

# Tips for growing a healthy and active community around your open source project

Trista Pan  
panjuan@apache.org



## Trista Pan

CTO & co-founder of SphereEx  
Apache Member & Apache Incubator Mentor  
Apache ShardingSphere PMC  
China Mulan Community Mentor

AWS Data Hero  
Tencent Cloud TVP

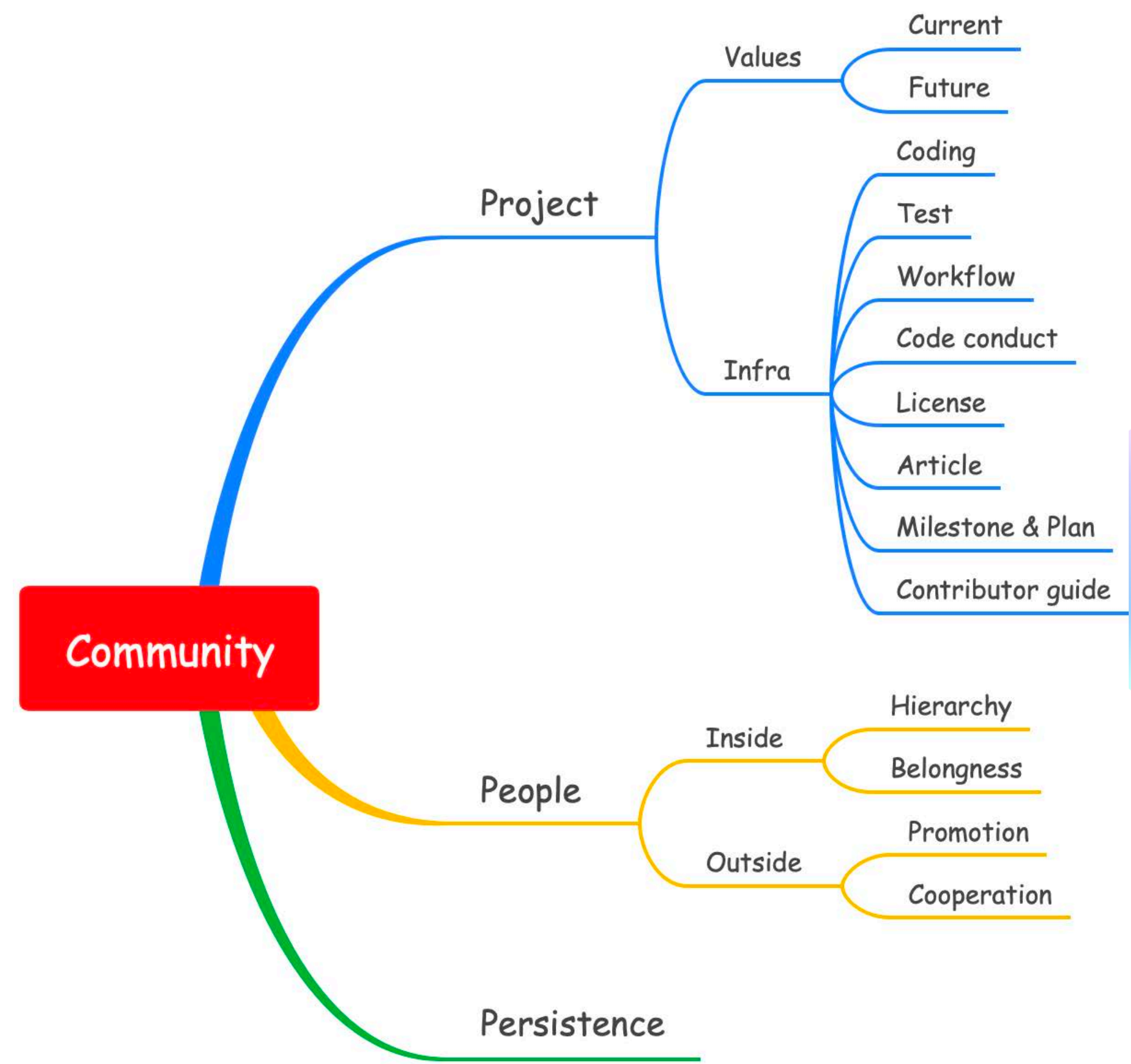
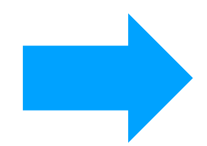
**Bio:** <https://tristazero.github.io>

**LinkedIn:** <https://www.linkedin.com/in/panjuan>

**GitHub:** <https://github.com/tristaZero>

**Twitter:** @tristaZero

# Content





# Apache ShardingSphere



ShardingSphere

## Database Plus

### What is Apache ShardingSphere?

The ecosystem to transform any database into a distributed database system, and enhance it with sharding, elastic scaling, encryption features & more.

Download

Learn More

Website: <https://shardingsphere.apache.org/>

Twitter: <https://twitter.com/ShardingSphere>

LinkedIn: <https://www.linkedin.com/showcase/apache-shardingsphere/>

Slack: <https://app.slack.com/client/T026JKU2DPF/C026MLH7F34>

Edit Pins ▾ Watch 1k ▾ Fork 6.1k ▾ Starred 17.9k ▾

#### About

Ecosystem to transform any database into a distributed database system, and enhance it with sharding, elastic scaling, encryption features & more

- mysql sql database bigdata
- postgresql shard rdbms
- distributed-transactions
- distributed-database dba encrypt
- hacktoberfest database-cluster oltp
- distributed-sql-database database-plus

Readme

Apache-2.0 license

Code of conduct

Security policy

17.9k stars

1k watching

6.1k forks

Releases 52

5.3.1 Latest  
5 days ago

+ 51 releases

Packages 2

shardingsphere-proxy

shardingsphere-proxy-native

Contributors 473



+ 462 contributors

Environments 1

github-pages Active

#### Languages

Java 95.4% ANTLR 4.0%  
Other 0.6%



# Apache ShardingSphere

**CNCF Cloud Native Interactive Landscape**

The Cloud Native Trail Map (cntrail.io) is CNCF's recommended path through the cloud native landscape. The cloud native landscape (cntrail.io) covers lands...

You c...

ShardingSphere

## ShardingSphere

The Apache Software Foundation

App Definition and Development · Database

Ecosystem to transform any database into a dist system, and enhance it with sharding, elastic sce features & more

Website: [shardingsphere.apache.org](https://shardingsphere.apache.org)

Repository: [github.com/apache/shardingsphere](https://github.com/apache/shardingsphere) 15,802

Crunchbase: [crunchbase.com/organization/apache](https://crunchbase.com/organization/apache)

LinkedIn: [linkedin.com/company/the-apache-software-founda](https://linkedin.com/company/the-apache-software-founda)

Twitter: @ShardingSphere

First Commit: 6 years ago

Contributors: 460

Headquarters: Forest Hill, Maryland

Open Source Software

License Apache License 2.0

CII Best Practices passing

Tweet 1856

Java 96%

ANTLR 4%

Shell <1%

Dockerfile <1%

Batchfile <1%

Smarty <1%

**Top open-source databases by active contributors**

Runa Capital

Bogdan Semenov bs@runacap.com

ClickHouse	APACHE SPARK	elastic	TIDB	Cockroach DB
mongoDB	Prometheus	redis	ShardingSphere	TDengine
trino	APACHE HBASE	TIKV	yugabyteDB	presto
PERCONA	RocksDB	HIVE	DORIS	Greenplum

April 2022

[runacap.com/data/db-index](https://runacap.com/data/db-index)

**JCON** @jcon\_conference · Nov 16, 2022

Watch @tristaZero's #JCON2022 video: How to Build a Distributed & Secure Database Ecosystem with @PostgreSQL [youtube.com/watch?v=YFXjfkf...](https://youtube.com/watch?v=YFXjfkf...)

Focus on introducing how to empower #PostgreSQL thanks to the ecosystem provided by Apache @ShardingSphere!

#DevOps #CloudPlatforms

#JCON2022 [www.jcon.one](https://www.jcon.one)

**How to Build a Distributed & Secure Database Ecosystem with PostgreSQL**

Juan Pan

ALT

4 7

**Apache ShardingSphere** @ShardingSphere · Apr 24

Just in case you missed it, good read about data sharding and how #ShardingSphere is ushering the next evolution of the database sharding architecture 🙌

#opensource #database #SQL

**InfoQ** @InfoQ · Apr 23

#ICYMI Learn about the #DataSharding patterns & how #Apache #ShardingSphere project solves the data sharding challenges.

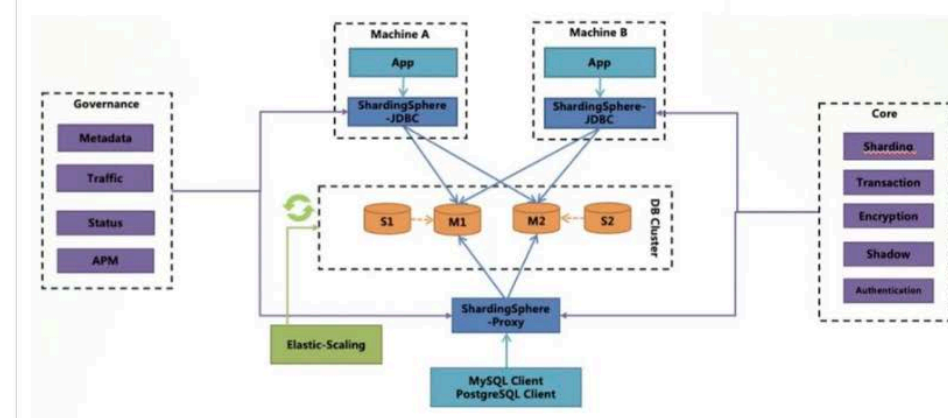
#InfoQ article by @tristaZero: [bit.ly/3nr8nX0](https://bit.ly/3nr8nX0)

#AI #ML #DataEngineering #Scalability #Performance #SoftwareSecurity #Cryptography

**InfoQ**

## The Next Evolution Of The Database Sharding Architecture

by Juan Pan

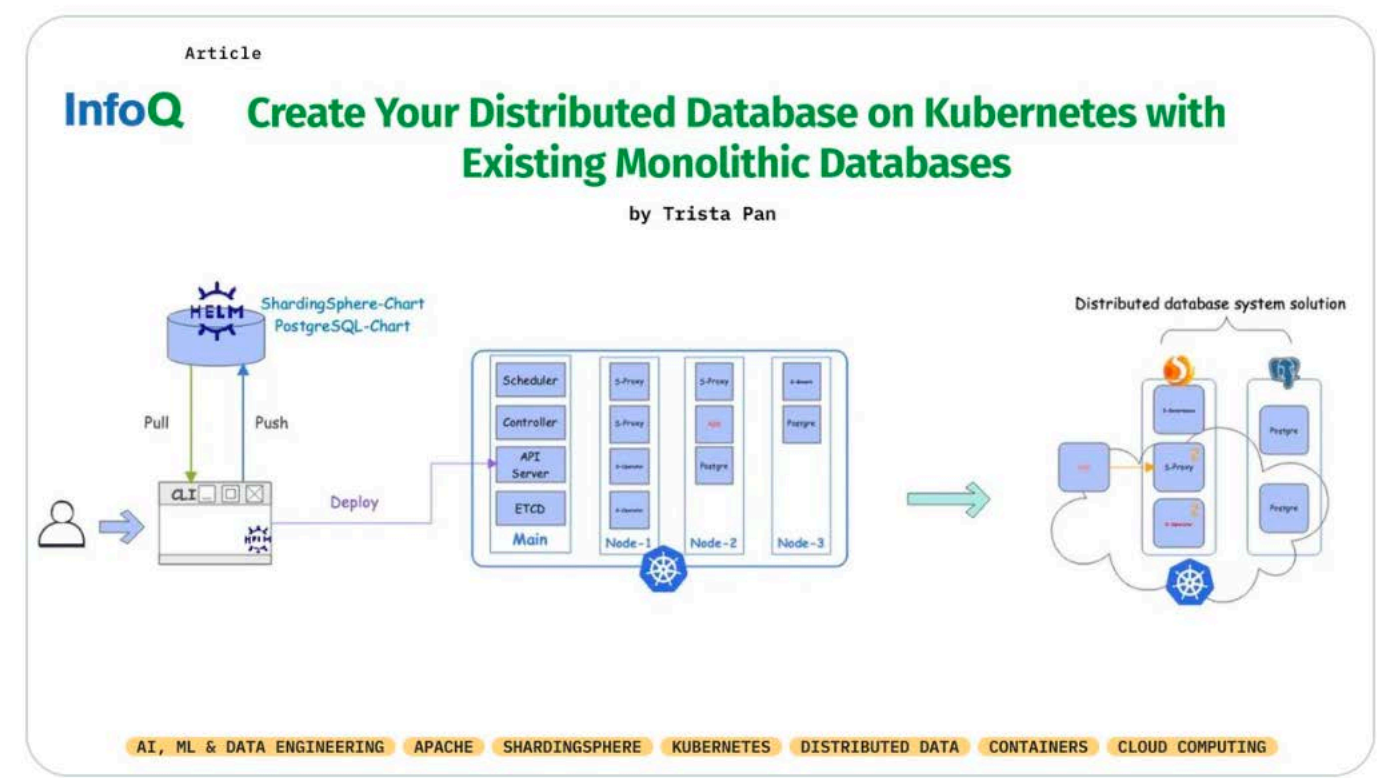


**InfoQ** @InfoQ · Nov 20, 2022

Learn how to transform any monolithic database into a distributed database and deploy it on Kubernetes using Apache ShardingSphere.

#InfoQ article by @tristaZero: [bit.ly/3V5ii2T](https://bit.ly/3V5ii2T)

#ApacheShardingSphere #Kubernetes #database #AI #ML



48 125

**FOSDEM PGDay** @fosdempgday · Jan 6

Watch this FOSDEM 2022 talk again:

PostgreSQL Distributed & Secure Database Ecosystem Building

Speaker: Juan Pan (@tristaZero)

[archive.fosdem.org/2022/schedule/...](https://archive.fosdem.org/2022/schedule/)

#PostgreSQL #FOSDEM

[archive.fosdem.org](https://archive.fosdem.org)

FOSDEM 2022 - PostgreSQL Distributed & Secure Database Ecosystem Building

3 7



# Key Values

- The foundation for everything.
- The higher the value, the bigger the community maybe.
- Value & Trending & chance
- Long term orientation: think about the future. “What features should we develop next?”

- Monetization



atch 562 Fork 5.7k Star 27.9k

Insights

About

Source to app.diagrams.net

[www.diagrams.net](http://www.diagrams.net)

Readme

Apache-2.0 License

Code of conduct

27.9k stars

562 watching

5.7k forks

Releases 636

v16.6.2 Latest 12 hours ago

+ 635 releases

## The Apache Attic

The Apache Attic was created in **November 2008** to provide process and solutions to make it clear when an Apache project has reached its end of life. Specifically to be:

"responsible for the oversight of projects which otherwise would not have oversight; and be it further ... is not authorized to actively develop and release the projects under its oversight"

It is intended to:

- Be non-impacting to users
- Provide restricted oversight for these codebases
- Provide oversight for active user lists with no Project Management Committee (PMC)

## Apache iBATIS

**Apache iBATIS** moved into the Attic in June 2010. iBATIS was a data mapper framework that made it easier to use a relational database with object-oriented applications. There were both Java and .Net implementations.

The iBATIS committers moved over to **MyBatis** which is the natural successor to iBATIS.

As with any project in the Attic - if you should choose to fork iBATIS outside of Apache, please let us know so we can link to your project.

Read-only Resource	Link(s)
Website	<a href="http://ibatis.apache.org/">ibatis.apache.org/</a>
Mailing List Archives	<a href="#">dev</a>   <a href="#">commits</a>   <a href="#">user-cs</a>   <a href="#">user-java</a>
Issue Tracker (JIRA)	<a href="#">IBATIS</a>
Board Reports	<a href="#">Minutes</a>
Downloads	<a href="http://archive.apache.org/dist/ibatis/">archive.apache.org/dist/ibatis/</a>   <a href="#">KEYS</a>

Archived versions of iBATIS may be downloaded from the [Apache Archives](#).

As mentioned above, one fork that has been created is MyBatis at <http://www.mybatis.org/>.

## » Asset-Project: “The Kernel”

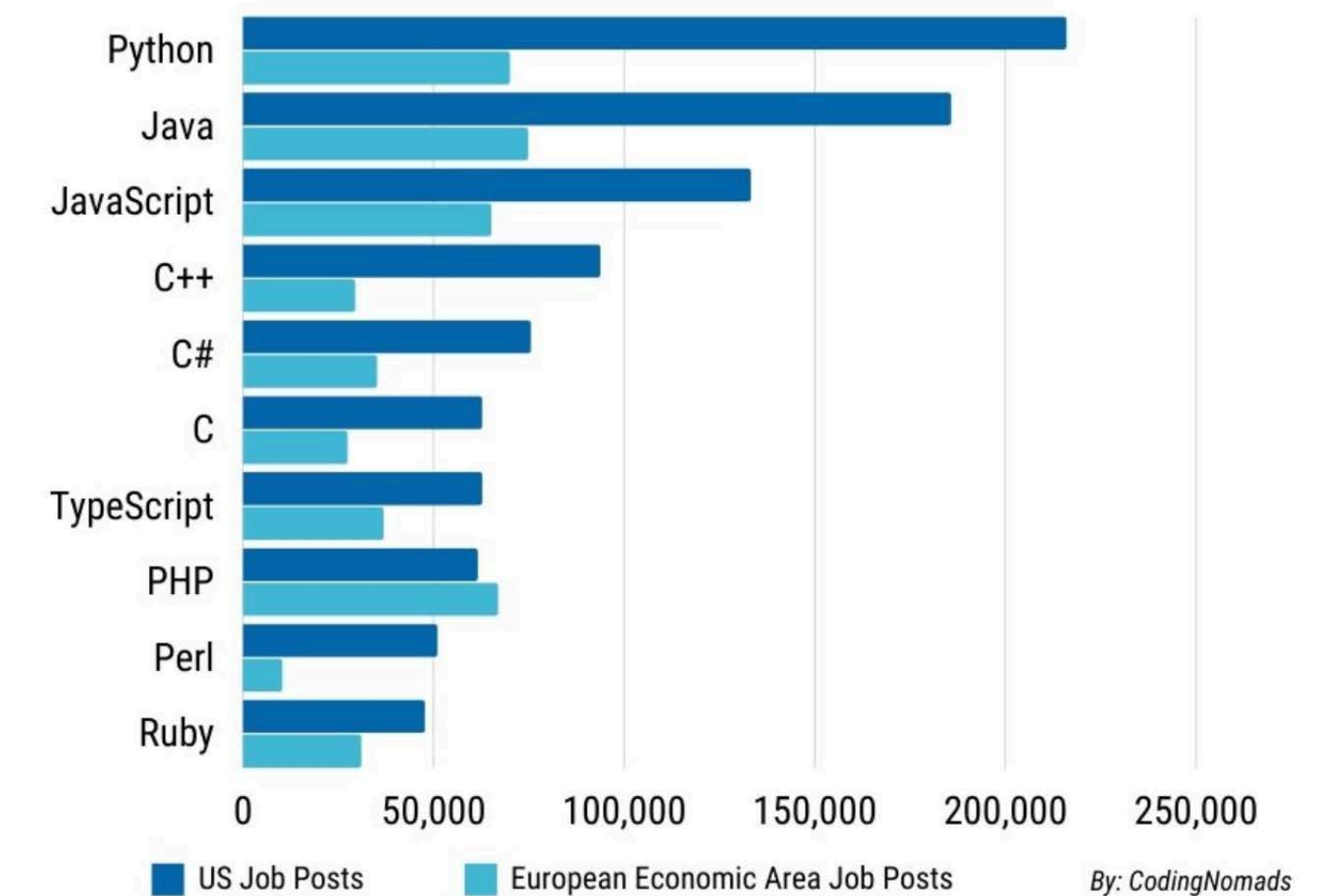
- This infrastructure is foundational requirement for your project’s future
  - Coding/Test/CI/CD
  - License/copyright
  - Issue/feedback platform
- GitHub, is a great tool to kickstart your project. This is not a pitch.
- The programming language is key: it can impact your project’s reach



Career Tracks ▾ Courses ▾ Blog Reviews Login

### Most in-demand programming languages of 2022

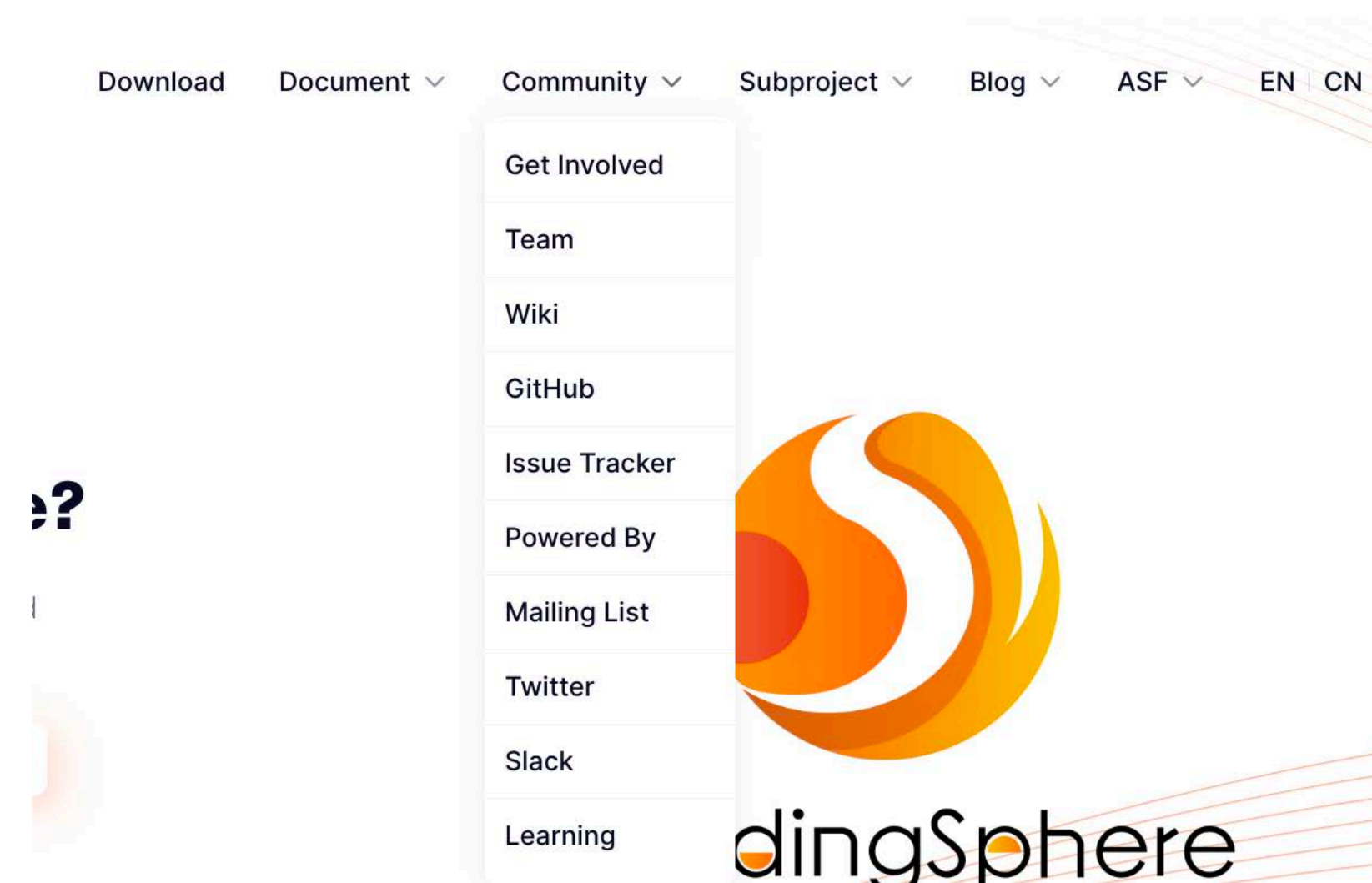
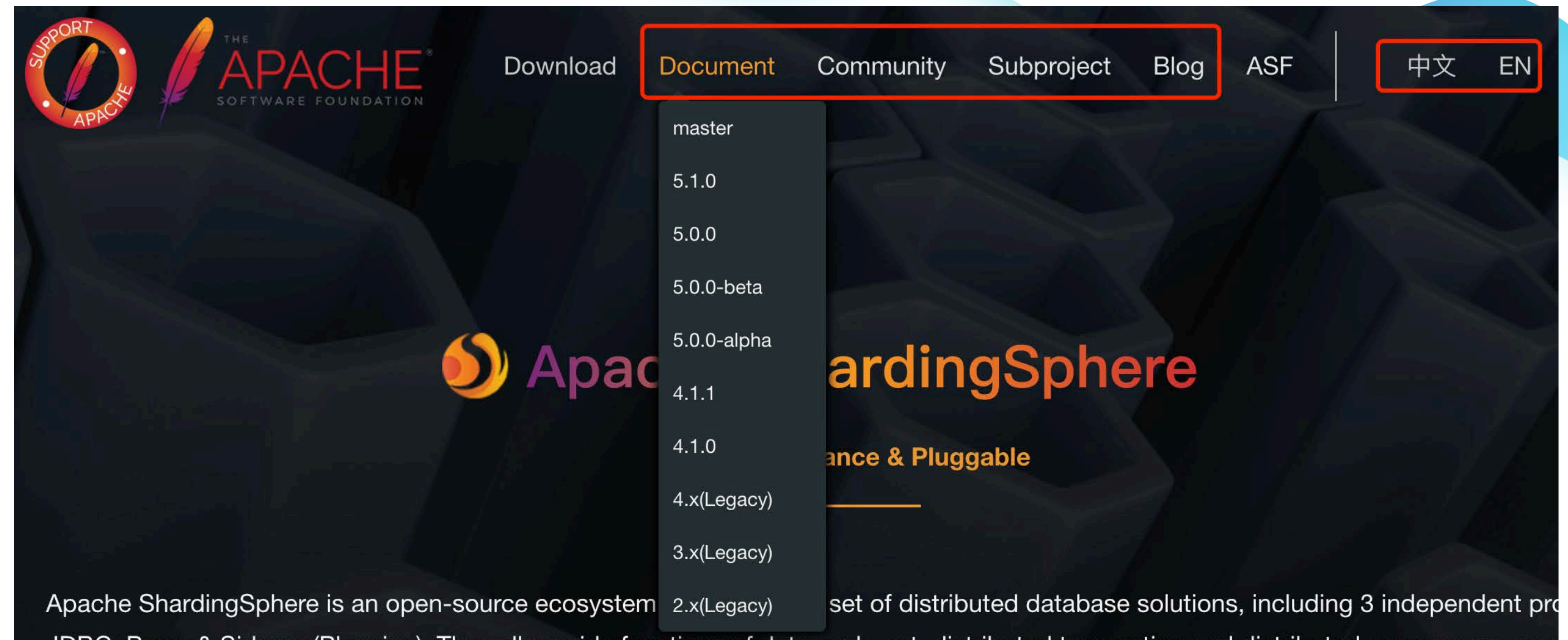
*Based on LinkedIn job postings in the USA & Europe*





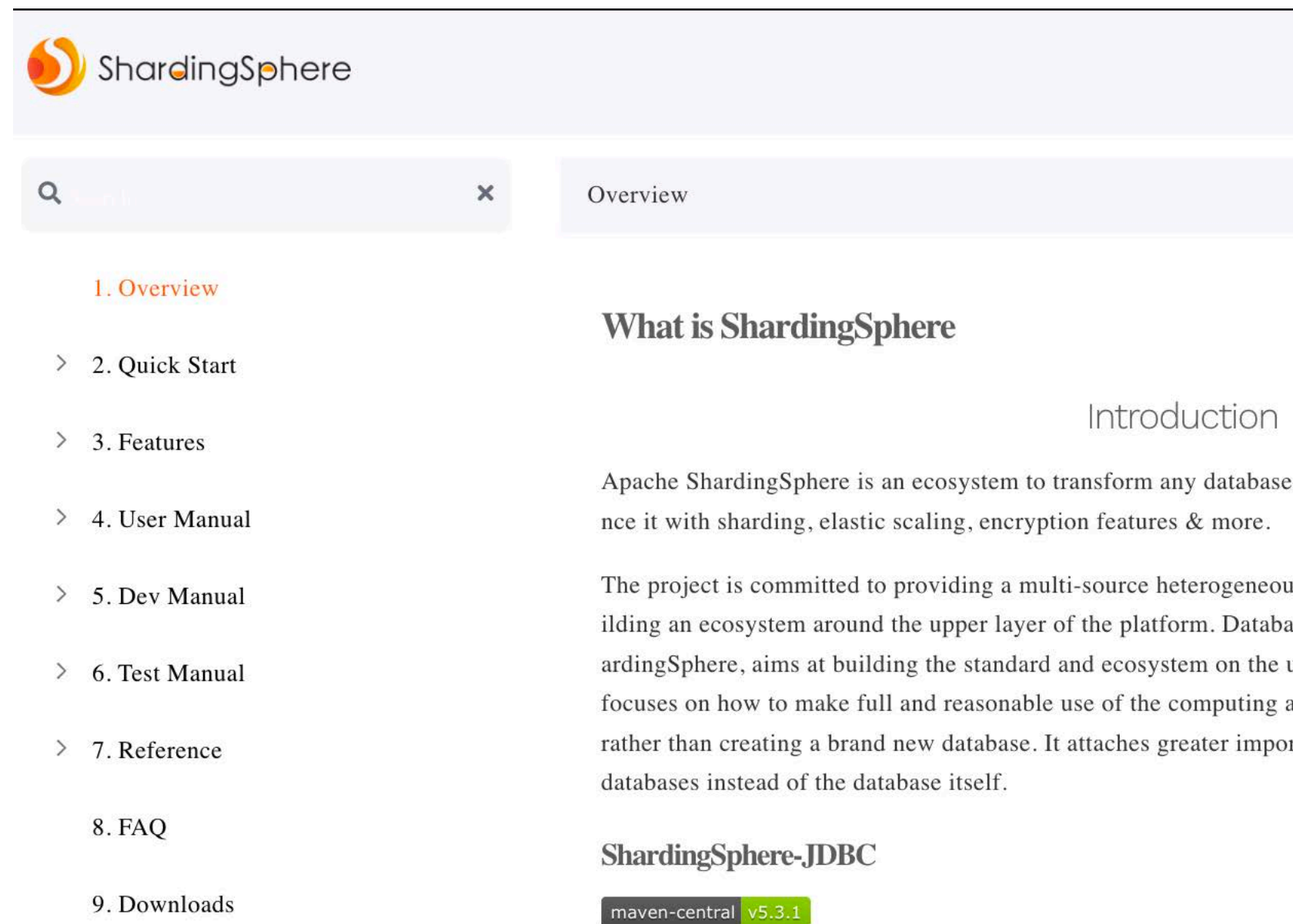
## Asset-Project: “The Shell”

- Fundamental: paves the road for others to understand your community/project.
  - Document
  - Code conduct
  - Articles
  - Milestone/Plan
- A path for potential users.
- A path for potential contributors.
- Long-term work





# Asset-Project: "The Shell"



The screenshot shows the ShardingSphere website. At the top left is the ShardingSphere logo. Below it is a search bar with a magnifying glass icon and a close button (x). To the right of the search bar is the word "Overview". Below the search bar is a navigation menu with the following items: 1. Overview (highlighted in orange), 2. Quick Start, 3. Features, 4. User Manual, 5. Dev Manual, 6. Test Manual, 7. Reference, 8. FAQ, and 9. Downloads. The main content area is titled "What is ShardingSphere" and includes an "Introduction" section. The text in the introduction reads: "Apache ShardingSphere is an ecosystem to transform any database into a cloud-native database with sharding, elastic scaling, encryption features & more. The project is committed to providing a multi-source heterogeneous database ecosystem around the upper layer of the platform. ShardingSphere, aims at building the standard and ecosystem on the upper layer, focuses on how to make full and reasonable use of the computing resources rather than creating a brand new database. It attaches greater importance to existing databases instead of the database itself." Below the introduction is a section titled "ShardingSphere-JDBC" with a badge that says "maven-central v5.3.1".

Learn more: <https://shardingsphere.apache.org/>

ShardingSphere - Blog

Articles

Videos

中文

## Database Plus's Embracing the Cloud: ShardingSphere-on-Cloud Solution Released

As a follower of the Database Plus development concept, ShardingSphere has successfully passed production environment tests across multiple industries and gained popularity among community enthusiasts. As Kubernetes has become the de facto standard for container orchestration, the cloud-native concept has gone from a niche to a mainstream.

## DistSQL Applications: Building a Dynamic Distributed Database

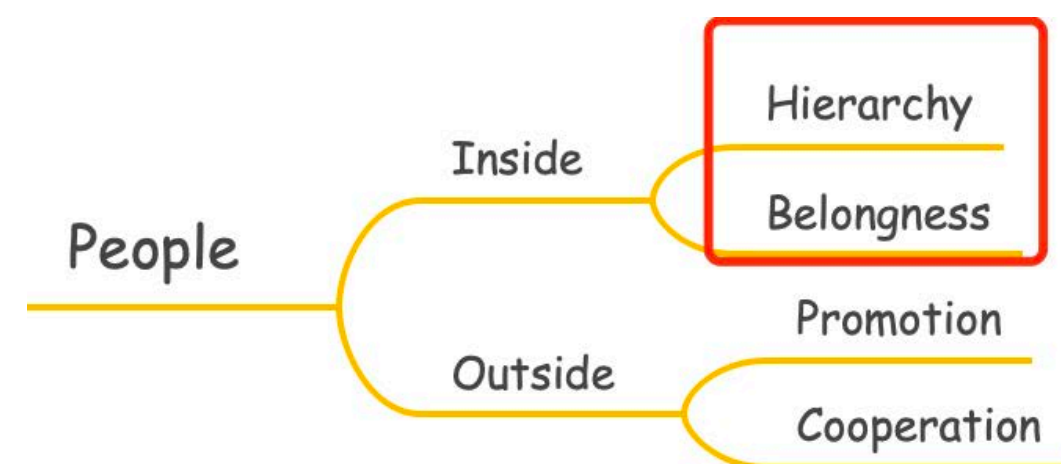
Background Ever since the release of ShardingSphere 5.0.0, DistSQL has been providing strong dynamic management capabilities to the ShardingSphere ecosystem. Thanks to DistSQL, users have been empowered to do the following: Create logical databases online. Dynamically configure rules (i.e. sharding, data encryption, etc.).

## User Case: China Unicom Digital Technology - Ensuring Stability, Efficiency, and Replicability at Scale

# Asset-Participants: Inside

## The Apache Way:

- Community over code.
- Earned authority.
- Open communication.



### BRIEFING: THE APACHE WAY

Ask The Apache Software Foundation's 800+ Members about The Apache Way and you'll get as many answers as to what it is. In fact, we surveyed the greater Apache user and developer community and were fascinated with their responses

#### "THE APACHE WAY TO ME..."

"Openness, meritocracy"

—Attila Bukor, 15 year user of Apache HTTP Server, Maven, Hadoop, Kudu, ZooKeeper, PonyMail, Whimsy, and committer to Apache Kudu, Hadoop, HBase, Kafka, ZooKeeper, Hive, Impala, Sentry

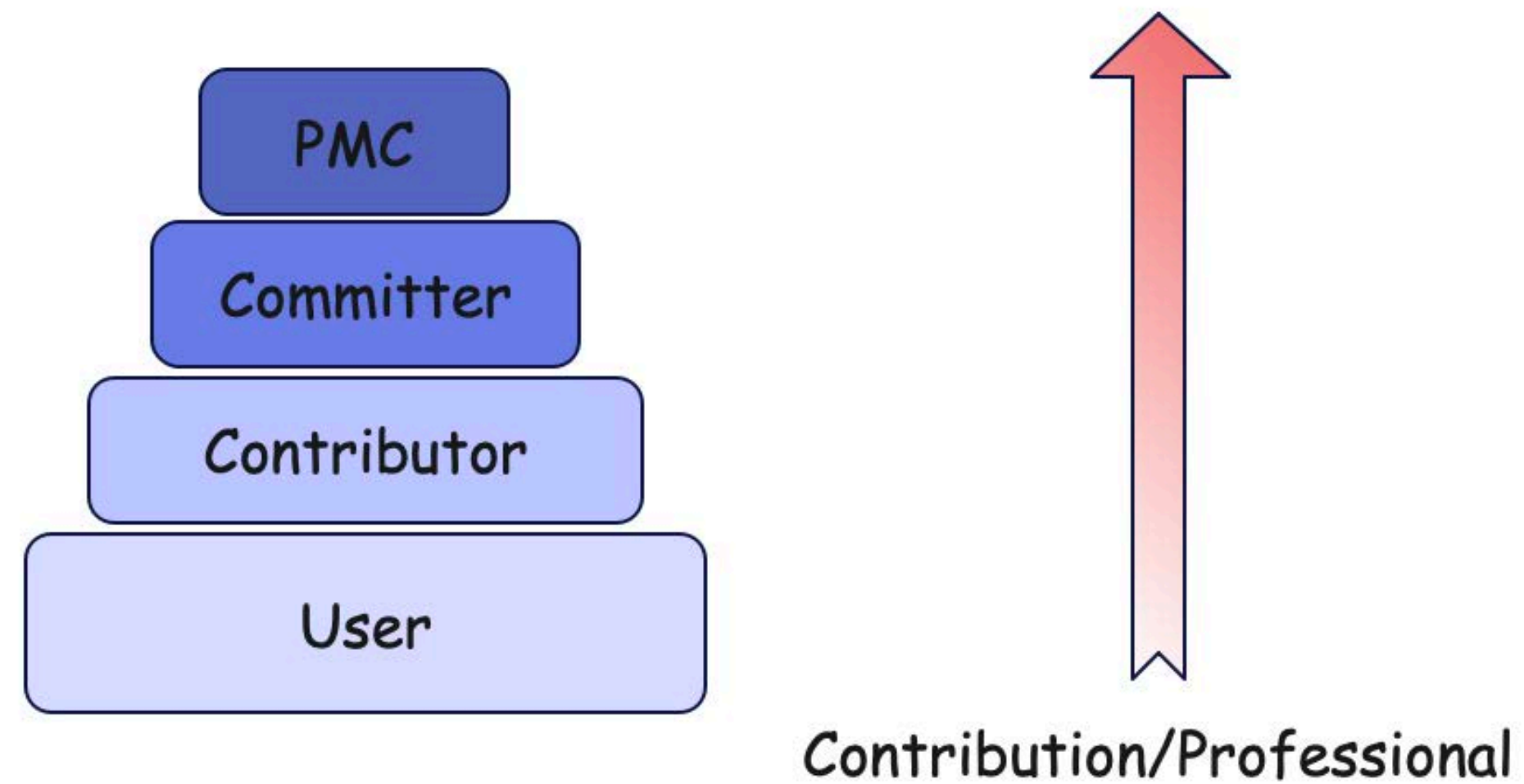
#### WHAT MAKES THE APACHE WAY SO HARD TO DEFINE?

The Apache Way is a living, breathing interpretation of one's experience with our community-led development process. Apache projects and their communities are unique, diverse, and focused on the activities needed at a particular stage of the project's lifetime, including nurturing communities, developing great code, and building awareness. What is important is that they embrace:

- **Earned Authority:** all individuals are given the opportunity to participate, but their influence is based on publicly earned merit – what they contribute to the community. Merit lies with the individual, does not expire, is not influenced by employment status or employer, and is non-transferable (merit earned in one project cannot be applied to another). [More on merit.](#)
- **Community of Peers:** individuals participate at the ASF, not organizations. The ASF's flat structure dictates that roles are equal irrespective of title, votes hold equal weight, and contributions are made on a volunteer basis (even if paid to work on Apache code). The Apache community is expected to treat each other with respect in adherence to our [Code of Conduct](#). Domain expertise is appreciated; Benevolent Dictators For Life are disallowed. [More on individual participation.](#)
- **Open Communications** as a virtual organization, the ASF requires all communications related to code and decision-making to be publicly accessible to ensure asynchronous collaboration, as necessitated by a globally-distributed community. Project mailing lists are archived, publicly accessible, and include:



## »» Asset-Participants: Inside



### How to join?

- Coding, Test, Document, Website, community operations, etc.

### Who?

- Student, developer, operator, designer, translator, etc.

### Why?

- Build skills
- Reputation building
- For fun
- Socialization
- New career

## Re: [DISCUSS] Graduate Apache AGE Incubating as a Top Level Project

panjuan@apache.org



Trista Pan 2021-12-29 22:31

发至 general@incubator.apache.org; 抄送 general@incubator.apache.org

(此邮件由 hannkenn@163.com 代发)



详情

Hello,

After going through all the updates of this thread, here are some inputs from me,

1. PPMC voting, a NOTICE to board is needed.
2. Apache Dockerhub, a conclusion or voting result from the community is the prerequisite to ask for helps from Apache infra next.
3. It's necessary to keep Apache community independent from business.
4. The committer bar is primarily up to the community itself. The purpose of committer bar is to activate the community and encourage contributors. High bar discourages people, while sloppy one will cause the lowest motivation for the community.
5. Contributor or committer is not required to be the professional geeks. Any effort, time, or activities that help the community sustain or develop are counted. However, please present these contributions in public or onlist as much as possible.
6. It's firmly suggested to invite your mentors for this worthwhile but hard incubator process.



Apache ShardingSphere @ShardingSphere · Dec 14, 2021

Our community is joining PGConf Asia!

Check out the schedule if you're interested in everything [#PostgreSQL](#) 📌

[2021.postgresconf.cn/en](https://2021.postgresconf.cn/en)

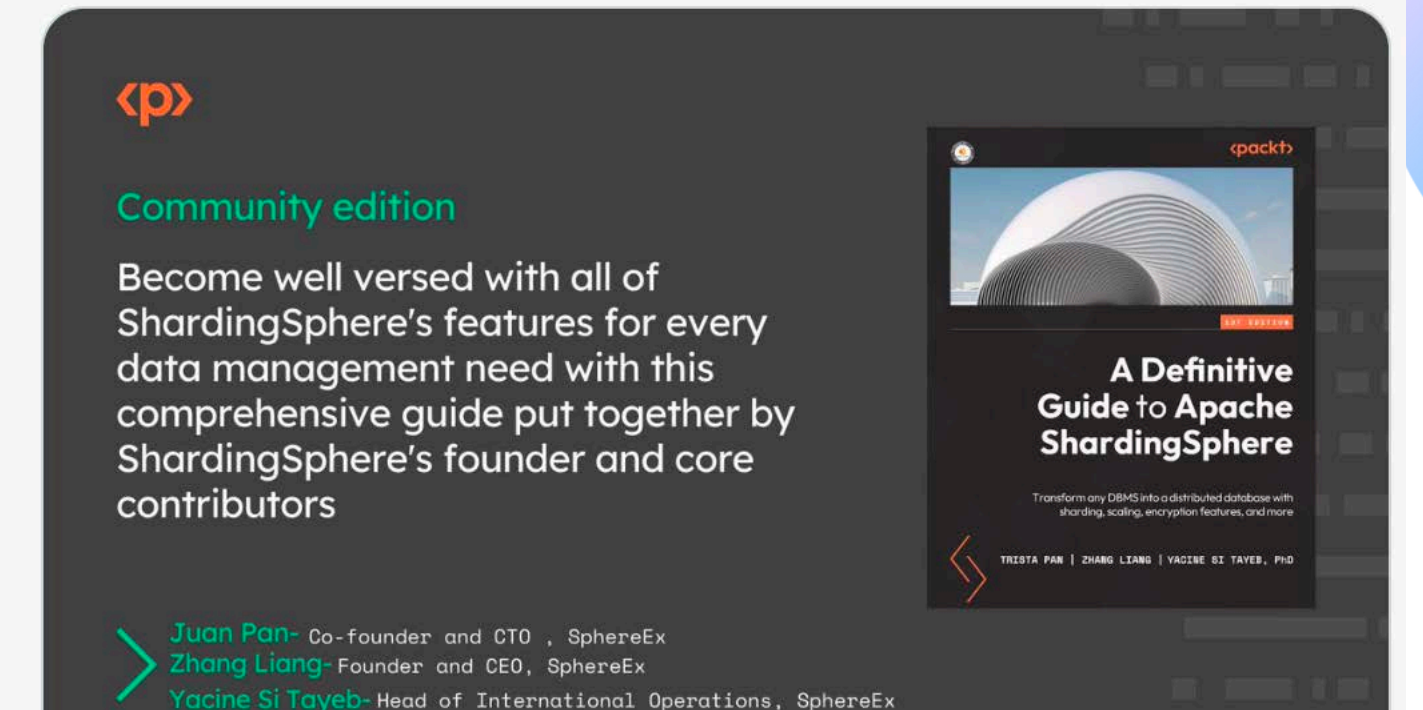
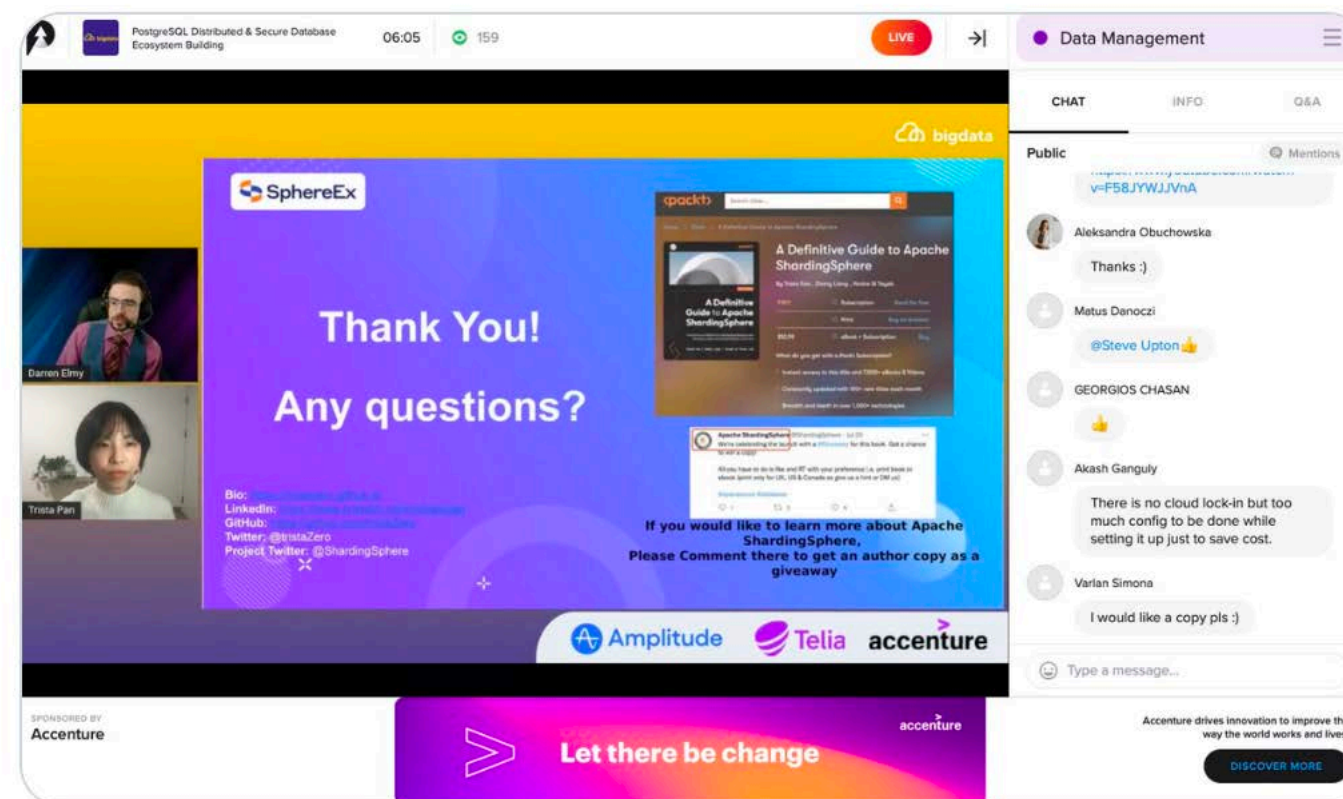
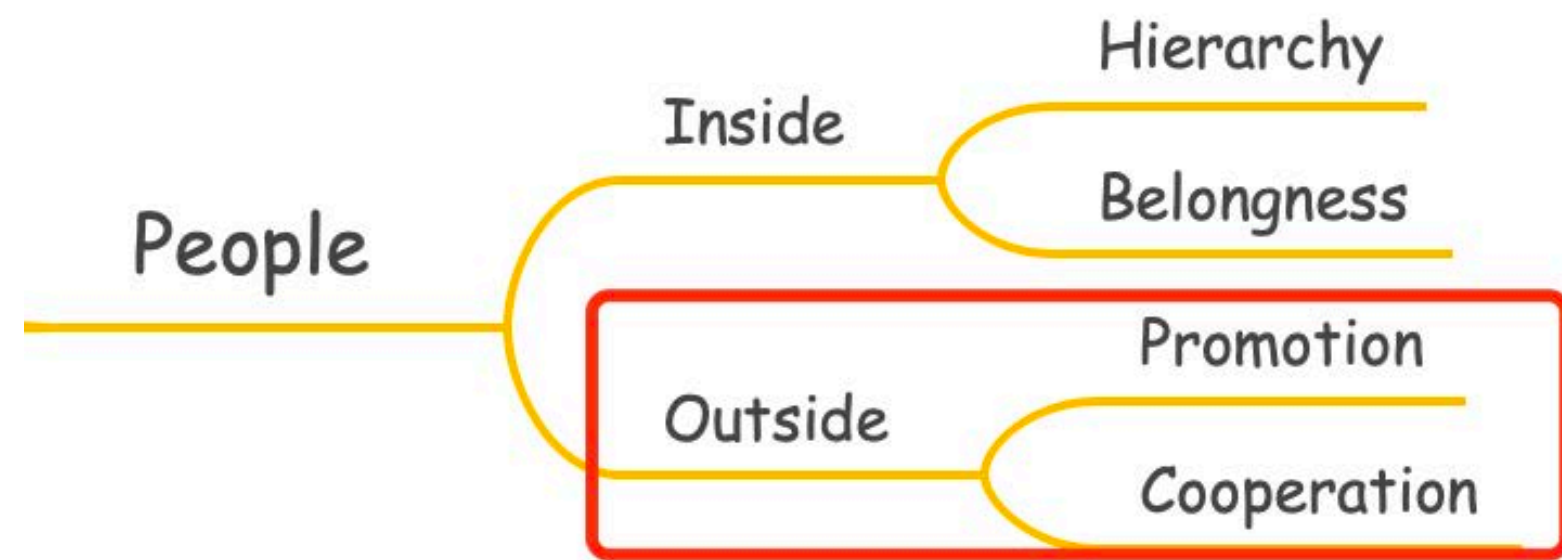
[#pgconfasia](#) [#postgres](#) [#OpenSource](#) [#Databases](#) [#SQL](#) [#Kubernetes](#)





# Asset-Participants: Outside

- Channels for connection: social media, Slack, blog, Medium long form articles
- More promotion means more influence, more cooperation, and ultimately more possibilities





# Example Partners:

**Edward J. Yoon** 2:15 PM

Hey community, I just wanted to share with you. ShardingSphere is now being used in real production service at Yogiyo.

<https://techblog.yogiyo.co.kr/%EC%A3%BC%EB%AC%B8%EC%84%9C%EB%B9%84%EC%8A%A4-shardingsphere-proxy-%EB%8F%84%EC%9E%85%EA%B8%B0-46d83084586b>

**Medium**

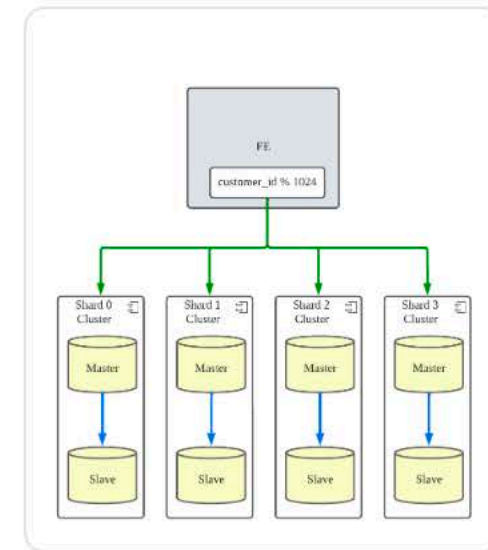
## 주문서비스 ShardingSphere-Proxy 도입기

안녕하세요. 요기요 R&D Center에서 주문 서비스인 Orderyo를 개발하고 있는 Backend Developer 김병철입니다. 이번에 Apache ShardingSphere를 요기요 주문 서비스에 도입했는데, 간략한 설명과 함께 도입한 배경 및...

**Reading time**

15 min read

Jan 13th



4 3



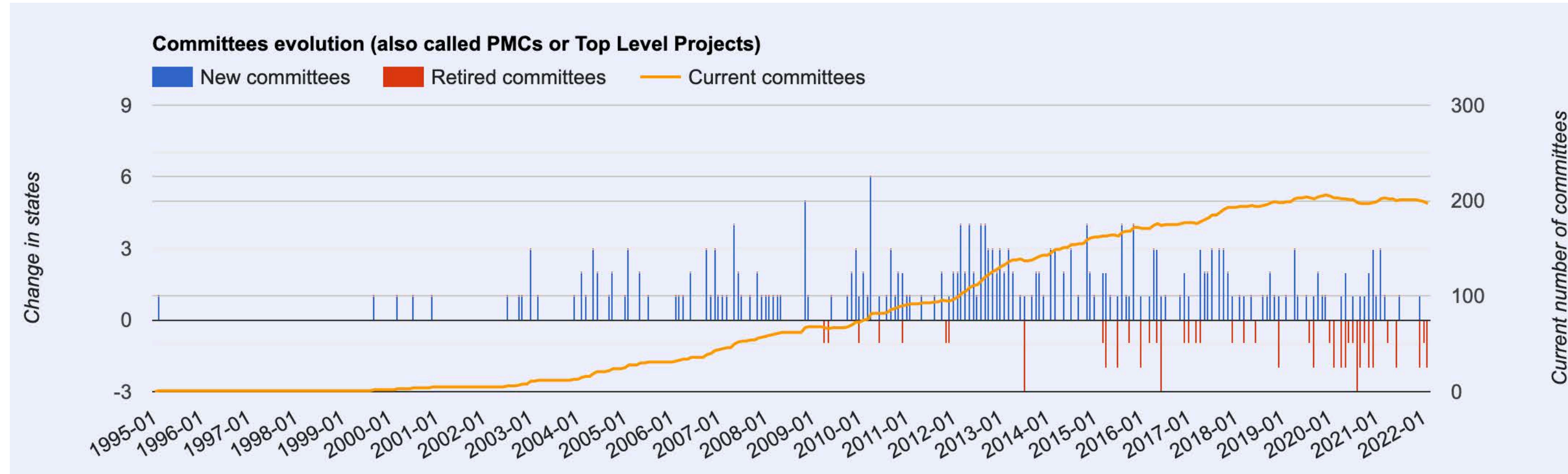
**Raigor Jiang** 2:54 PM

The screenshot shows the MySQL website's 'Customers' page for JD.com. The page includes the MySQL logo, navigation links, and a sidebar with 'Customer Overview' and 'Case Studies'. The main content area displays 'Industries' (Web: Ecommerce & Social) and a 'Blog' section with a highlighted article: 'Apache ShardingSphere x JD Baitiao: Story of an Implementation Journey'. Below that is the 'JD.com Web Site' link.

<https://www.mysql.com/customers/view/?id=1461>



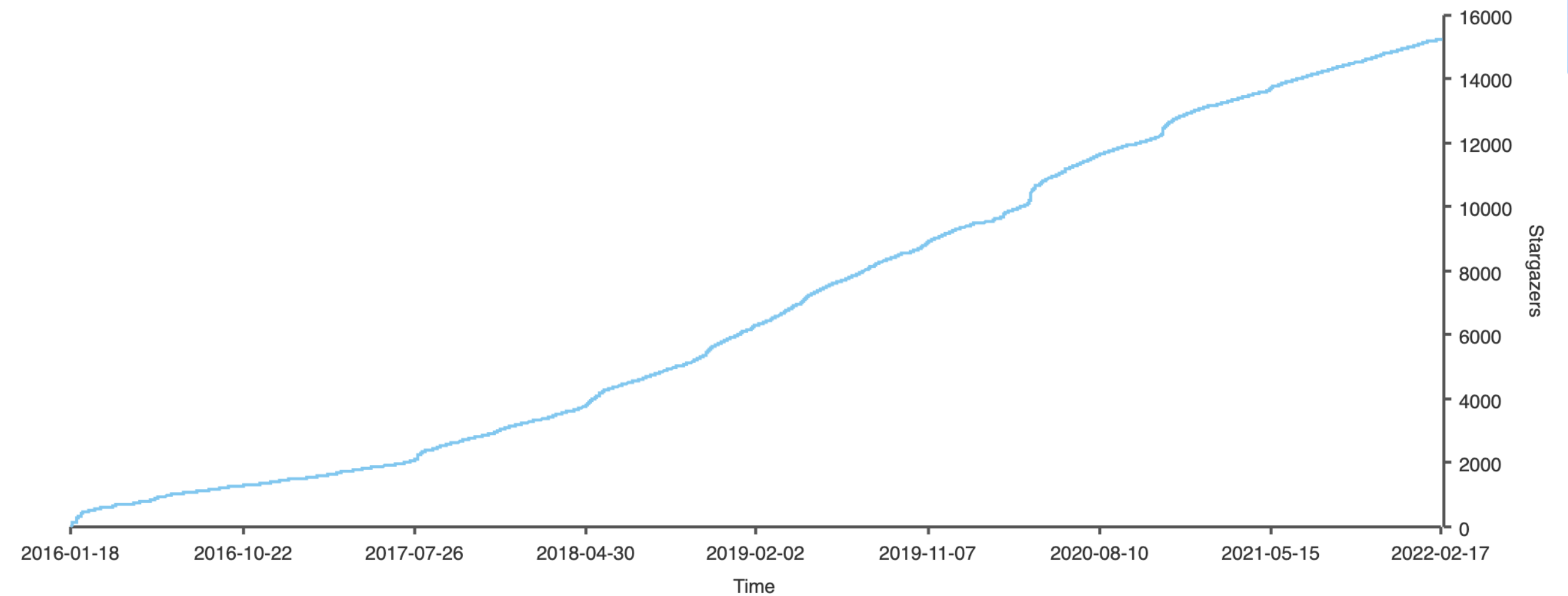
# » Persistence: Trust the Process



## Apache Projects Over the Years

Awesome! [apache/shardingsphere](#) was created 6 years ago and now has **15258** stars.

## Apache ShardingSphere GitHub Stars



# Thank You!



| SphereEx, linking data and services simply

## Trista Pan

Twitter & GitHub: @tristaZero