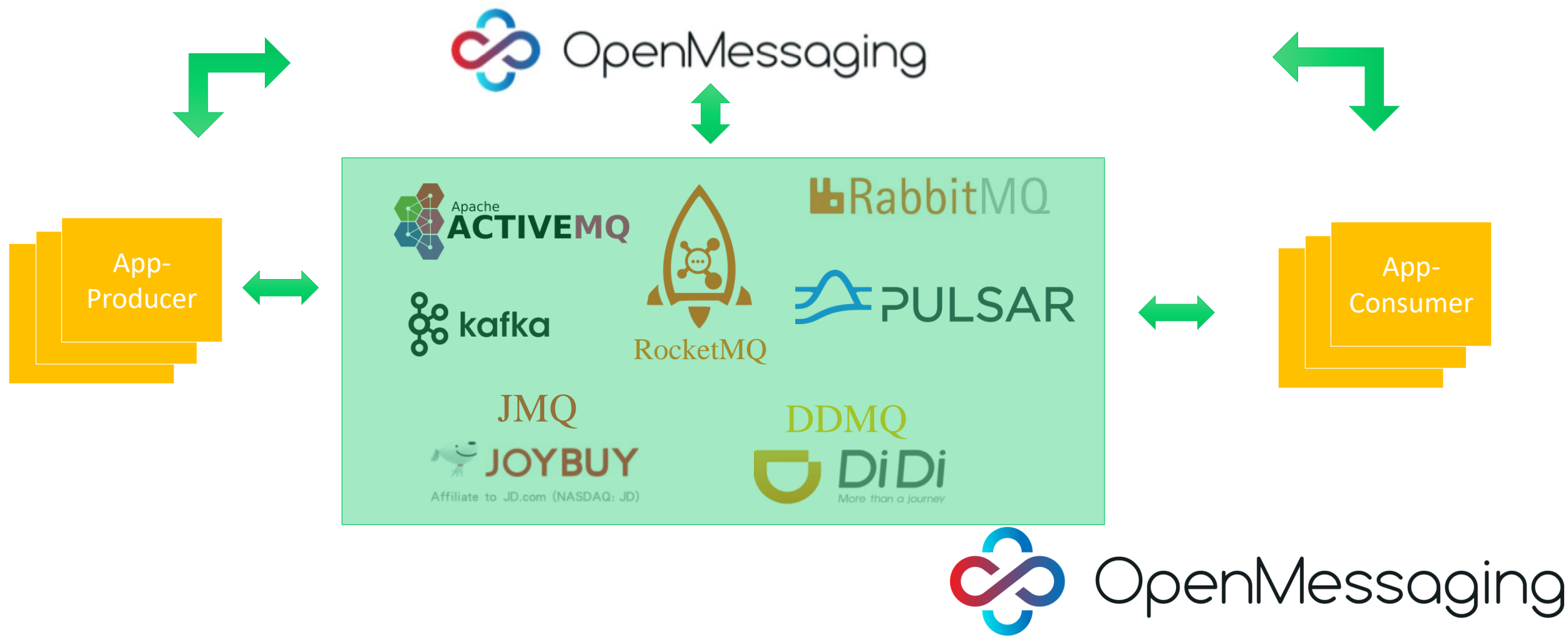


Fork

23

Backgrounds

What is OpenMessaging?



Value for User

What is OpenMessaging?

Unified API

Vendor Lock-in

Hybrid Cloud

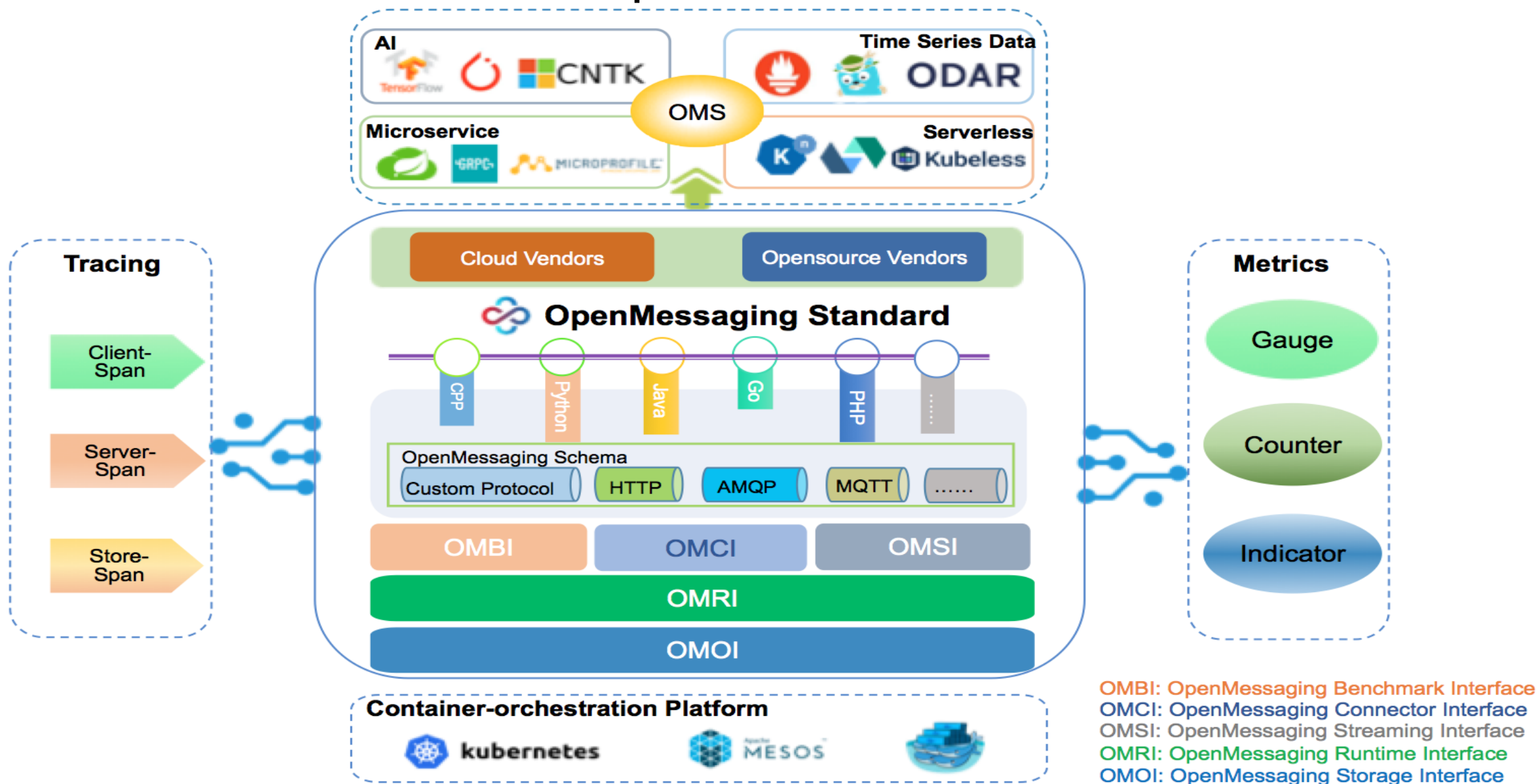
Migration Costs



OpenMessaging

Architecture and Landscape

What is OpenMessaging?



Open Standard

What is OpenMessaging?

Scalable

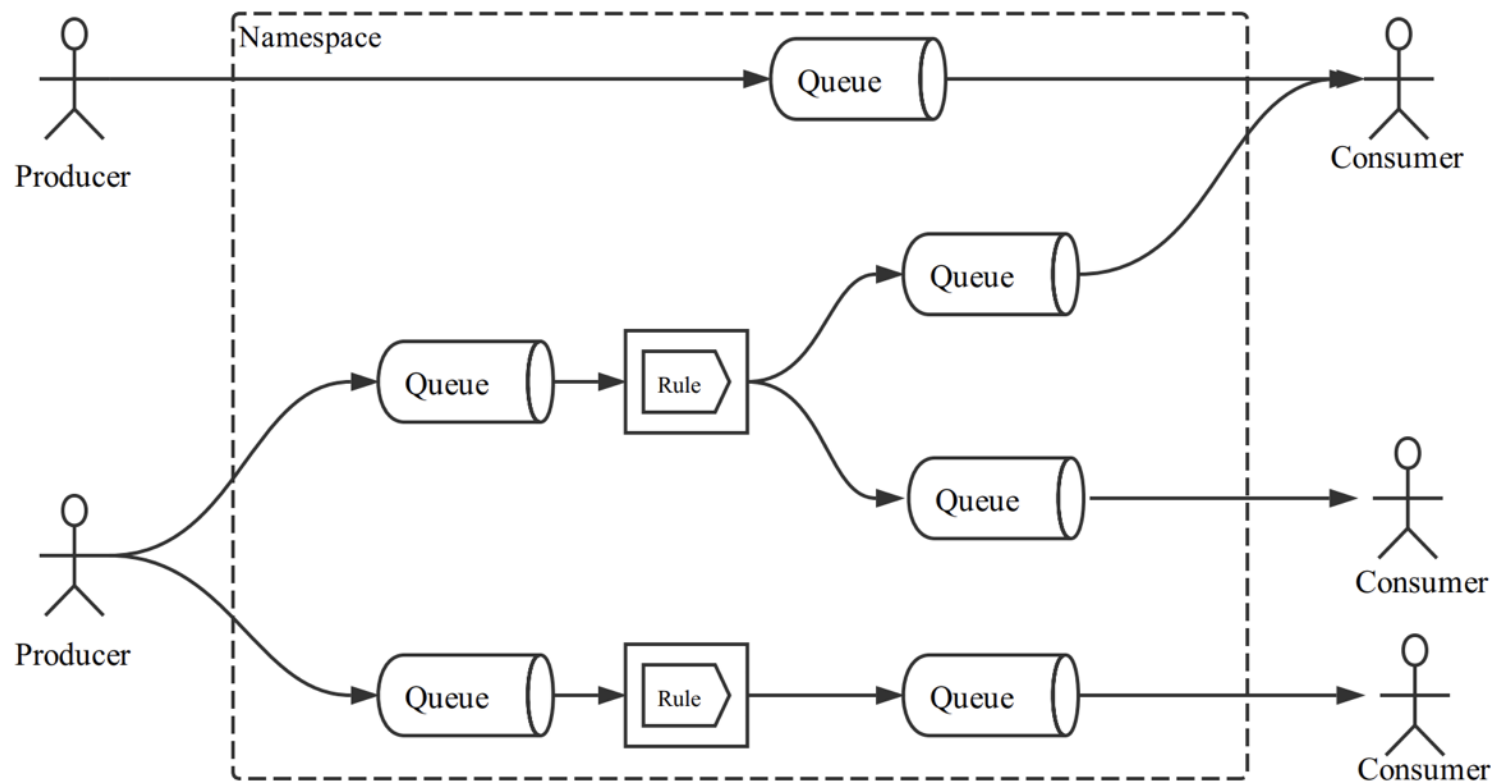
Based on Queue Model, supports multi messaging scenarios

Flexible

Supports multi operation(routing, filtering...)

Streaming Native

Integrate streaming solutions



OpenMessaging

Open Standard

What is OpenMessaging?

Meta data

Define the common metadata of a message

Protocol/vendor independent

No limitation for vendors implementation

Portability

First step towards portability of union message solution

```
{
  "message": {
    "version": "1.0.0",
    "headers": {
      "messageId": "7F000001000028730000000000004F49C",
      "bornTimestamp": 1533780827824,
      "bornHost": "172.24.0.101:10035",
      "storeTimestamp": 1533780827825,
      "storeHost": "172.24.0.102:52511",
      "expireTime": 1533780830000,
      "priority": 1,
      "compression": "gzip",
      "traceId": "1E0578887D3F18B4AAC22B64D2B00A5E",
      "transactionId": "1E0578887D3F18B4AAC22B64D2B40A62",
      "destination": "orderQueue",
      "messageKey": "orderId-103368921567",
      "delayTime": 30000,
      "durability": 1,
      "correlationId": "7F000001000028730000000000004F2B4"
    },
    "properties": {
      "service": "helloService"
    },
    "data": {}
  }
}
```



OpenMessaging

History



Linux Foundation

OpenMessaging open source project
officially entered Linux foundation



CNCF Landscape

Dan Kohn, CEO of CNCF, announced
that openmessaging will be included
in the CNCF Landscape



Whale Cloud



V1.2.0 Release

Version 1.0.0 includes specific
and runtime interface (Java & C++)



OpenMessaging
OpenMessaging-0.1.0-alpha

OMBI Release
OpenMessage BenchMark Release
By Alibaba,Streamlio,etc

V1.0.0-preview Release
Version 1.0.0 includes specification
and runtime interface (Java & CPP).



DataPipeline



OpenMessaging

Apache RocketMQ

Apache RocketMQ™ is a unified messaging engine,
lightweight data processing platform.

[Latest release v4.5.2](#)



Star

9,448



Fork

5,028



Getting Started



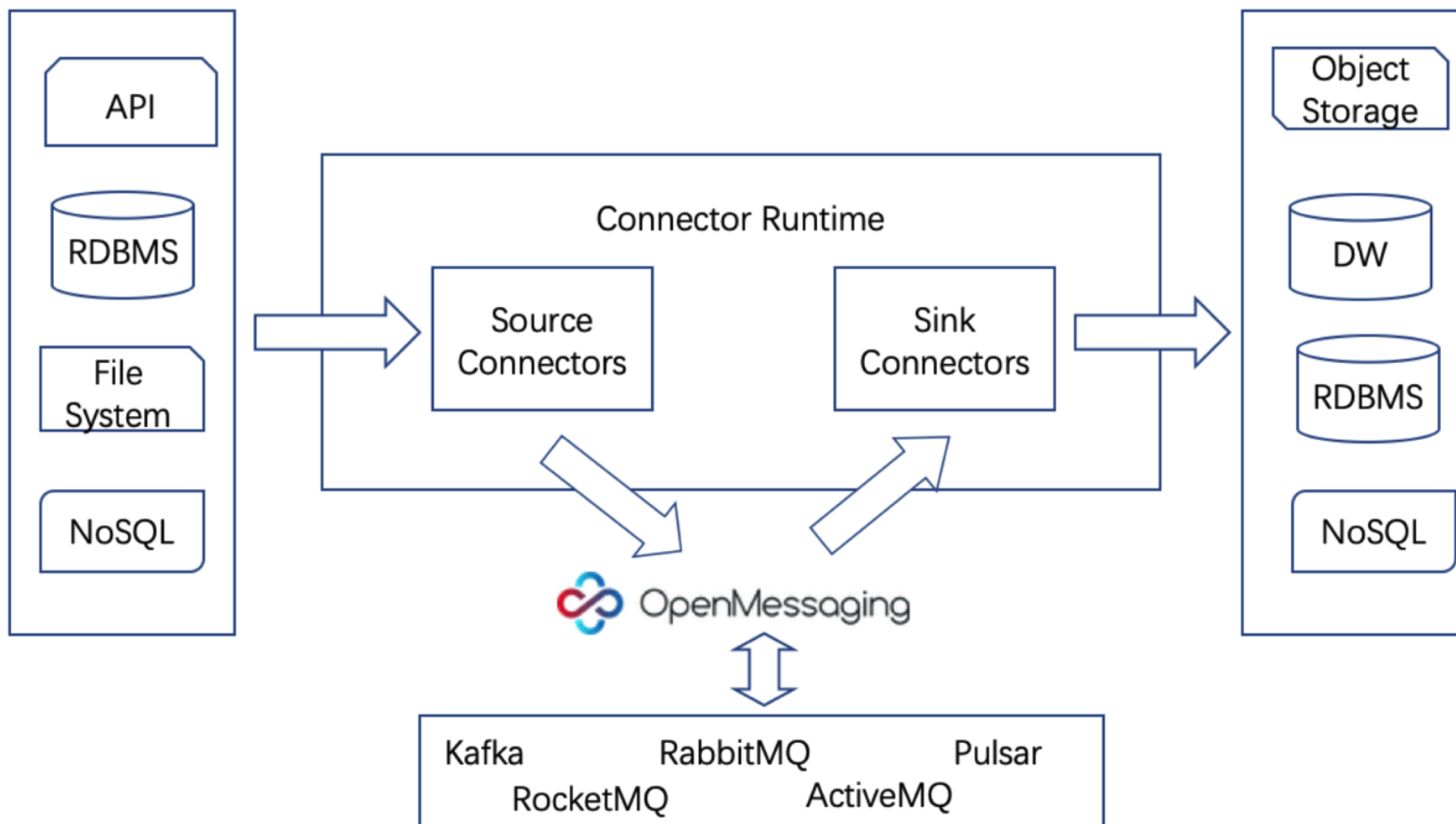
URL: rocketmq.apache.org

Agenda

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- OpenMessaging Projects
- How OpenMessaging Community works

OpenMessaging Connect

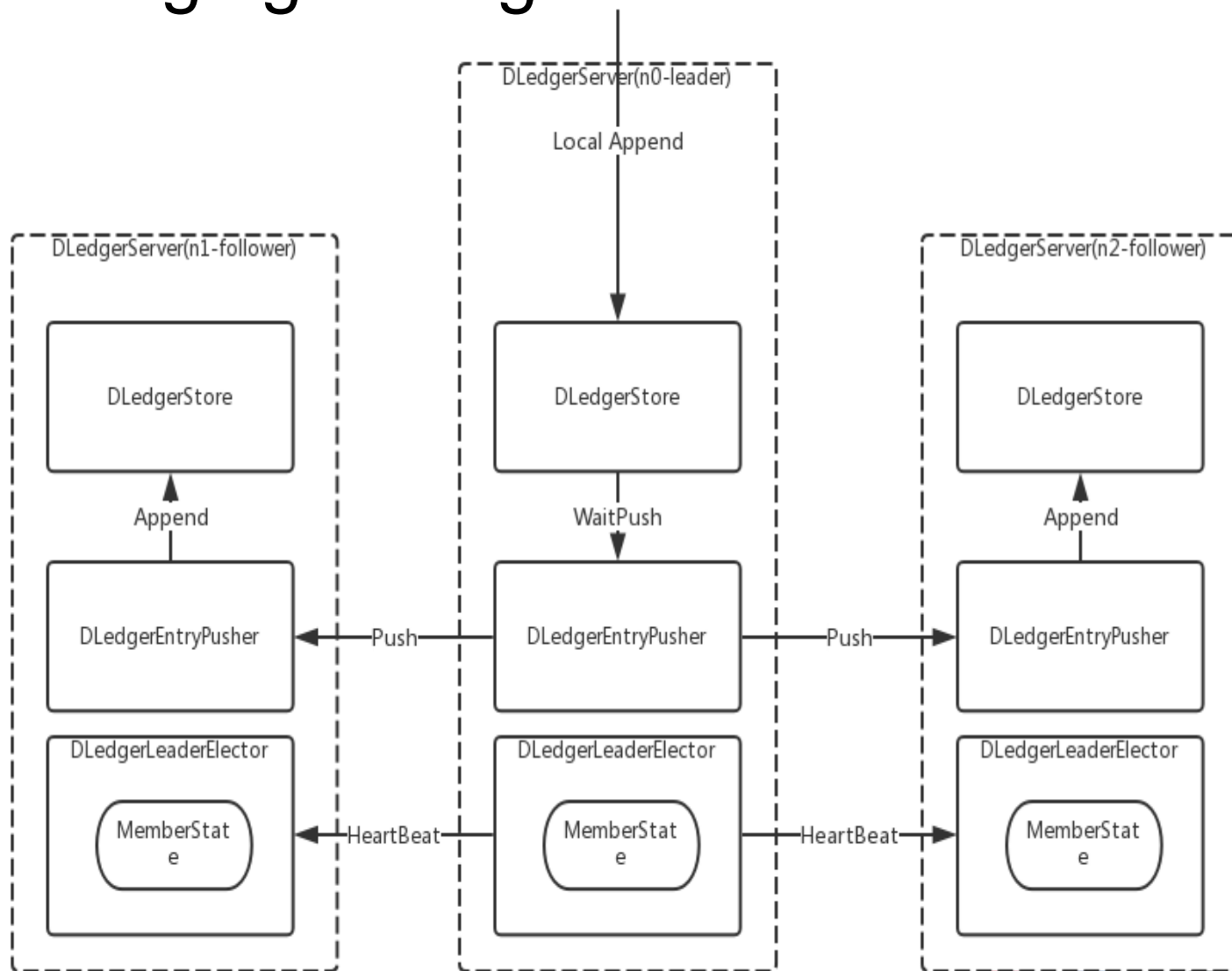
What is OpenMessaging?



OpenMessaging

OpenMessaging Dledger

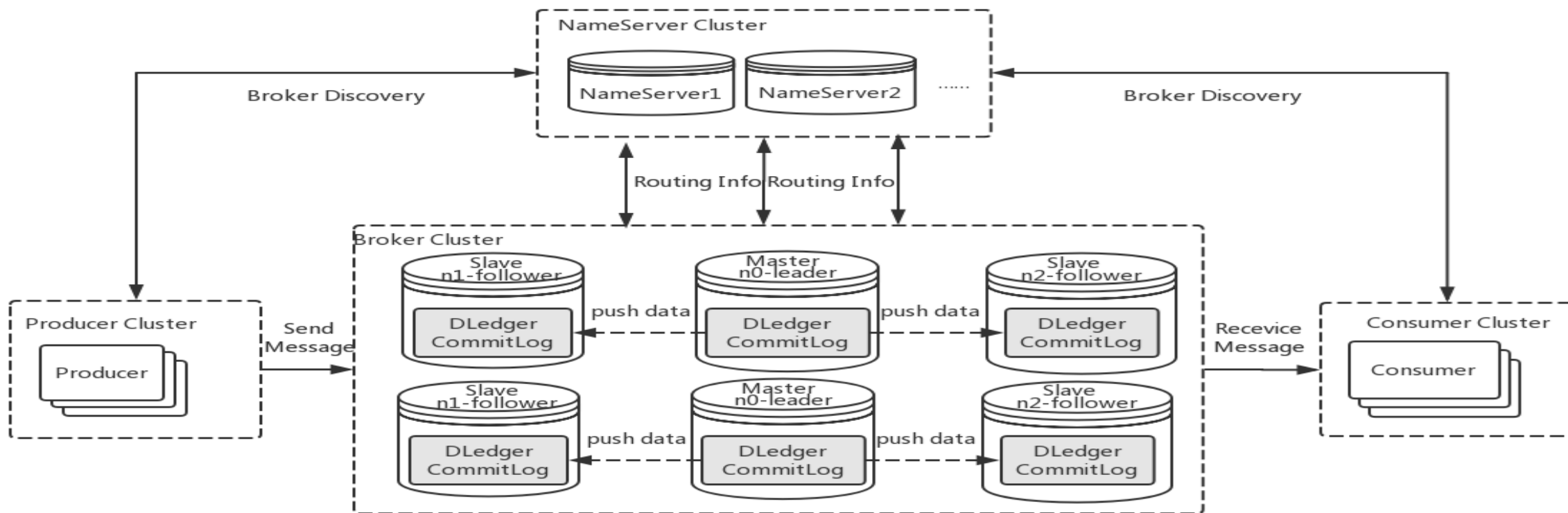
What is OpenMessaging?



OpenMessaging

OpenMessaging Dledger

What is OpenMessaging?



Agenda

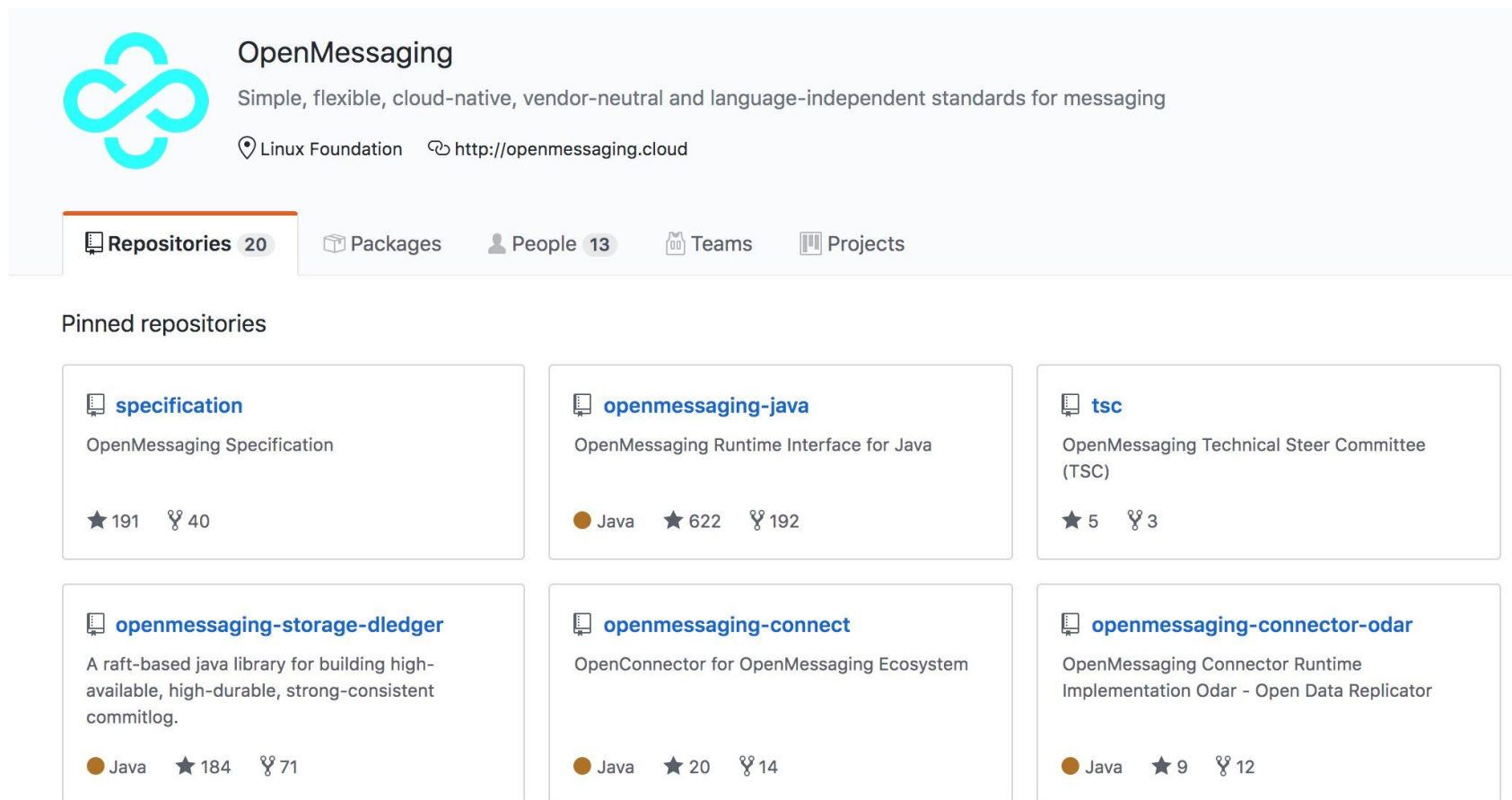
- Why OpenMessaging
- What is OpenMessaging
- How OpenMessaging Community works

Collaboration Style

How Community Works

Version 1.0.0 Preview

- 622+ Stars
- 190+ Fork
- 7 TSC members from 4 orgs
- 9 Maintainers from 6 orgs
- 42 Contributors
- 9 Releases
- 669+ Commits
- 100+ twitter followers



The screenshot shows the GitHub organization page for OpenMessaging. At the top is the OpenMessaging logo (a blue infinity-like shape) and the organization name. Below the logo is a description: "Simple, flexible, cloud-native, vendor-neutral and language-independent standards for messaging". It also shows the Linux Foundation logo and the website URL "http://openmessaging.cloud". A navigation bar includes links to Repositories (20), Packages, People (13), Teams, and Projects. Below this is a section titled "Pinned repositories" which displays six repository cards. Each card shows the repository name, a brief description, and the number of stars and forks. The repositories are: specification (OpenMessaging Specification, 191 stars, 40 forks), openmessaging-java (OpenMessaging Runtime Interface for Java, 622 stars, 192 forks), tsc (OpenMessaging Technical Steer Committee (TSC), 5 stars, 3 forks), openmessaging-storage-dledger (A raft-based java library for building high-available, high-durable, strong-consistent commitlog, 184 stars, 71 forks), openmessaging-connect (OpenConnector for OpenMessaging Ecosystem, 20 stars, 14 forks), and openmessaging-connector-odap (OpenMessaging Connector Runtime Implementation Odap - Open Data Replicator, 9 stars, 12 forks).

OpenMessaging
Simple, flexible, cloud-native, vendor-neutral and language-independent standards for messaging
Linux Foundation <http://openmessaging.cloud>

Repositories 20 Packages People 13 Teams Projects

Pinned repositories

- specification**
OpenMessaging Specification
★ 191 🍴 40
- openmessaging-java**
OpenMessaging Runtime Interface for Java
Java ★ 622 🍴 192
- tsc**
OpenMessaging Technical Steer Committee (TSC)
★ 5 🍴 3
- openmessaging-storage-dledger**
A raft-based java library for building high-available, high-durable, strong-consistent commitlog.
Java ★ 184 🍴 71
- openmessaging-connect**
OpenConnector for OpenMessaging Ecosystem
Java ★ 20 🍴 14
- openmessaging-connector-odap**
OpenMessaging Connector Runtime Implementation Odap - Open Data Replicator
Java ★ 9 🍴 12



Collaboration Style

How Community Works

Open source vendors

Support



RocketMQ



DDMQ

JMQ 京东



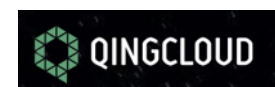
PULSAR



中国移动 China Mobile E-RocketMQ

Commercialize vendors

Support



中国移动 China Mobile



中移软件 CM Soft



Whale Cloud



OpenMessaging

Thanks

<http://openmessaging.cloud/>

<https://groups.google.com/forum/#!forum/openmessaging>

https://twitter.com/Open_Messaging

<https://github.com/openmessaging>



OpenMessaging