

# Hyperledger Projects

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# About Me

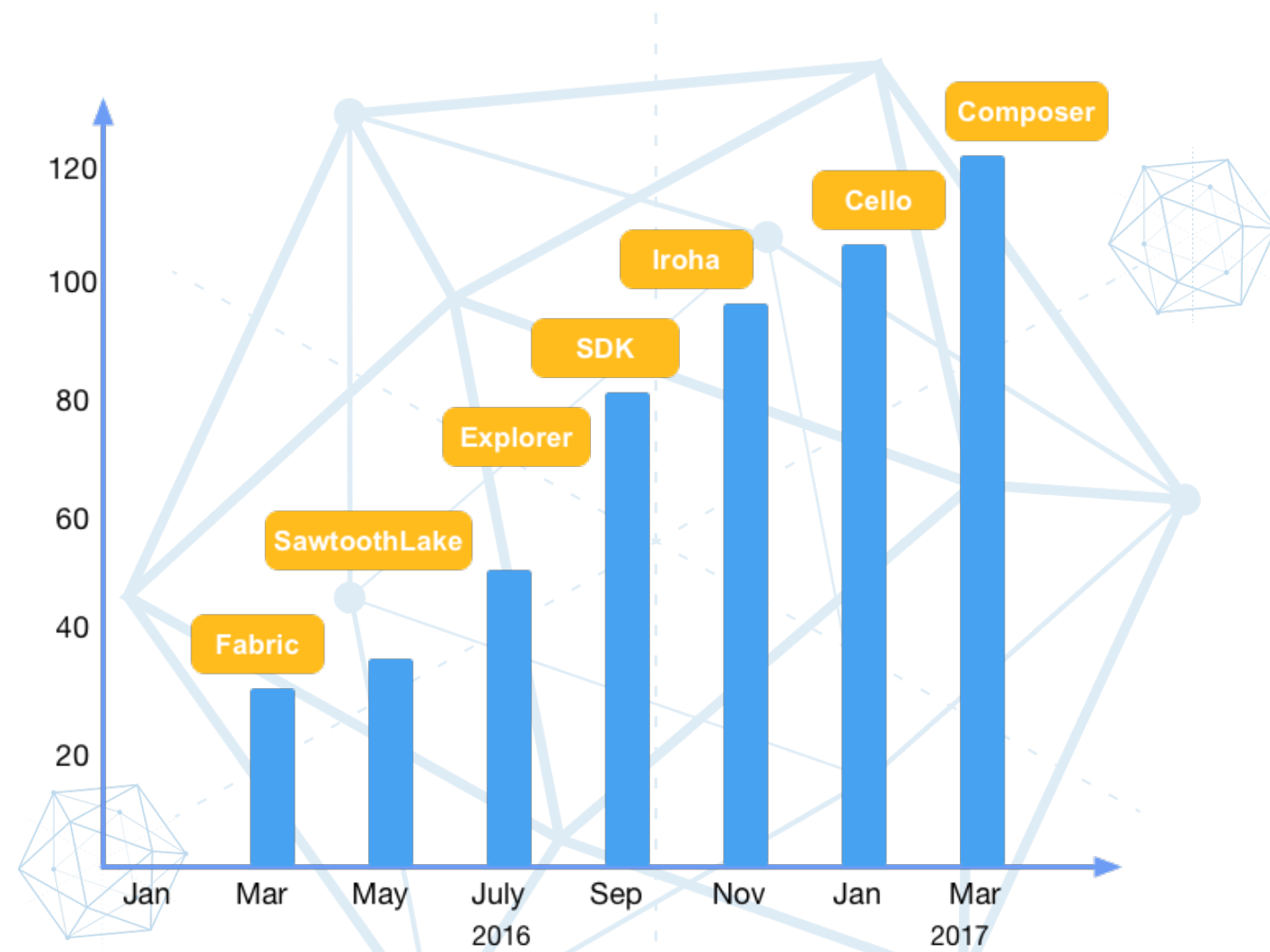
- **Researcher in IBM**
  - Fintech, Cloud and Analytics
- **Open-Source contributor**
  - [Hyperledger](#), [OpenStack](#), [OpenDaylight](#), etc.
- **Hyperledger developer**
  - Code committer to [fabric](#), [sdk](#), [Cello](#) etc.
  - PTL of [Cello](#) project and [fabric-sdk-py](#) project
  - Chair of [Hyperledger Technical Working Group China](#)
  - Drafter of [fabric sdk spec](#) and [multi-channel consensus spec](#)



# Hyperledger Projects

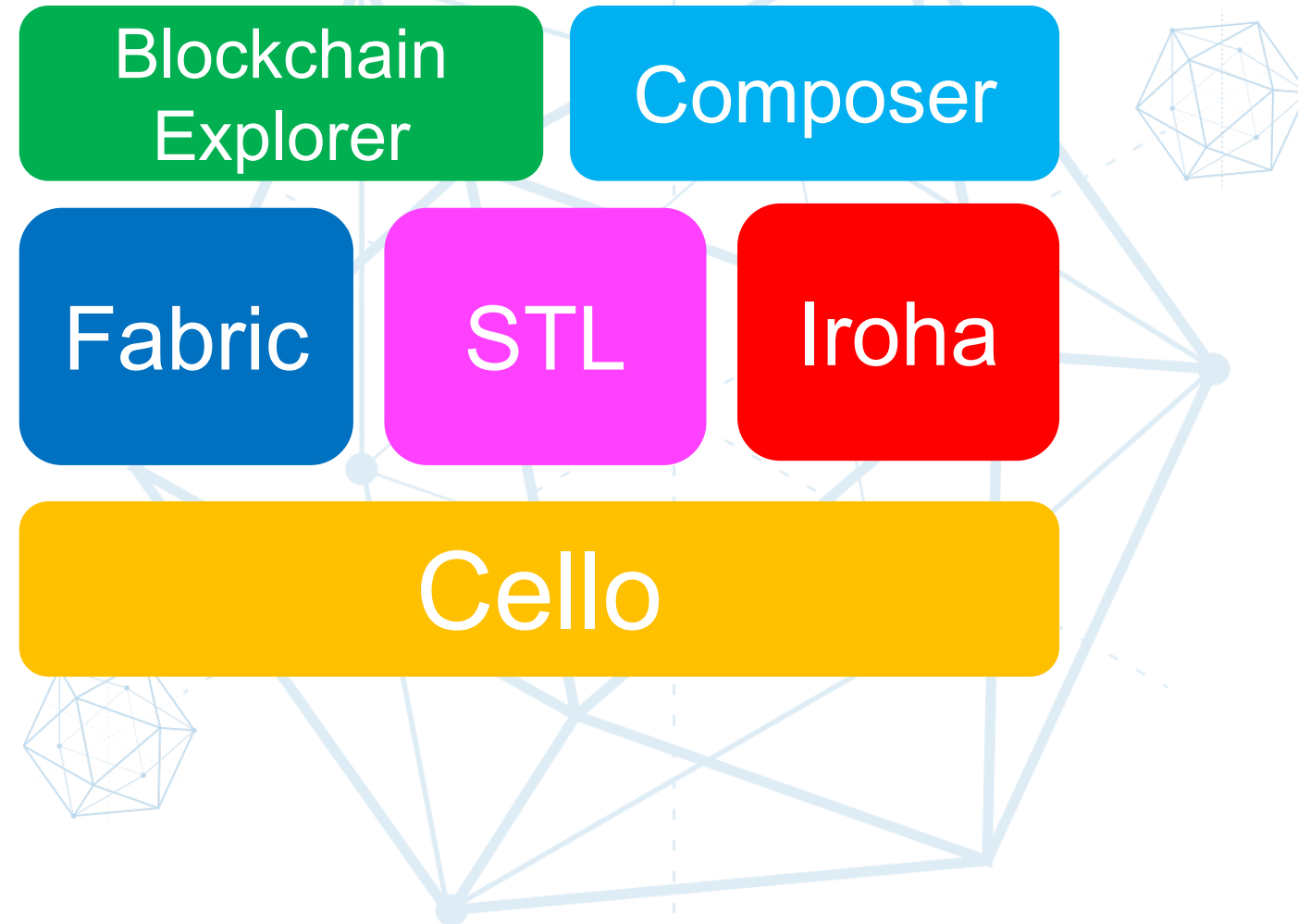
- Since Dec 17, 2015
- [Apache v2 License](#)
- 30 founded members
- 30/129 (China) members
- 6 top projects
- 200+ contributors
- 9000+ commits

Enterprise grade, open source  
distributed ledger framework!



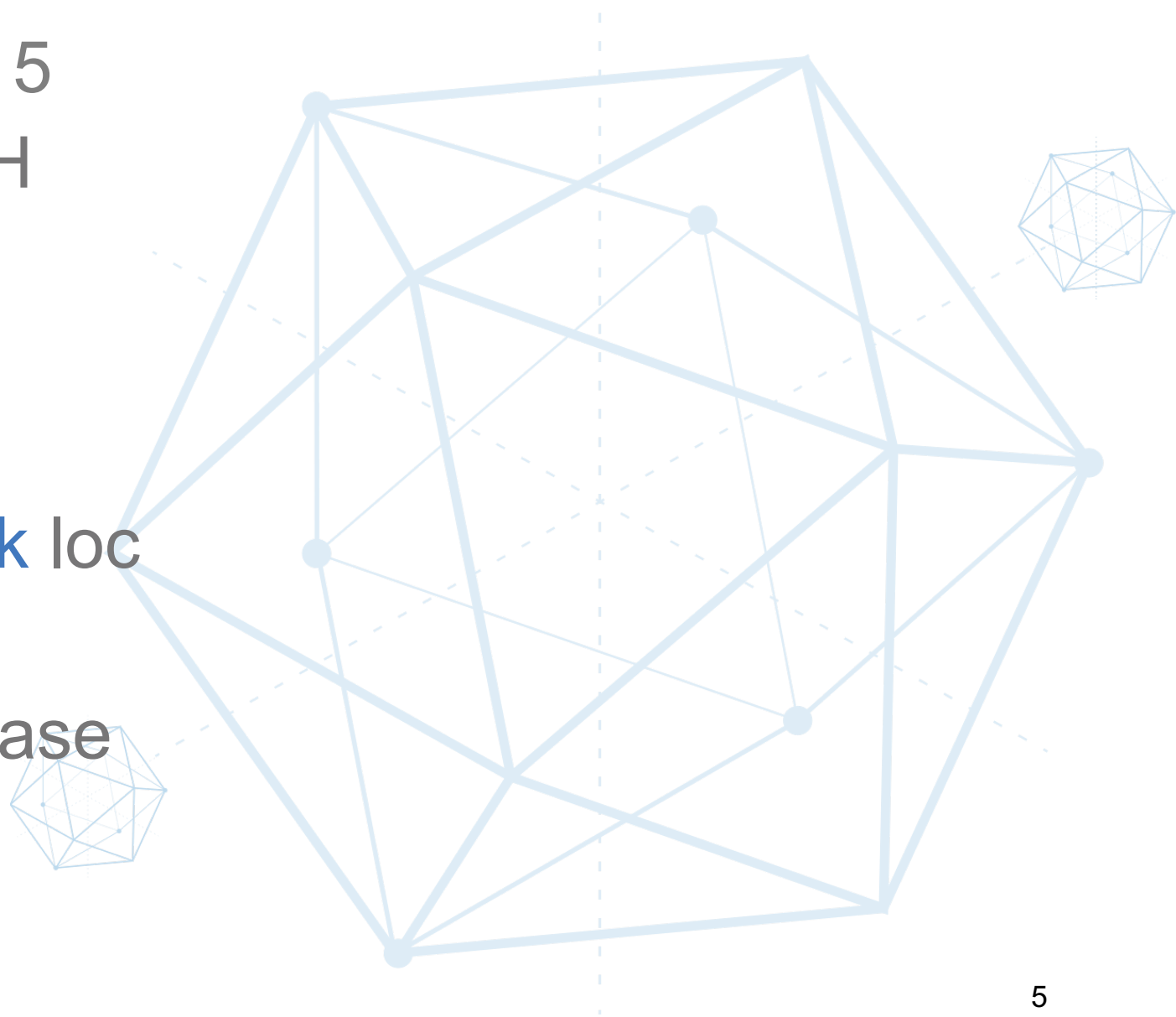
# Hyperledger Projects

- 6 top projects
  - Fabric
  - SawtoothLake
  - Iroha
  - Cello
  - Blockchain Explorer
  - Composer



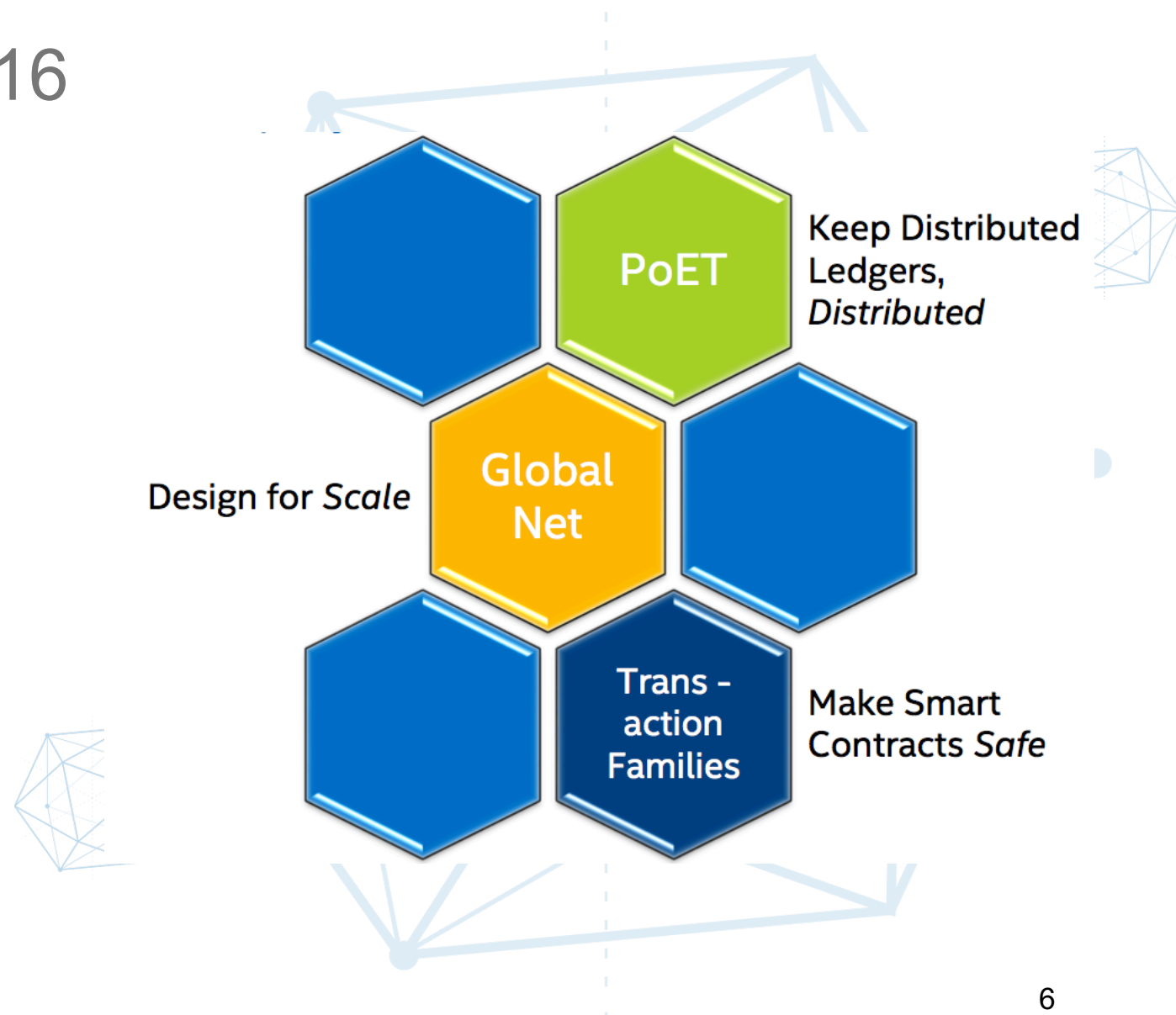
# Hyperledger Fabric

- Open-sourced at Dec, 2015
- Proposed by IBM and DASH
- Written in Golang
- 70+ contributors
- 4000+ commits
- v0.6: ~80k loc; v1.0: ~310k loc
- Active now, in 1.0 pre-release



# Hyperledger SawtoothLake

- Open-sourced at April, 2016
- Proposed by Intel
- Python
- 30+ contributors
- 3000+ commits
- Key features
  - PoET consensus
  - Transaction Families
  - Scalability



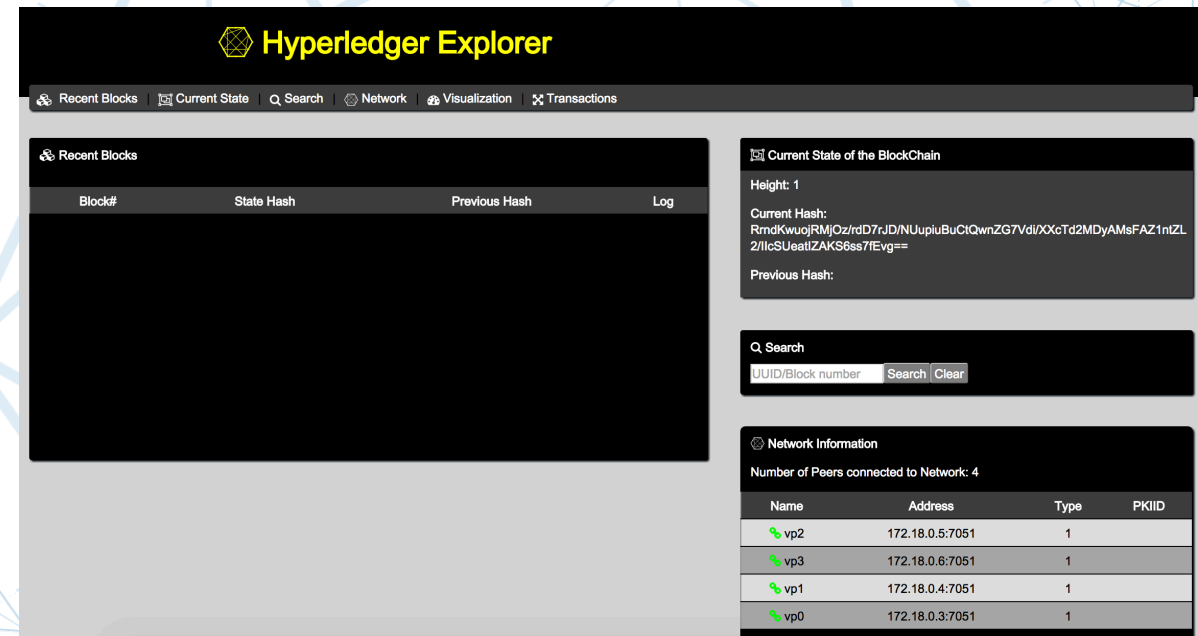
# Hyperledger Iroha

- [Open-sourced](#) at Oct, 2016
- Proposed by [Soramitsu](#)
- C++
- 20+ contributors
- 2000+ commits
- Key features
  - C++ environment
  - Mobile and Web application Support
  - Sumeragi consensus



# Hyperledger Blockchain Explorer

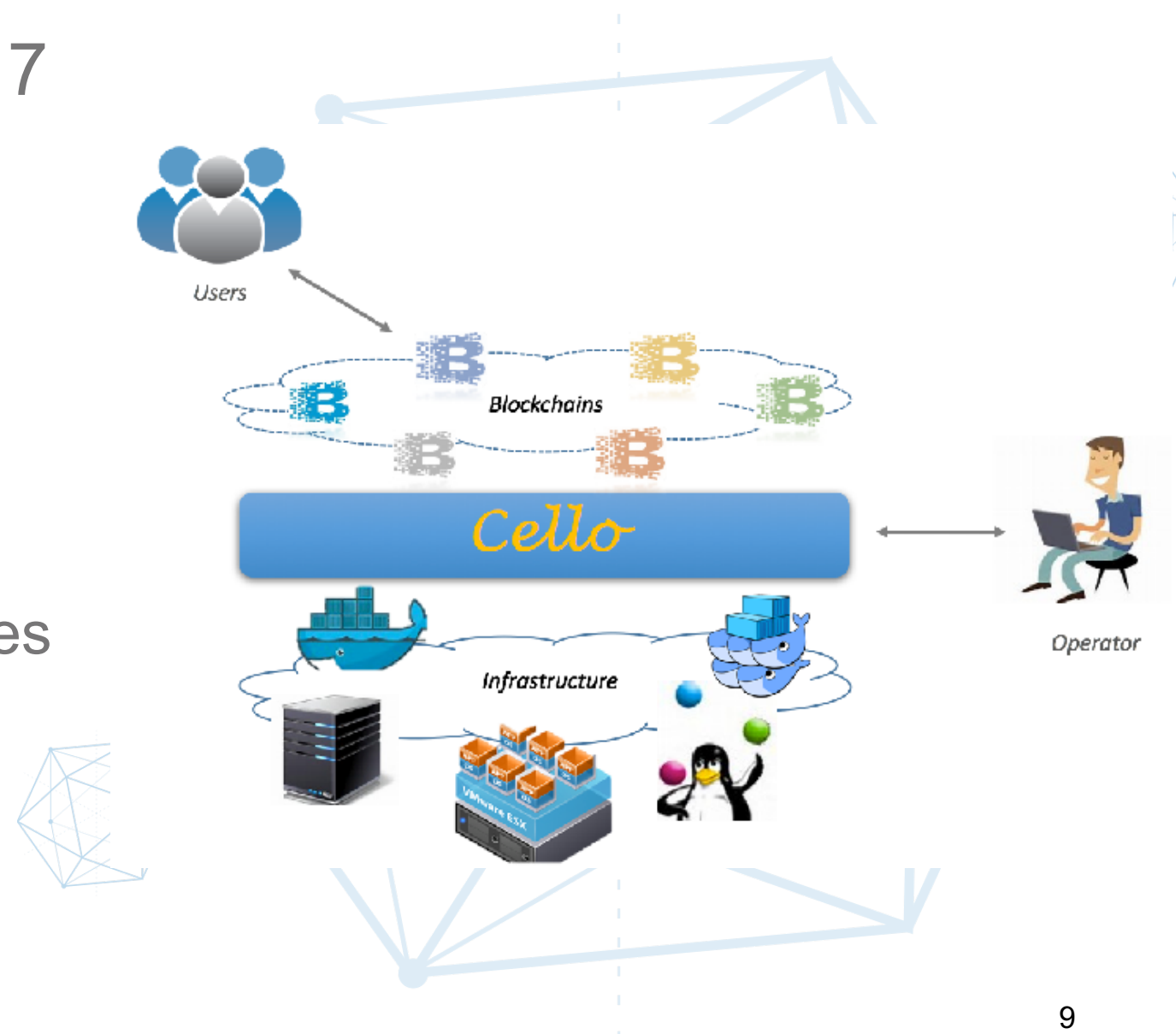
- Open-sourced at Aug, 2016
- Proposed by Intel, DTCC, IBM
- UI to interact with ledger
- Node.js
- Under-development
- Key features
  - Web UI to explorer a blockchain
  - Single-Page Application





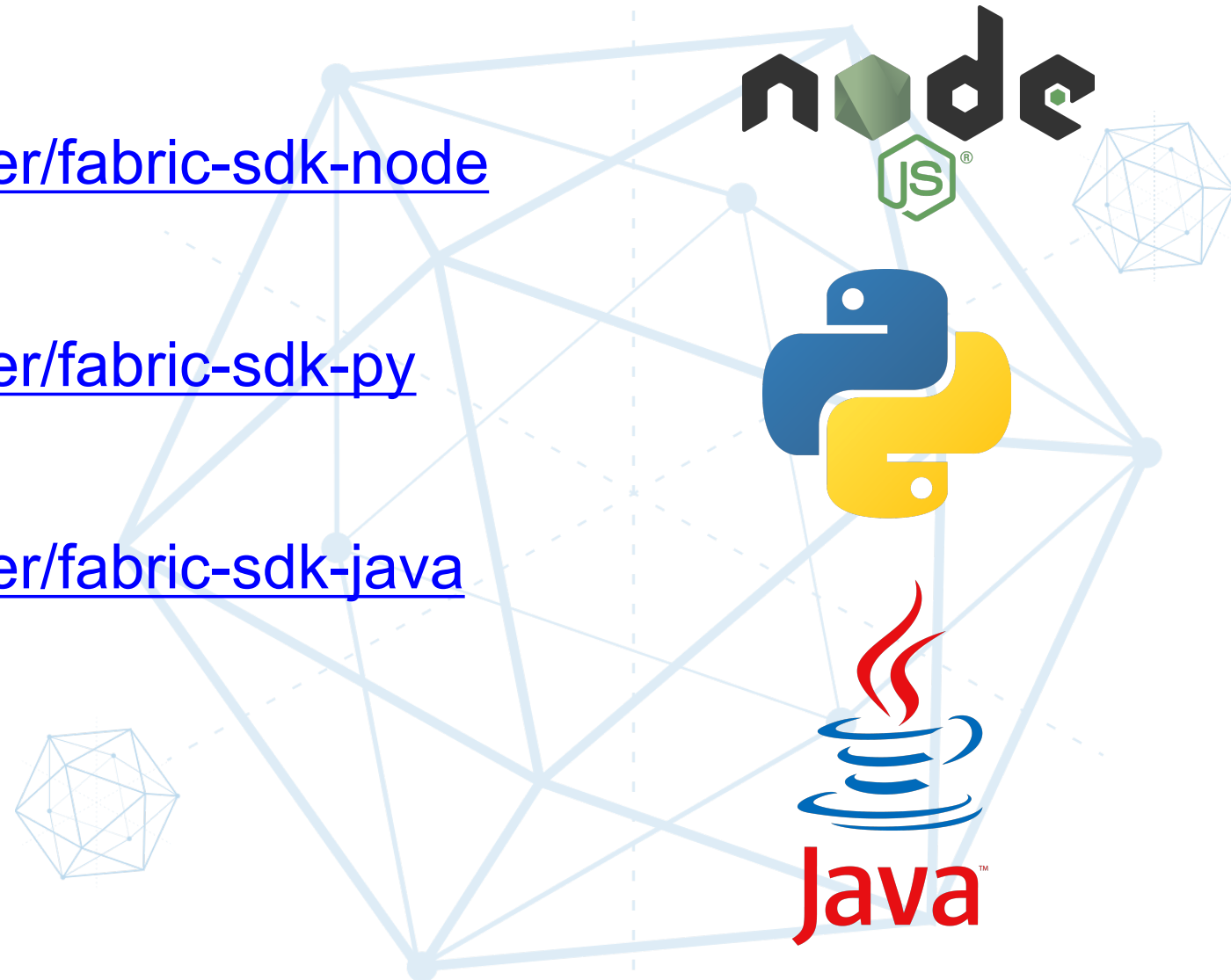
# Hyperledger Cello

- Open-sourced at Jan, 2017
- Proposed by IBM
- Python, JavaScript
- 370+ commits
- Key features
  - Blockchain as a Service
  - Support various infrastructures
  - High-performance
  - Scalability
  - Pluggability

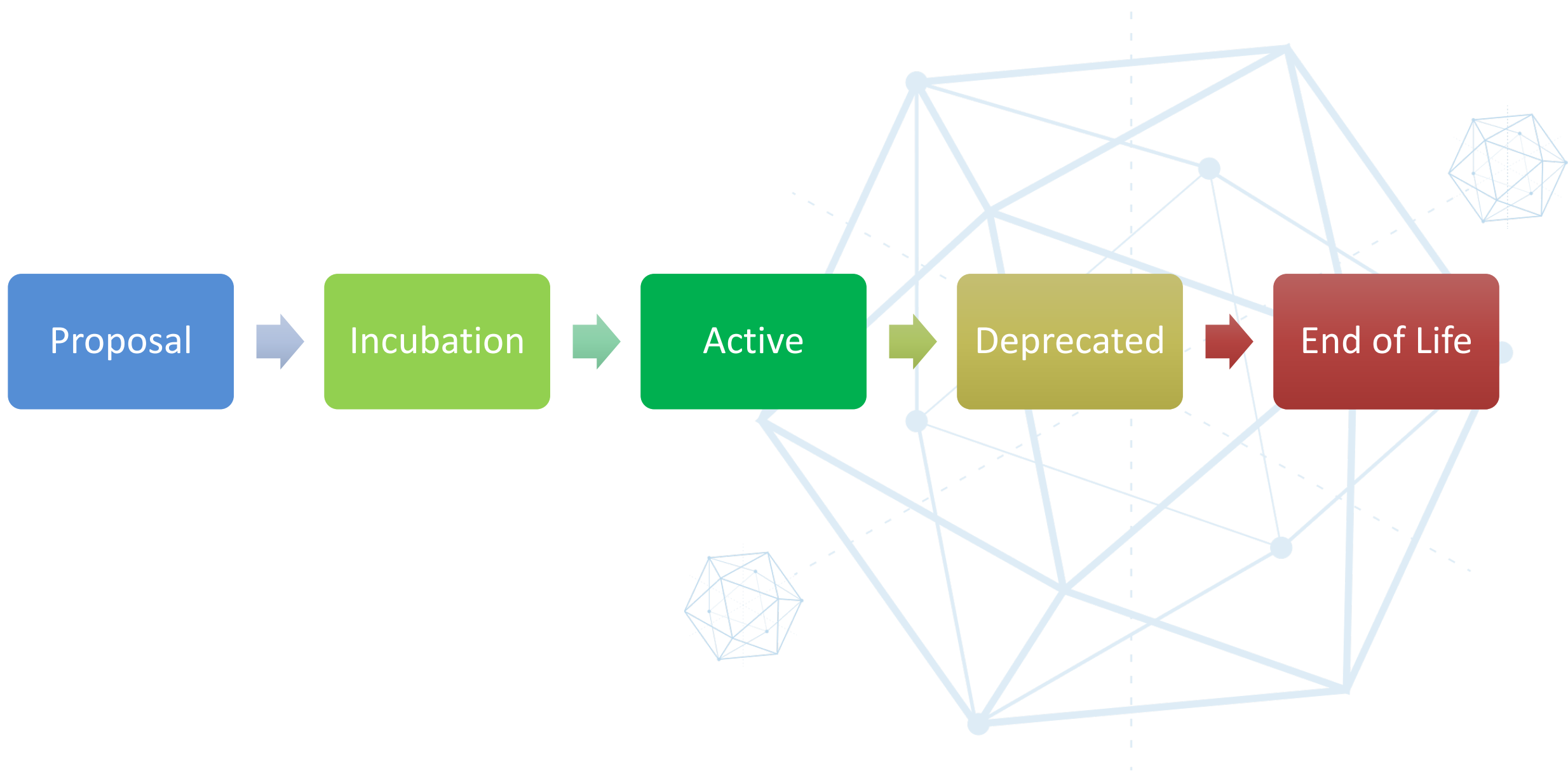


# Hyperledger Fabric SDK

- Node.Js
  - <https://github.com/hyperledger/fabric-sdk-node>
- Python
  - <https://github.com/hyperledger/fabric-sdk-py>
- Java
  - <https://github.com/hyperledger/fabric-sdk-java>

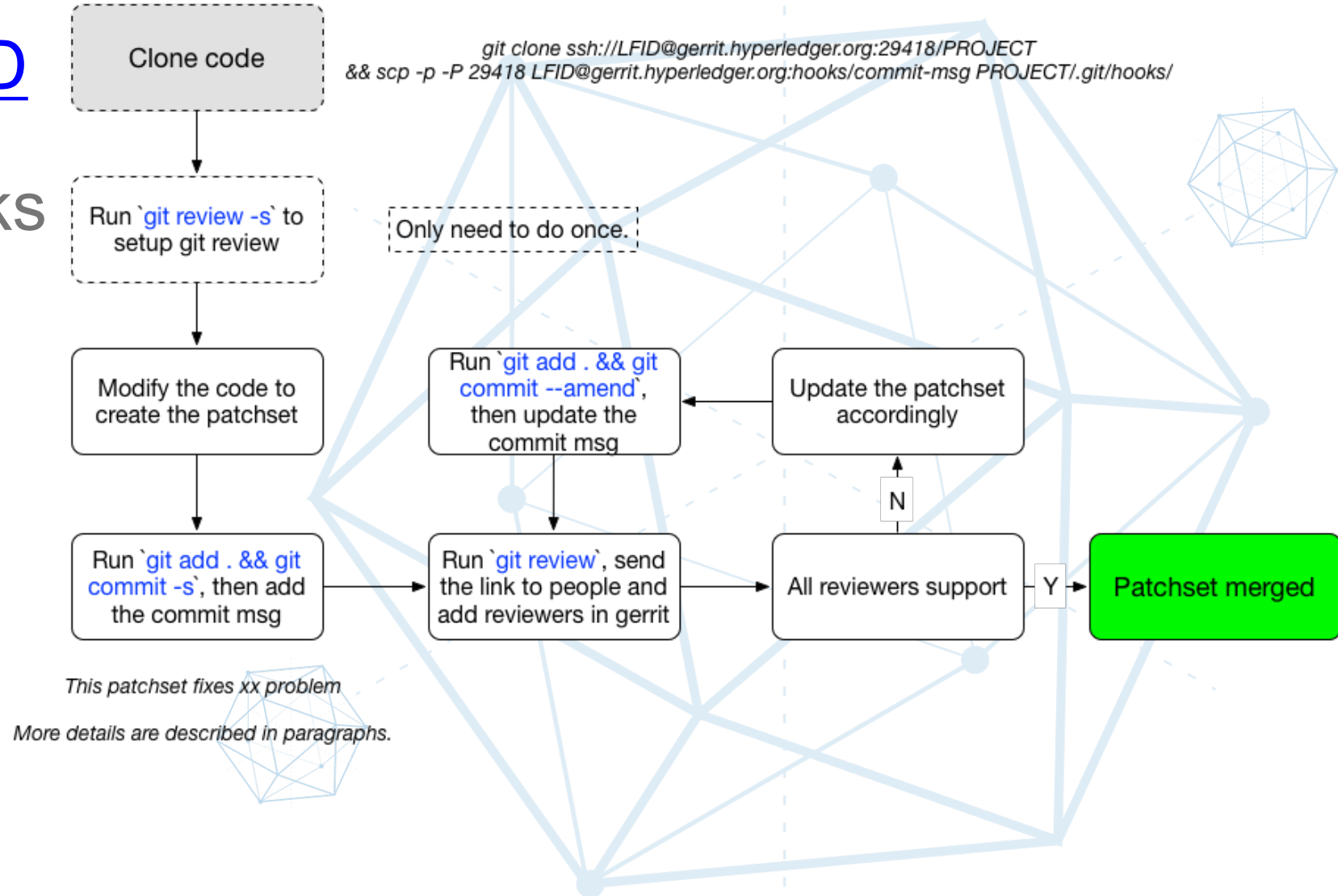


# Hyperledger Projects Lifecycle



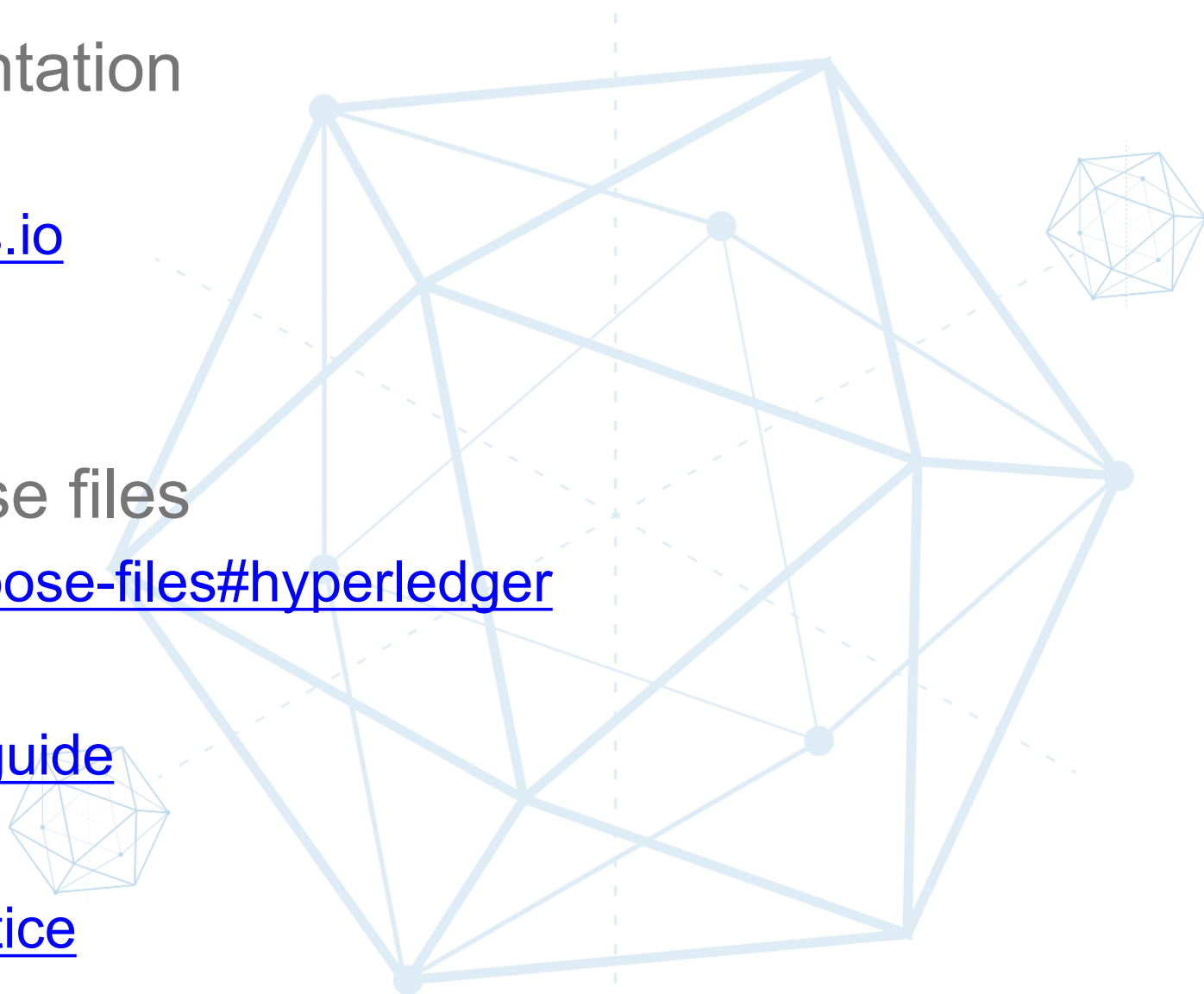
# How to Contribute

- [Linux Foundation ID](#)
- [Jira](#) to manage tasks
- [Gerrit](#) to host code
- [RocketChat](#)



# Reference

- Hyperledger Wiki&Documentation
  - [wiki.hyperledger.org](http://wiki.hyperledger.org)
  - [hyperledger-fabric.readthedocs.io](http://hyperledger-fabric.readthedocs.io)
- IBM 区块链
  - [ibm.com/ibm/cn/blockchain/](http://ibm.com/ibm/cn/blockchain/)
- Hyperledger Fabric Compose files
  - [github.com/yeasy/docker-compose-files#hyperledger](https://github.com/yeasy/docker-compose-files#hyperledger)
- 《区块链技术指南》
  - [github.com/yeasy/blockchain\\_guide](https://github.com/yeasy/blockchain_guide)
- 《Docker 从入门到实践》
  - [github.com/yeasy/docker\\_practice](https://github.com/yeasy/docker_practice)





# Questions?

Thank You!  
@baohua

*Slides available at [github.com/yeasy/seminar-talk#hyperledger](https://github.com/yeasy/seminar-talk#hyperledger)*