

Apache ServiceComb Introduction of Microservice Innovation Project

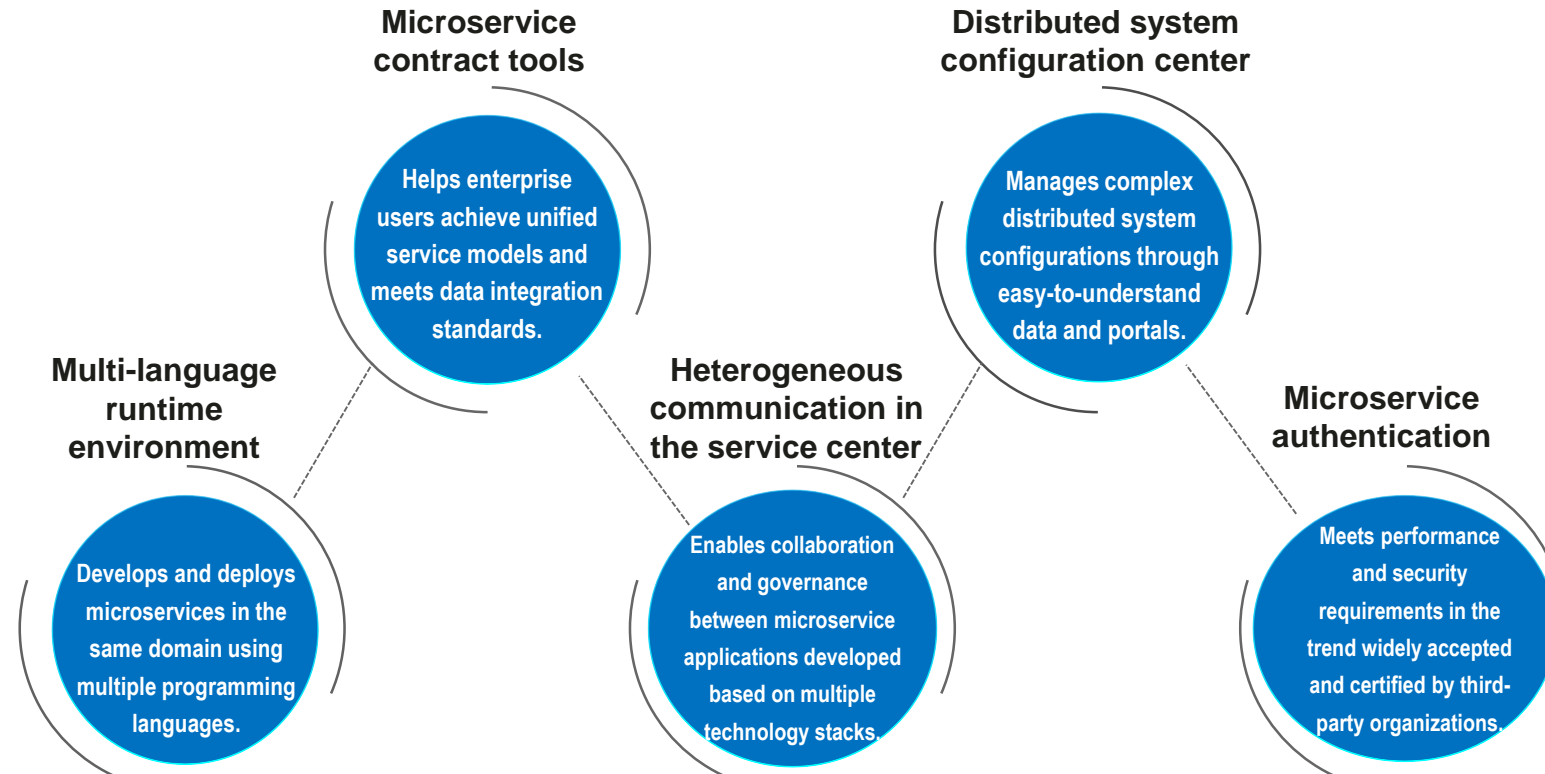


[Website] <http://servicecomb.apache.org>

[Github] <https://github.com/apache?q=servicecomb>



Continuous Innovation to Address User Pain Points



Apache ServiceComb

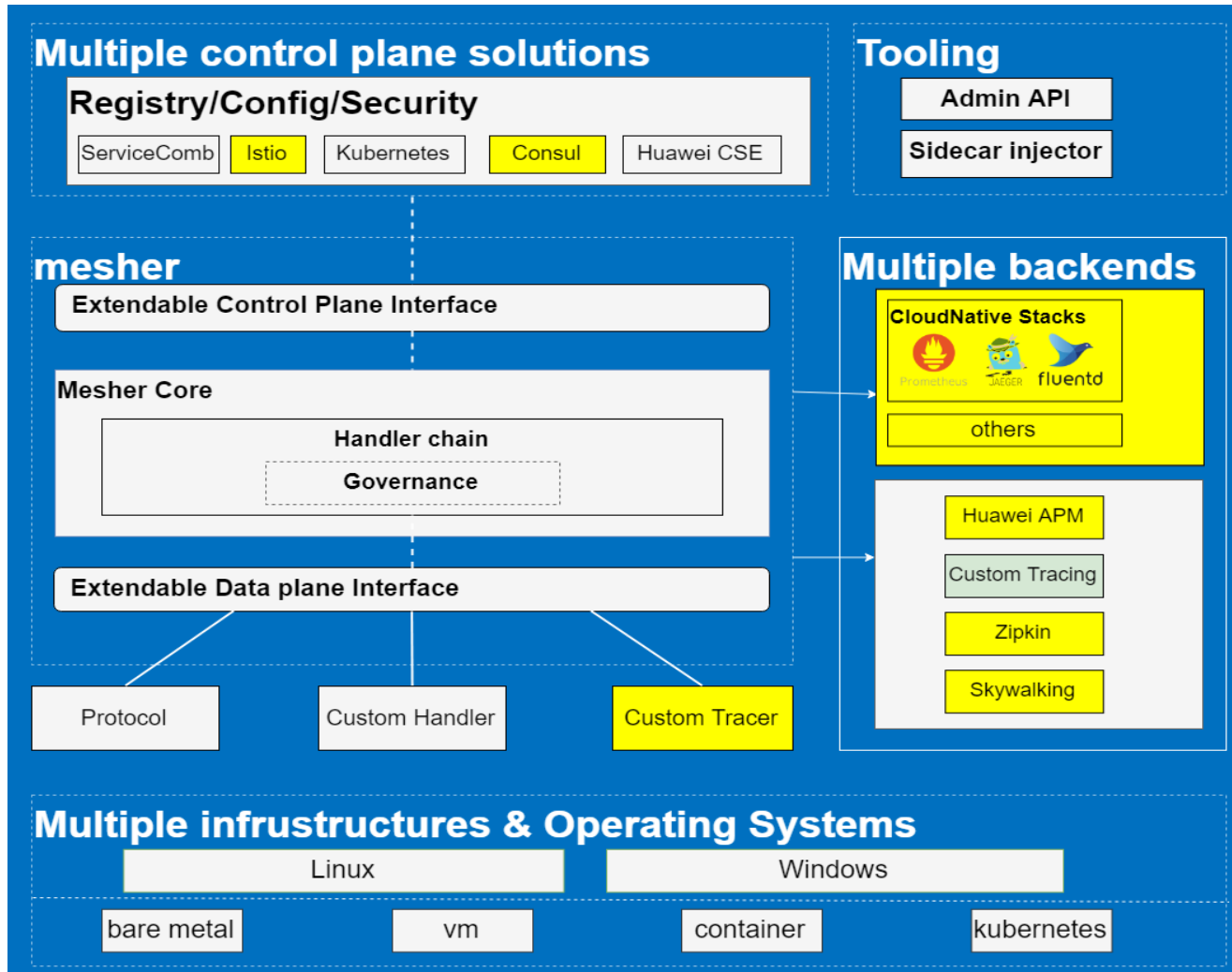


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Meshier - Heterogeneous, multilingual, non-intrusive microservice framework



A high-performance service grid framework based on Golang, supporting non-intrusive business code to implement microservice transformation, and interoperating with popular microservice framework governance.

- **Github link**

<https://github.com/apache/servicecomb-mesher>

- **Next step**

- Gateway capabilities
- Fusion ecology such as Istio/Prometheus/Skywalking/...
- Compatible with heterogeneous infrastructure such as K8S/BareMetal/docker/VM/...

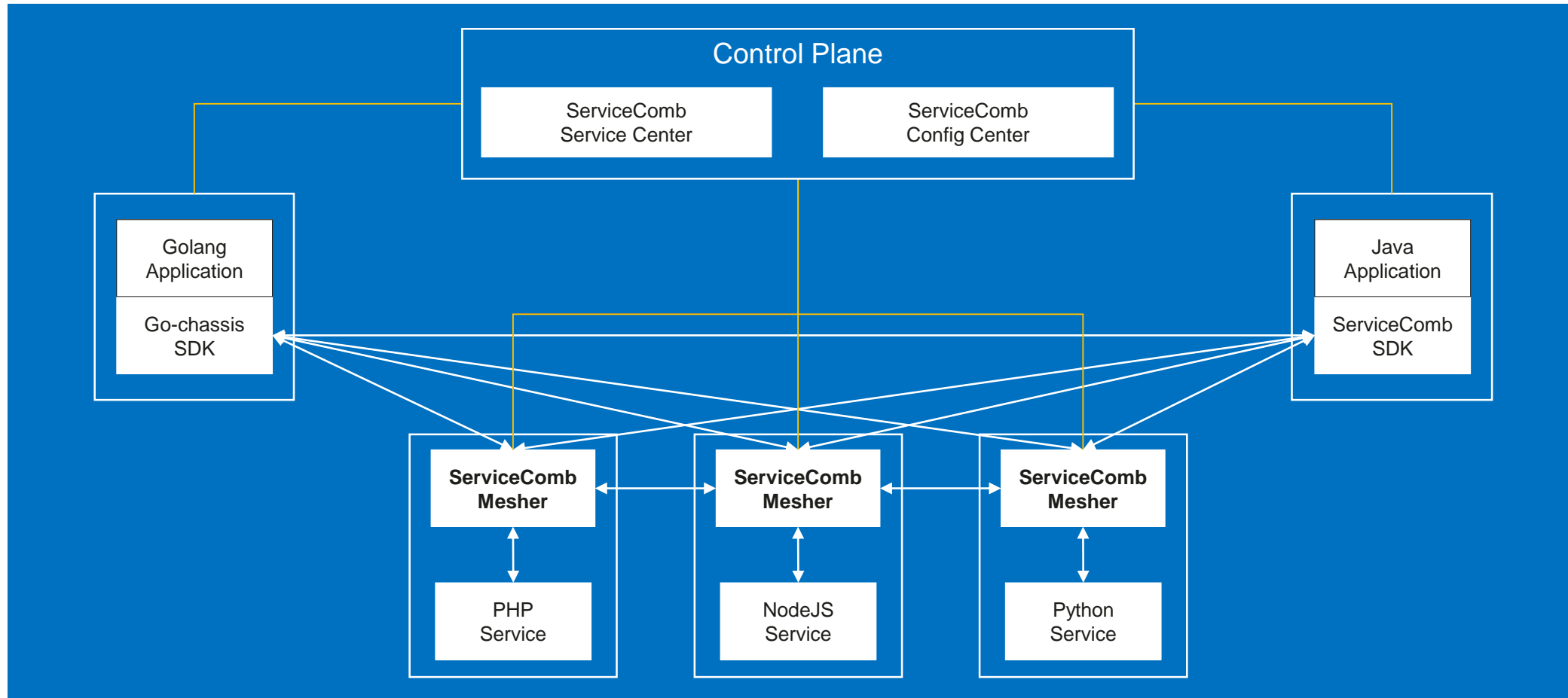


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Mesh - Evolution to microservice in multi-language scenarios



- **Quick Start**

<http://servicecomb.apache.org/cn/docs/mersher-quick-start/>

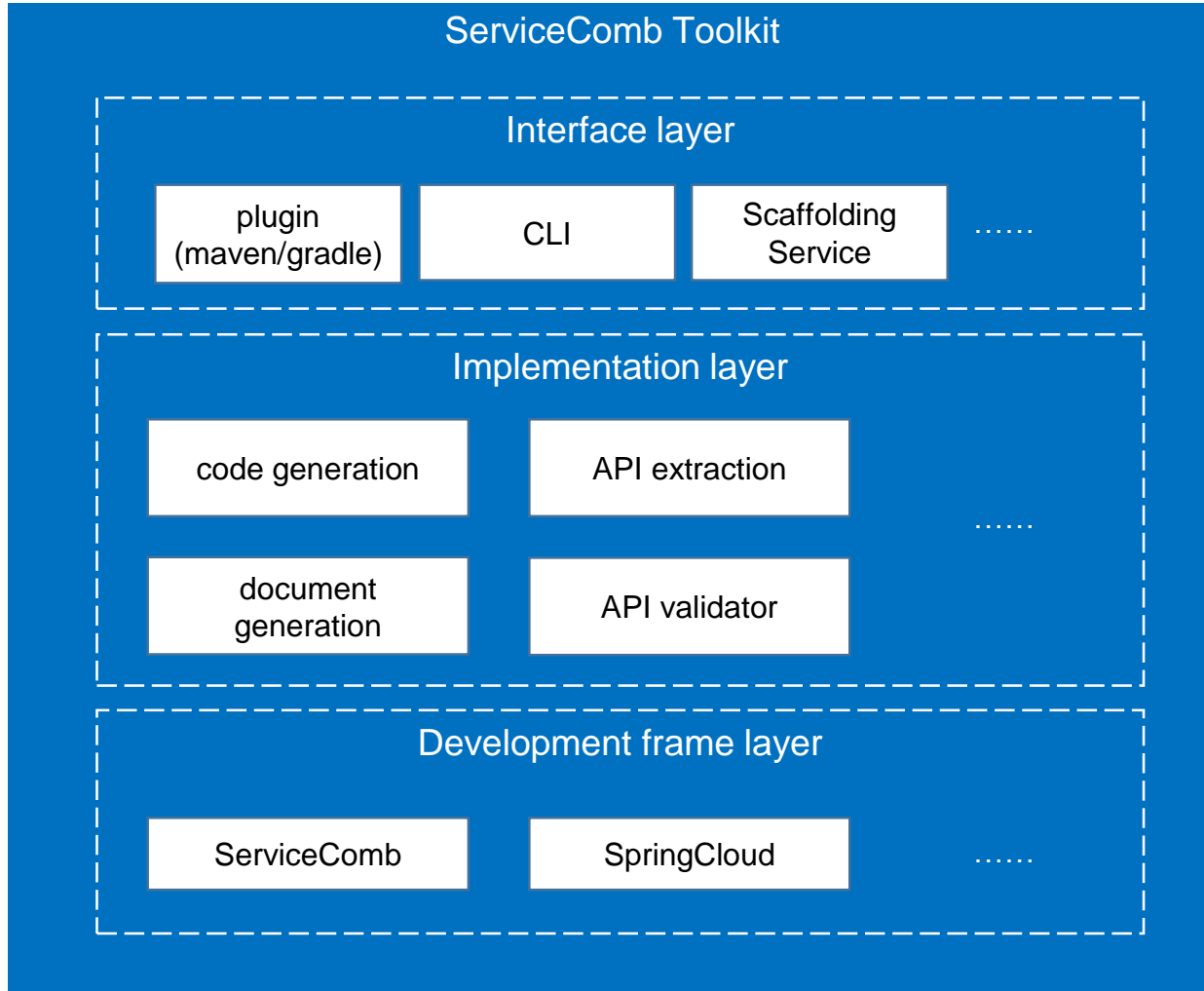


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Toolkit - Microservice development and transformation tools



Provides the ability to convert and verify API, code, and documents, helping users quickly build microservice projects based on popular microservices frameworks and popular programming models, reducing the cost of microservices entry, enabling users to focus on business development, enhance refactoring and development efficiency.

- **Github link**

<https://github.com/apache/servicecomb-toolkit>

- **Next step**

- Support one-click production microservice project based on popular microservice framework such as SpringCloud.
- Support OAI V3
- Support for toolkit plugin integration into Eclipse & IntelliJ

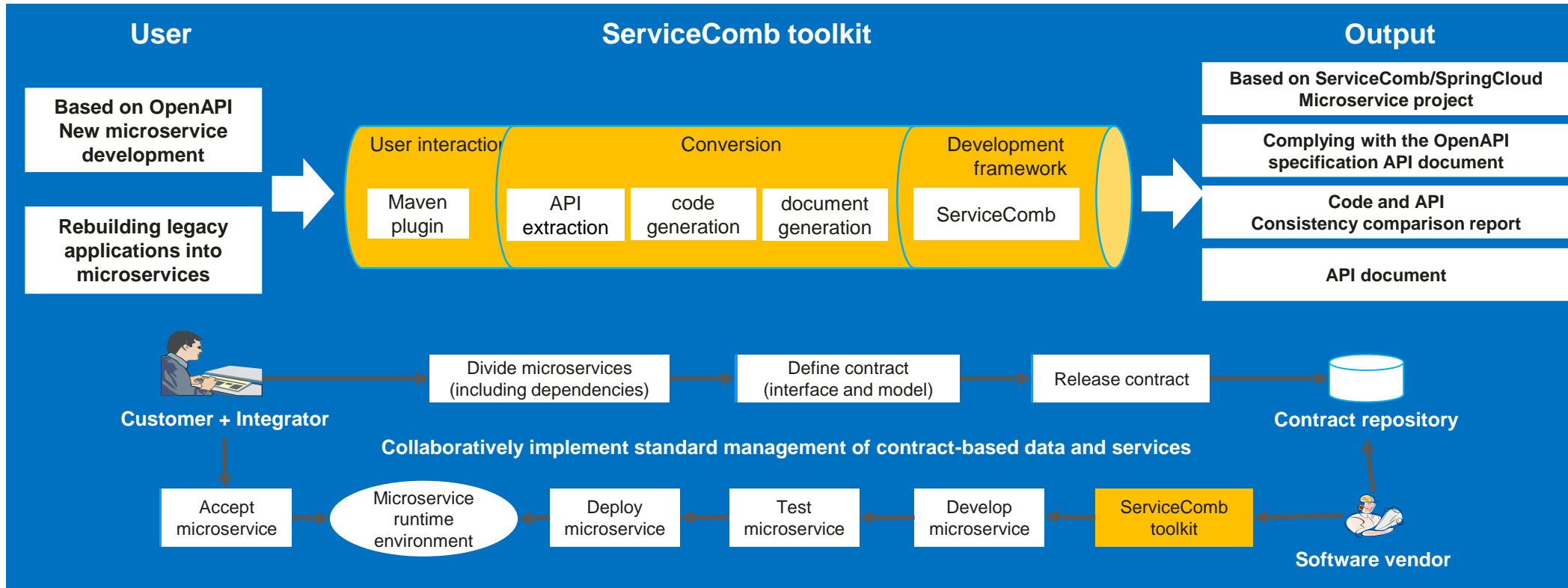


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Toolkit - One-click generation of microservice project



• Quick Start

<https://github.com/apache/servicecomb-toolkit/blob/master/samples/README-ZH.md>



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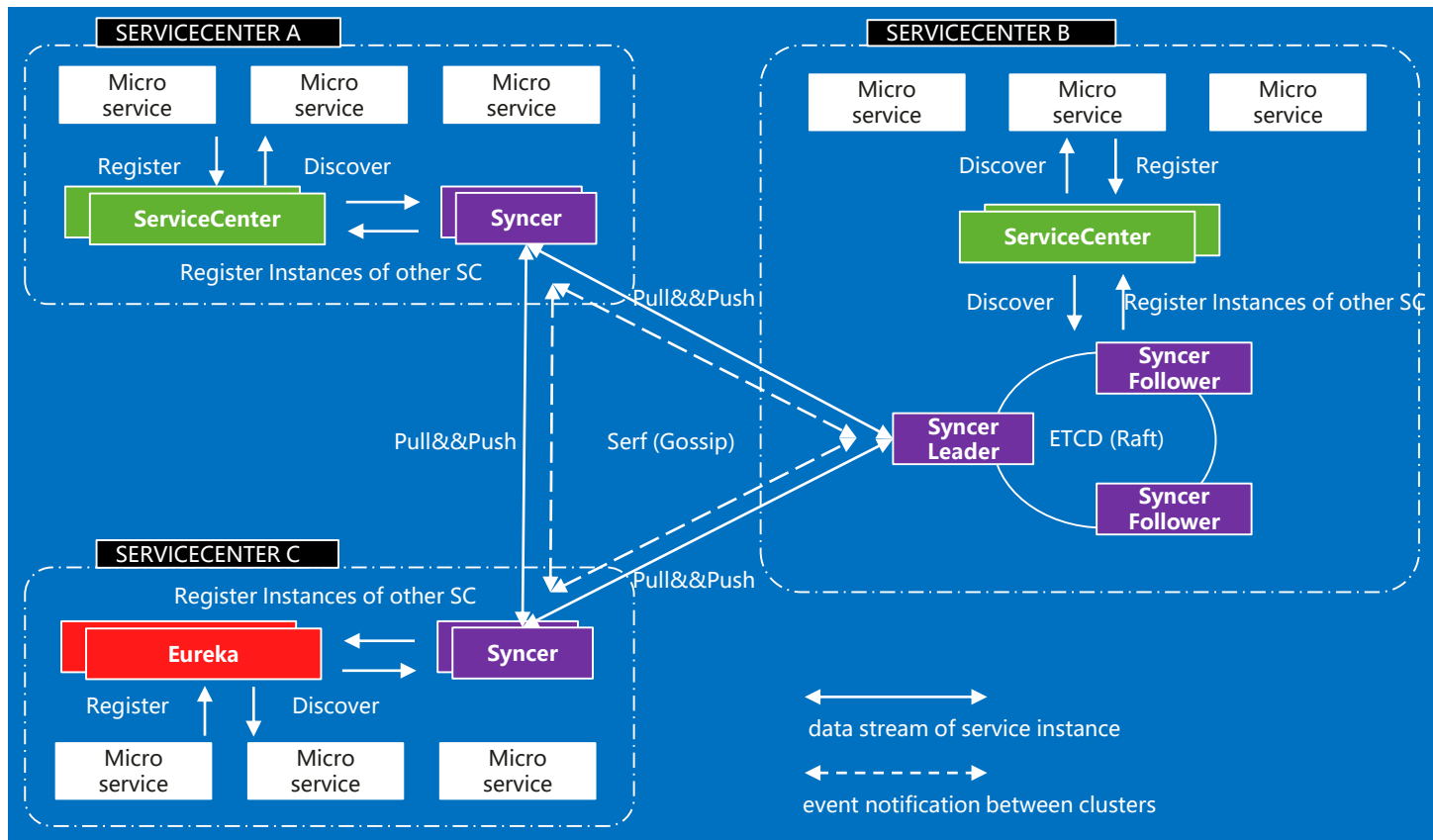




Syncer - Multi service center synchronization tool

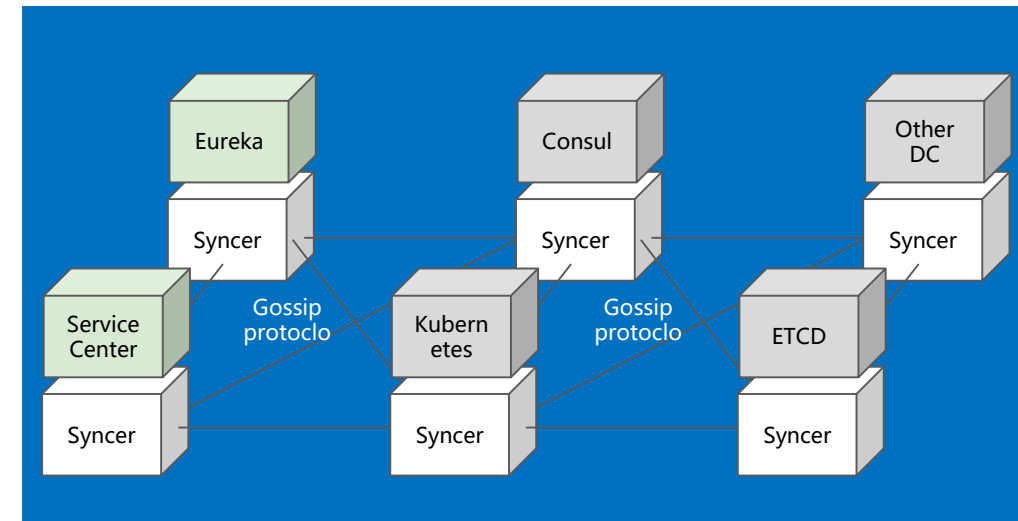
Syncer is a multi-service-center synchronization tool designed for large microservice architectures, enabling microservices developed on different technology stacks to exchange data with each other. This project will support cross-cloud data connection.

- **Github link:** <https://github.com/apache/servicecomb-service-center/tree/master/syncer>



Next step

- Support for dynamic connection clustering
- Support cross-data center capabilities
- Support connecting popular authentication framework

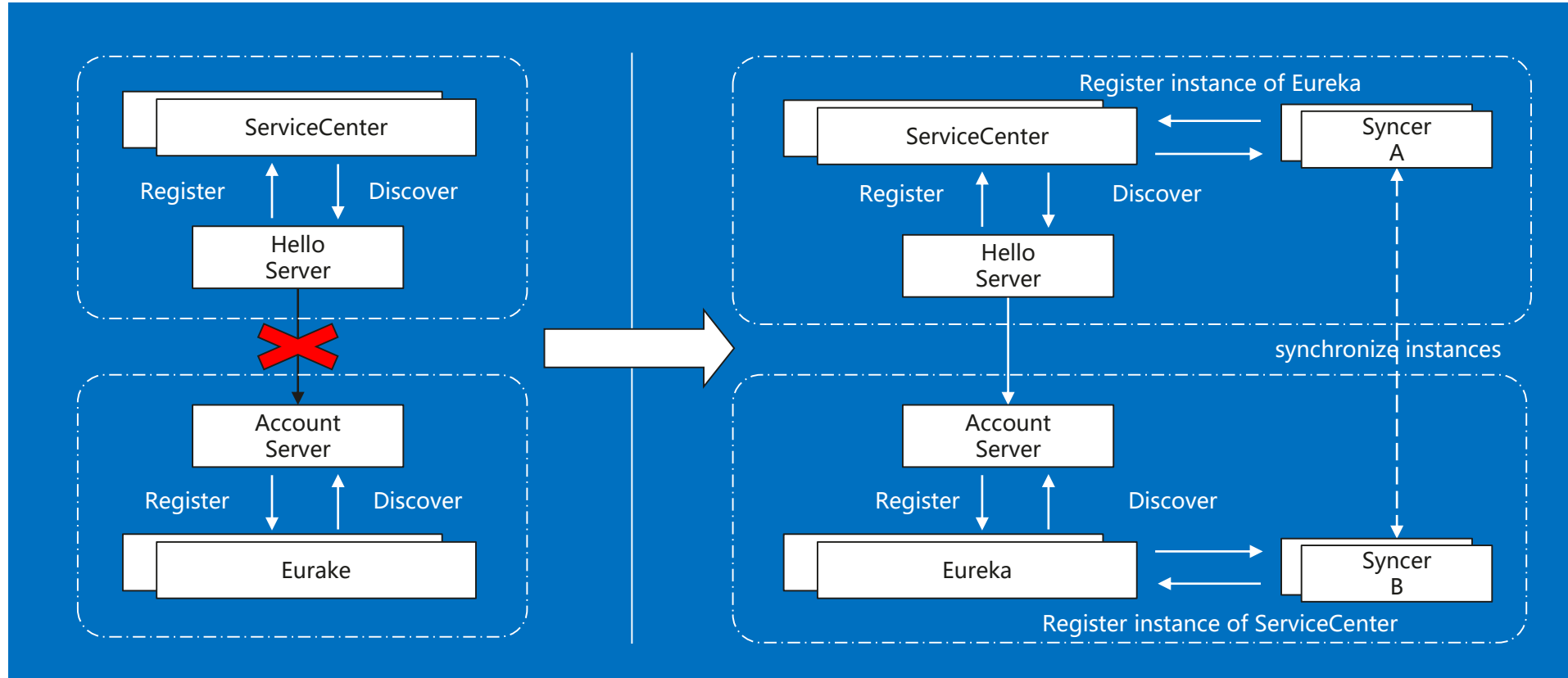


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Syncer - Heterogeneous popular service center integration practice



- **Quick Start**

<https://github.com/apache/servicecomb-service-center/tree/master/syncer/samples/multi-servicecenters>



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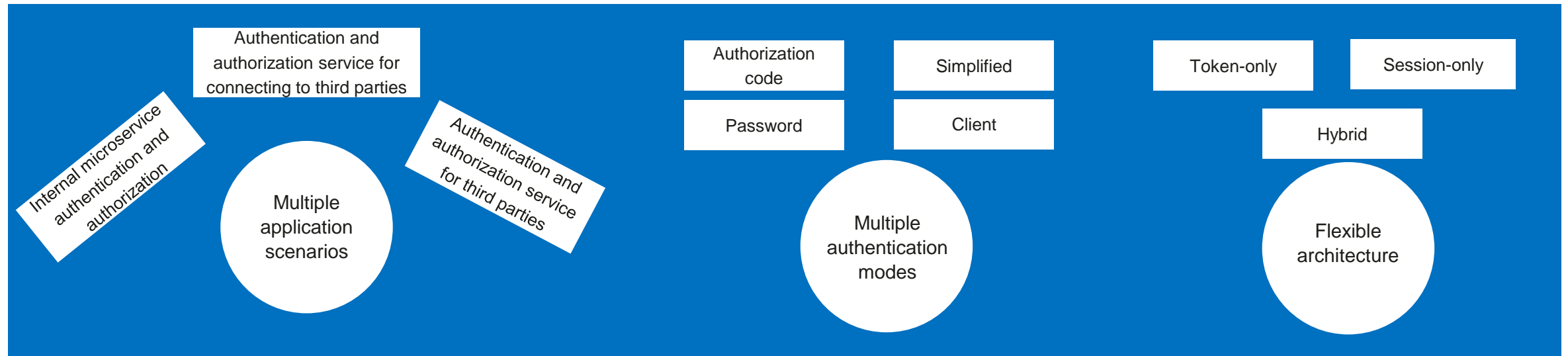




Fence - Microservice Authentication Framework

servicecomb-fence provides a microservice authentication framework based on Oauth2.0 and OpenID Connect, helping users quickly build high-performance and secure microservice authentication capabilities.

- Out-of-the-box: provides default Authentication Server, Edge Service, and Resource Server, simplifying development.
- Simplified development: allows users to configure permissions using either configuration file or Annotation, and supports separation of permission configuration from code logic.
- Third-party authentication: uses the Open ID protocol to connect to third-party authentication systems such as WeChat and Weibo.
- Secure and efficient: supports hybrid-token authentication and session-based authentication, meeting the performance and security requirements.
- **Github link:** <https://github.com/apache/servicecomb-fence>



- **Quick Start**

https://github.com/apache/servicecomb-fence/blob/master/docs/zh_CN/developersGuide.md



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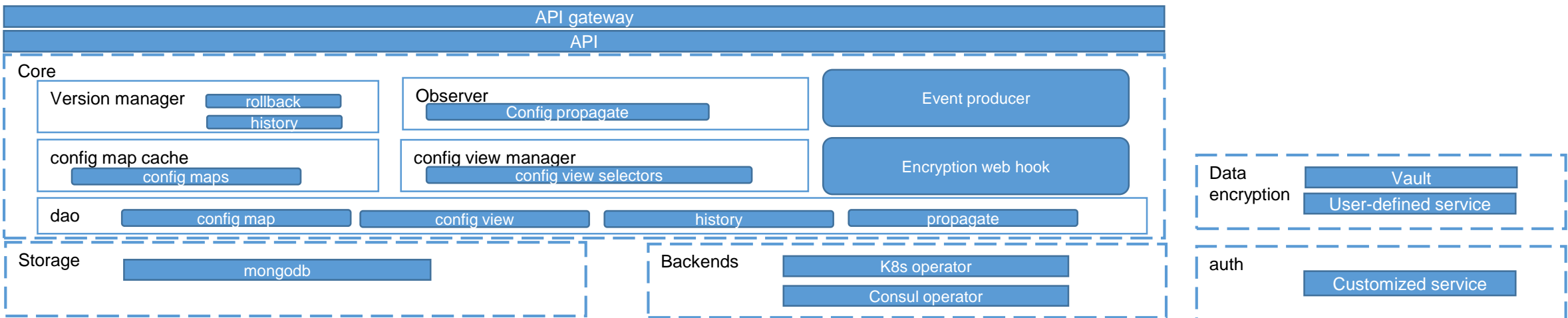
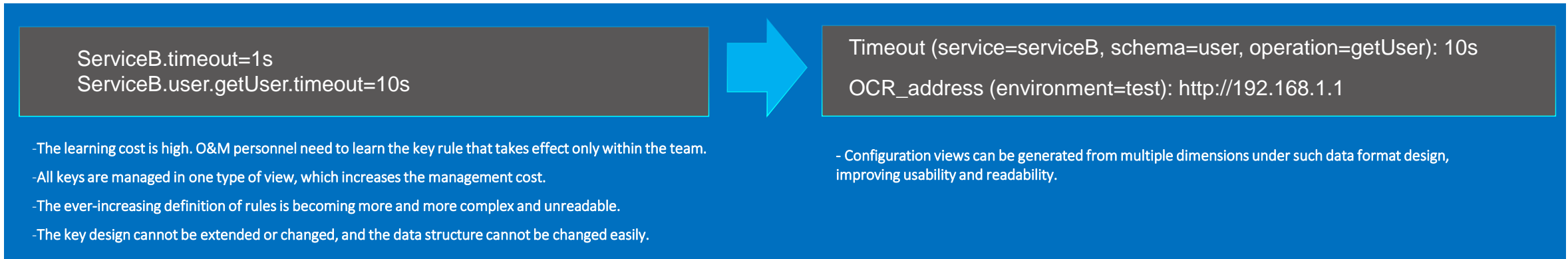




Kie - Semantic Distributed System Configuration Center

Kie is used to implement the configuration center for a cloud native distributed system, enabling O&M personnel to manage complex distributed system configurations using understandable data and portals.

- **Github link:** <https://github.com/apache/servicecomb-kie>



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Open-Source, One-Stop Microservice Solution



Legacy Application Transformation



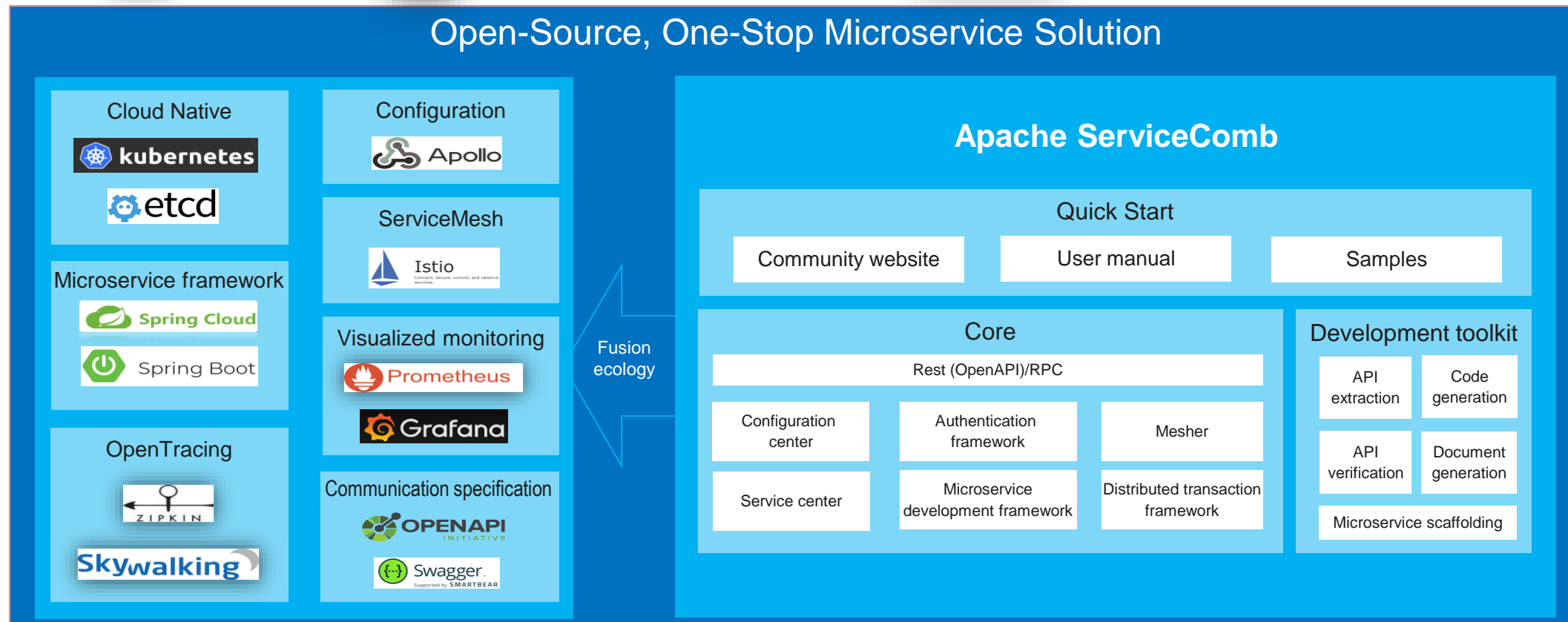
New Microservice Development



Ecosystem Compatibility



Open-Source, One-Stop Microservice Solution



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Community summoned

For users

Choosing Apache ServiceComb, we will take your approach to **WeChat Group/Github Issue/MailGroup** seriously:

Every question

Every suggestion

We look forward to working with you to build a community and persevere to solve the microservice problem.

For developers

Expert / is already a microservice developer / is about to join the microservice developer / developer who is simply seeking open source contributions / scholar / student /... and so on,

We look forward to your joining and contribution,

If you are ready to contribute code, please **scan the QR code** into the group and **note the "contribution"**.

We will work with you **on a one-on-one basis**.



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Thank you.



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把数字世界带入每个人、每个家庭、
每个组织，构建万物互联的智能世界。

Bring digital to every person, home and
organization for a fully connected,
intelligent world.

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