

Hyperledger Projects

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About Me

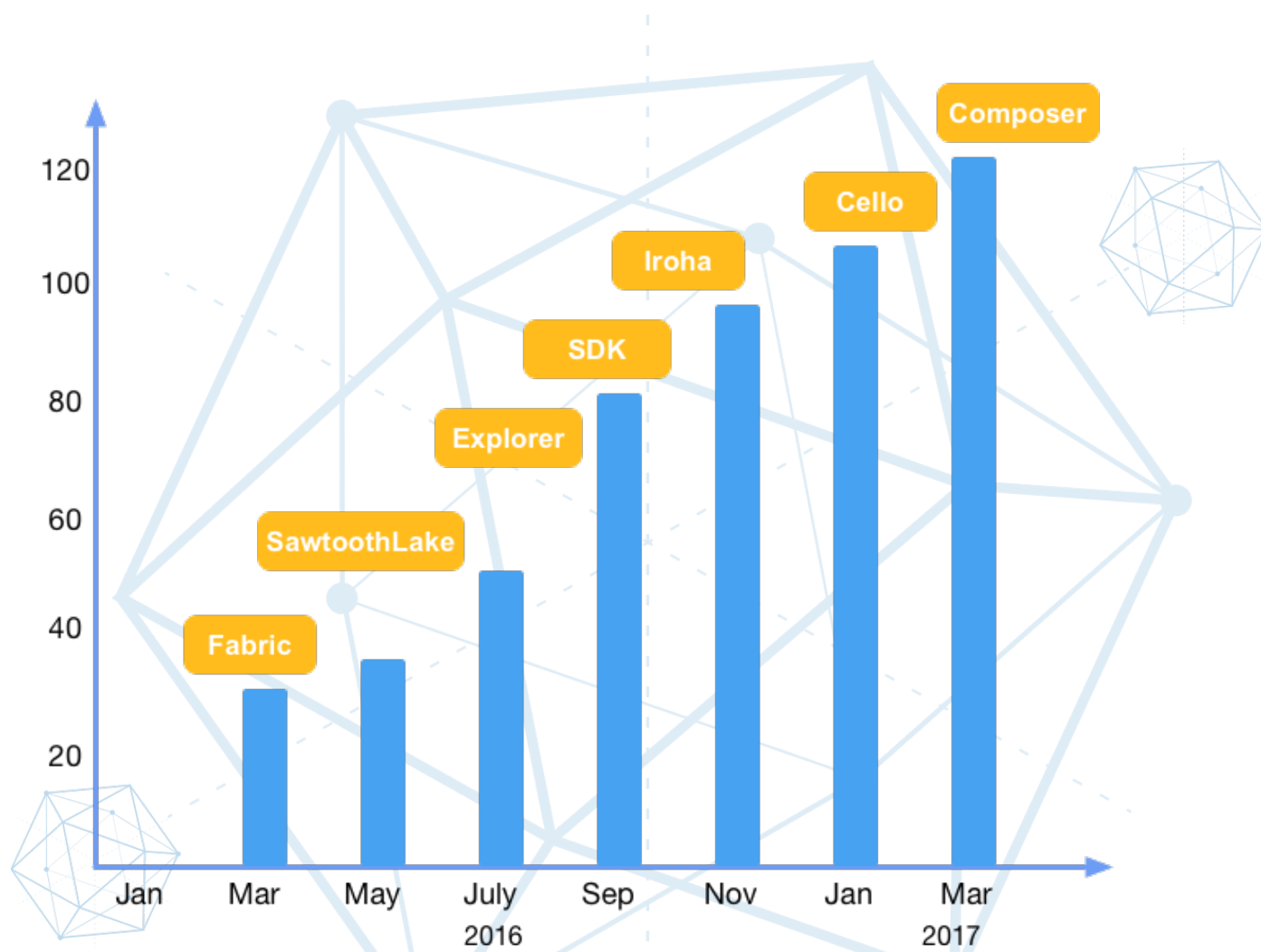
- **Researcher in IBM**
 - Fintech, Cloud and Analytics
- **Open-Source contributor**
 - [Hyperledger](#), [OpenStack](#), [OpenDaylight](#), etc.
- **Hyperledger developer**
 - Code committer to [fabric](#), [sdk](#), [Cello](#) etc.
 - PTL of [Cello](#) project and [fabric-sdk-py](#) project
 - Chair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



Hyperledger Projects

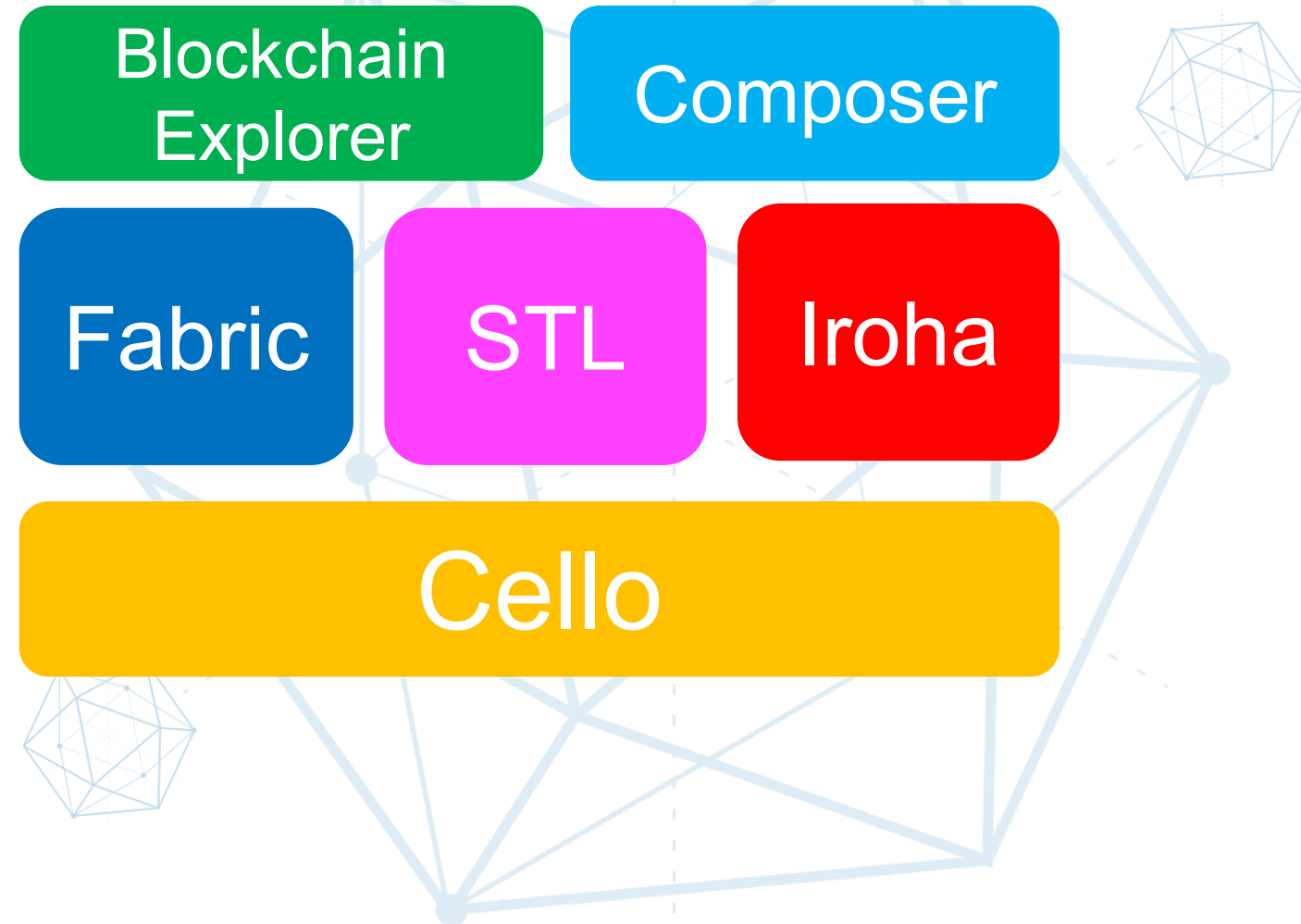
- Since Dec 17, 2015
- [Apache v2 License](#)
- 30 founded members
- 30/129 (China) members
- 6 top projects
- 200+ contributors
- 9000+ commits

Enterprise grade, open source
distributed ledger framework!



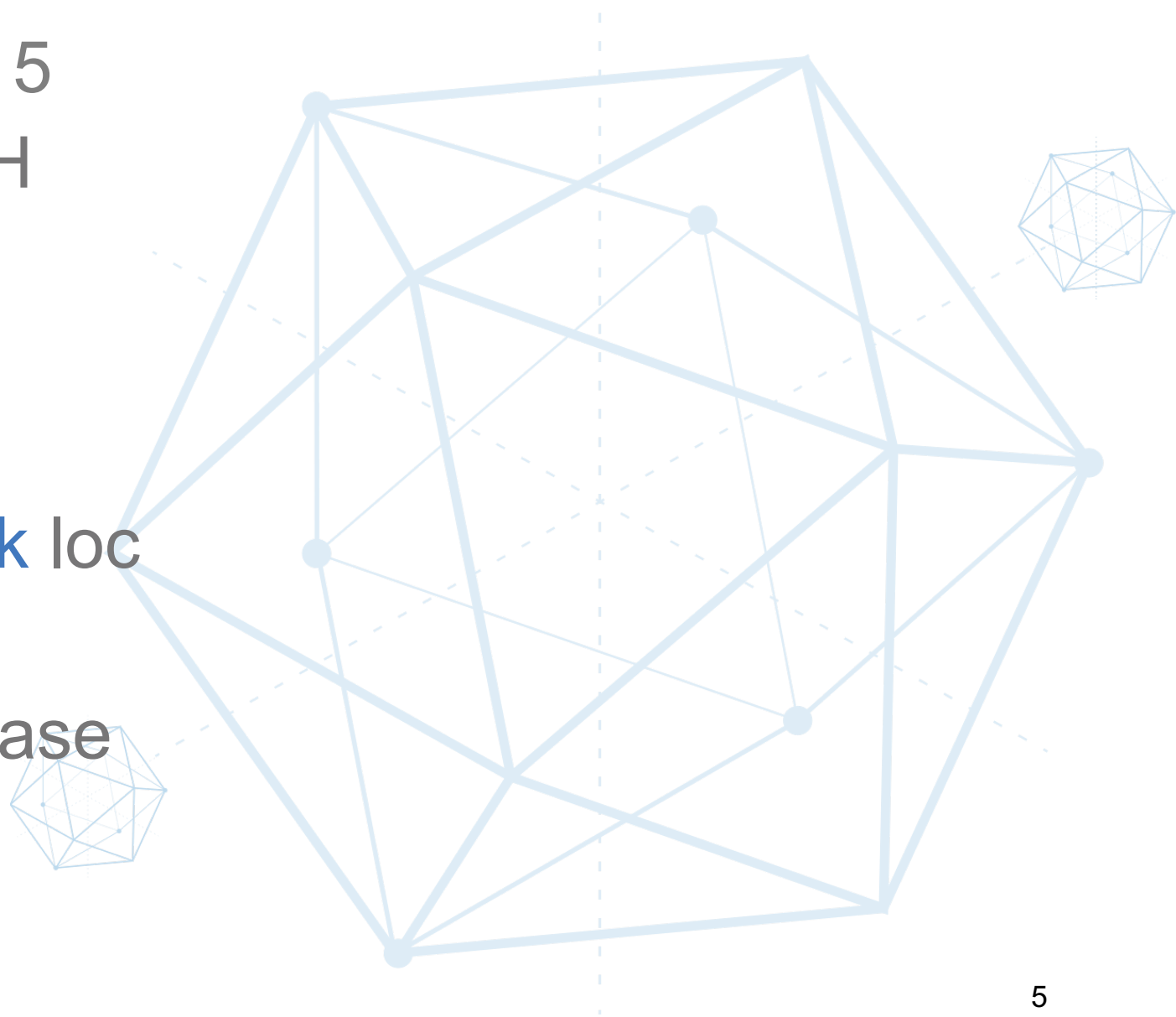
Hyperledger Projects

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



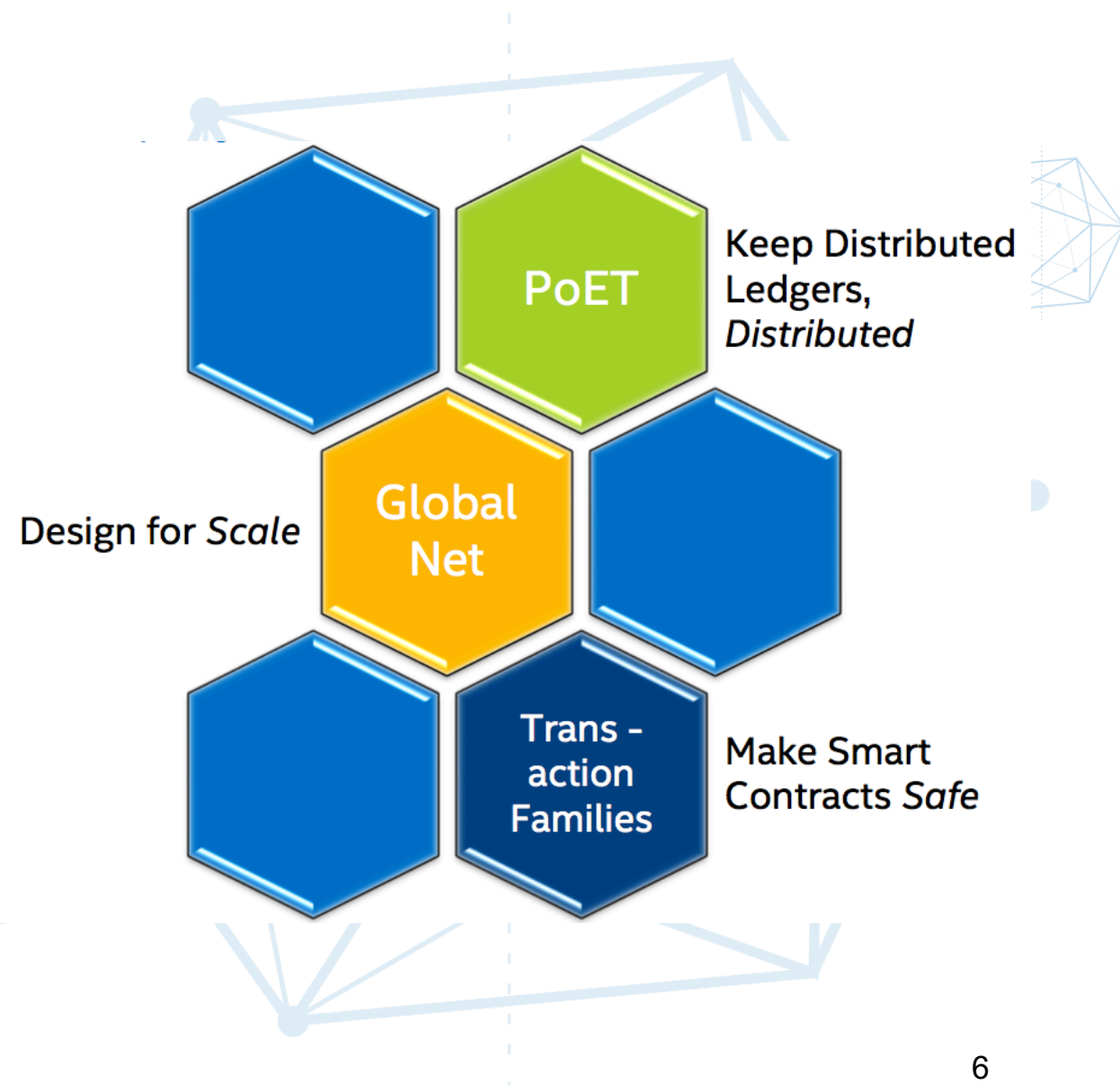
Hyperledger Fabric

- 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



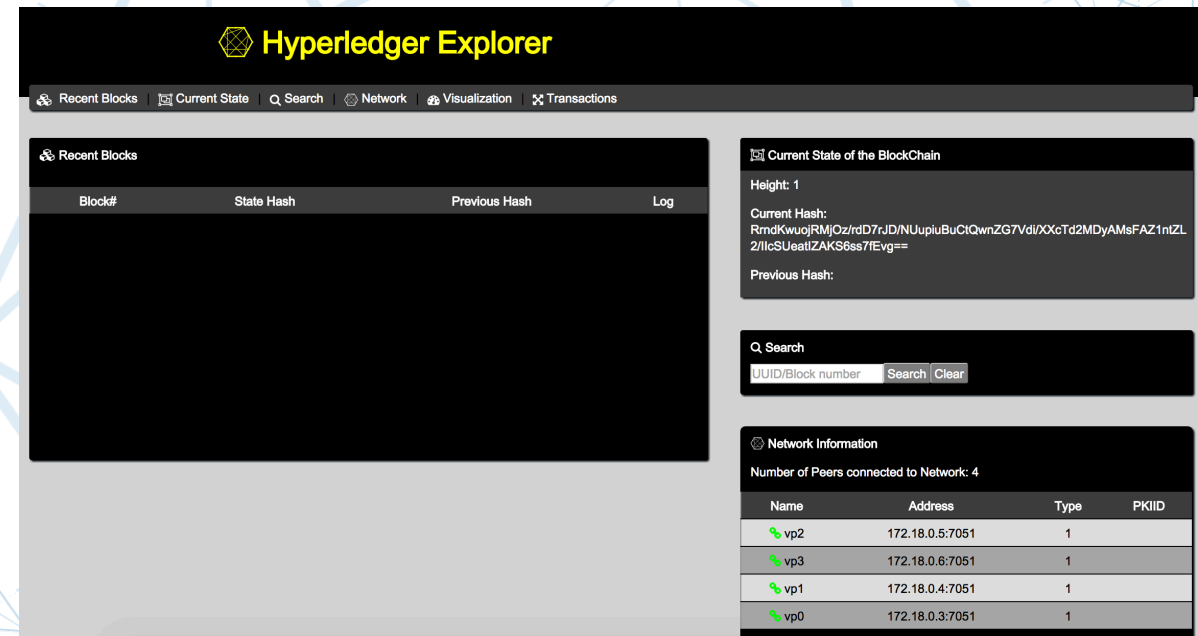
Hyperledger Iroha

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



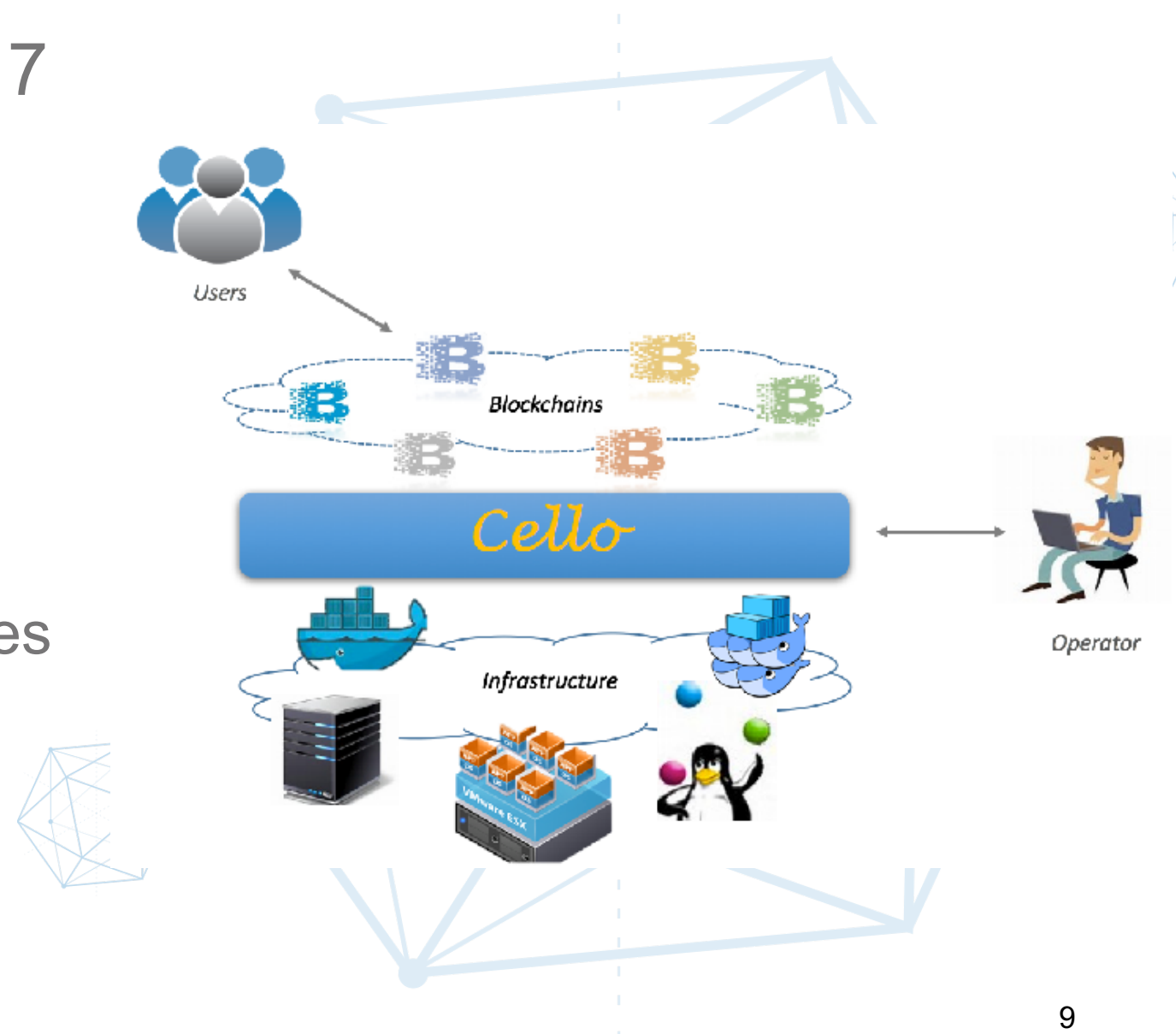
Hyperledger Blockchain Explorer

- 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



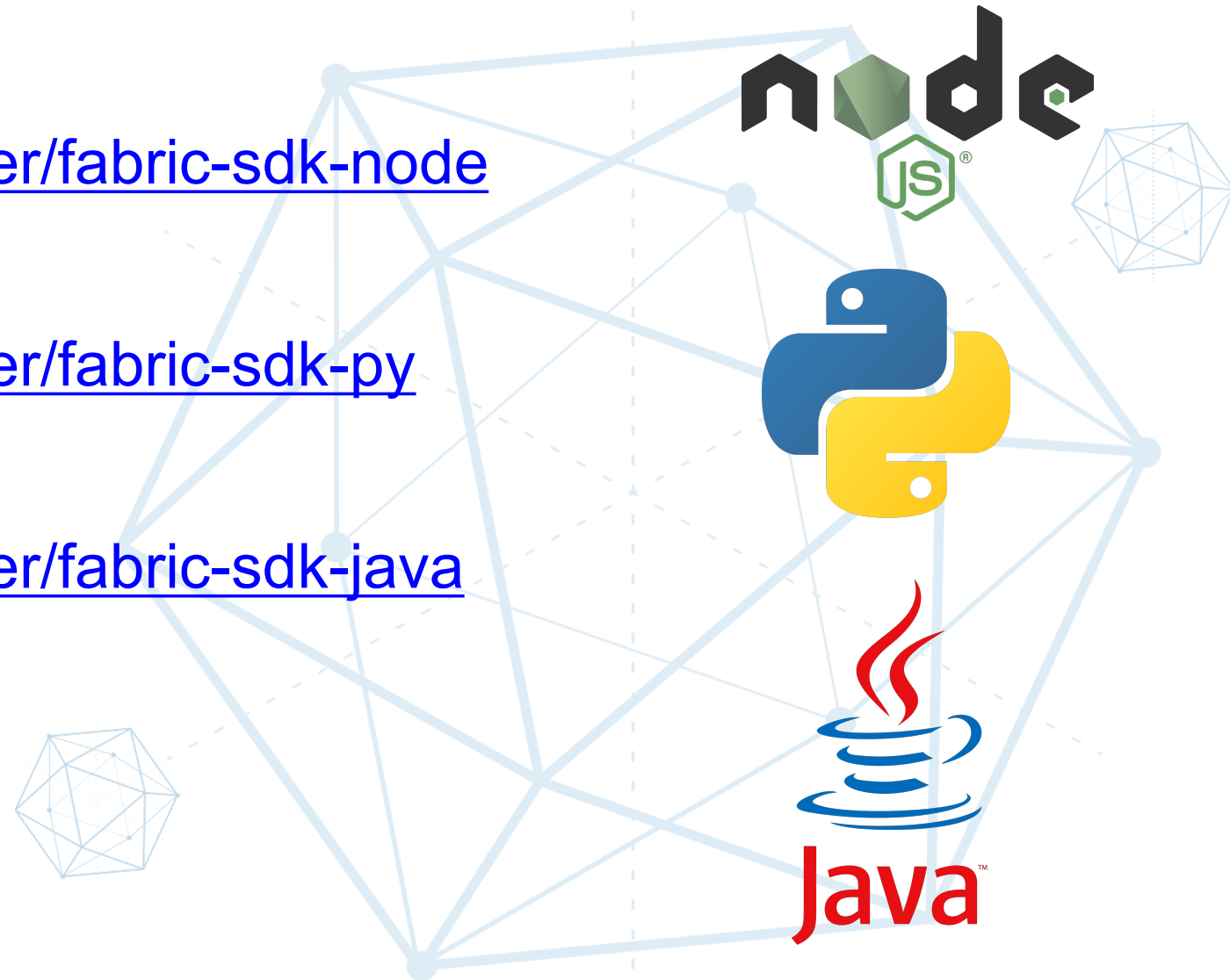
Hyperledger Cello

- 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

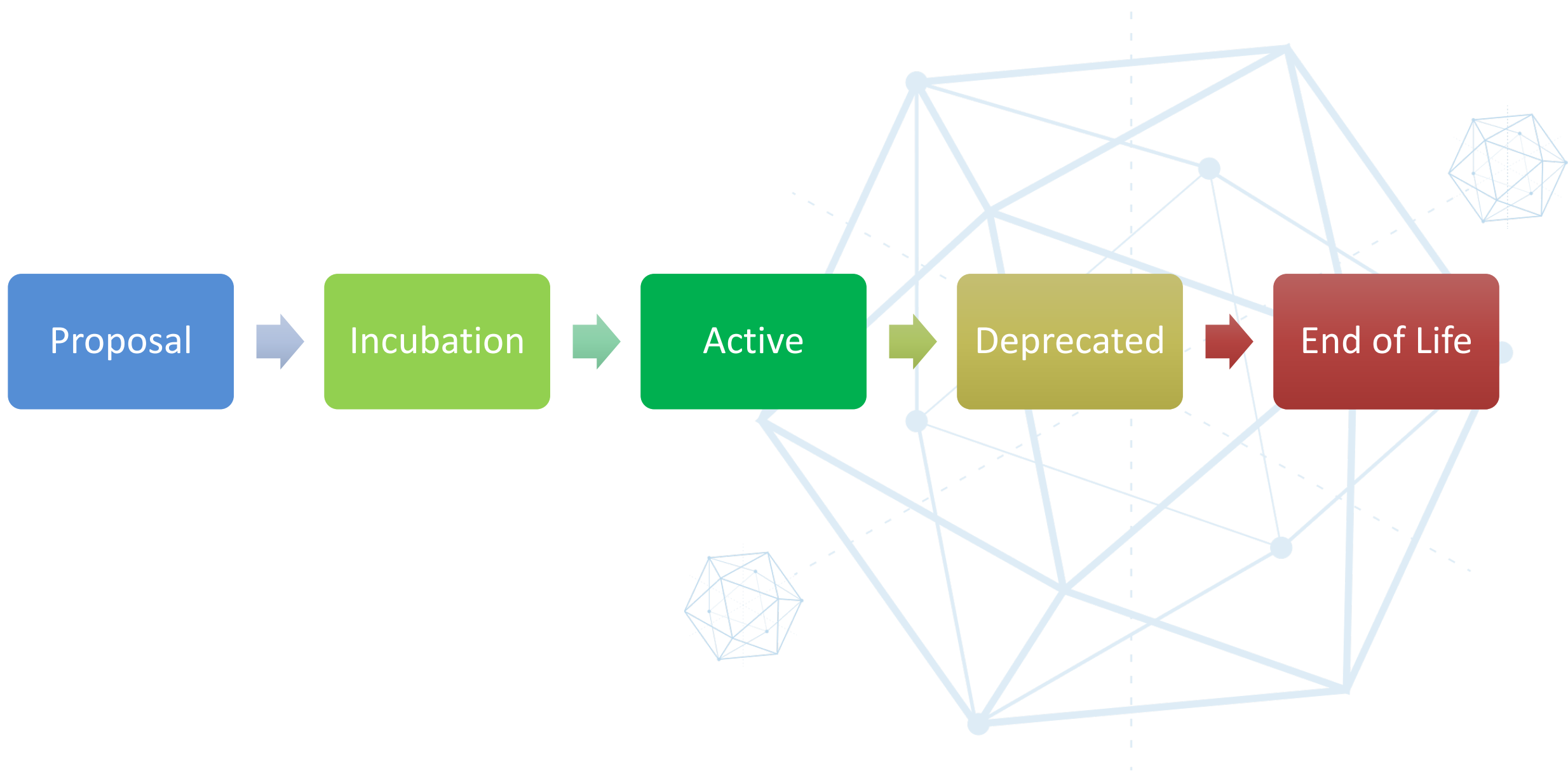


Hyperledger Fabric SDK

- 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>

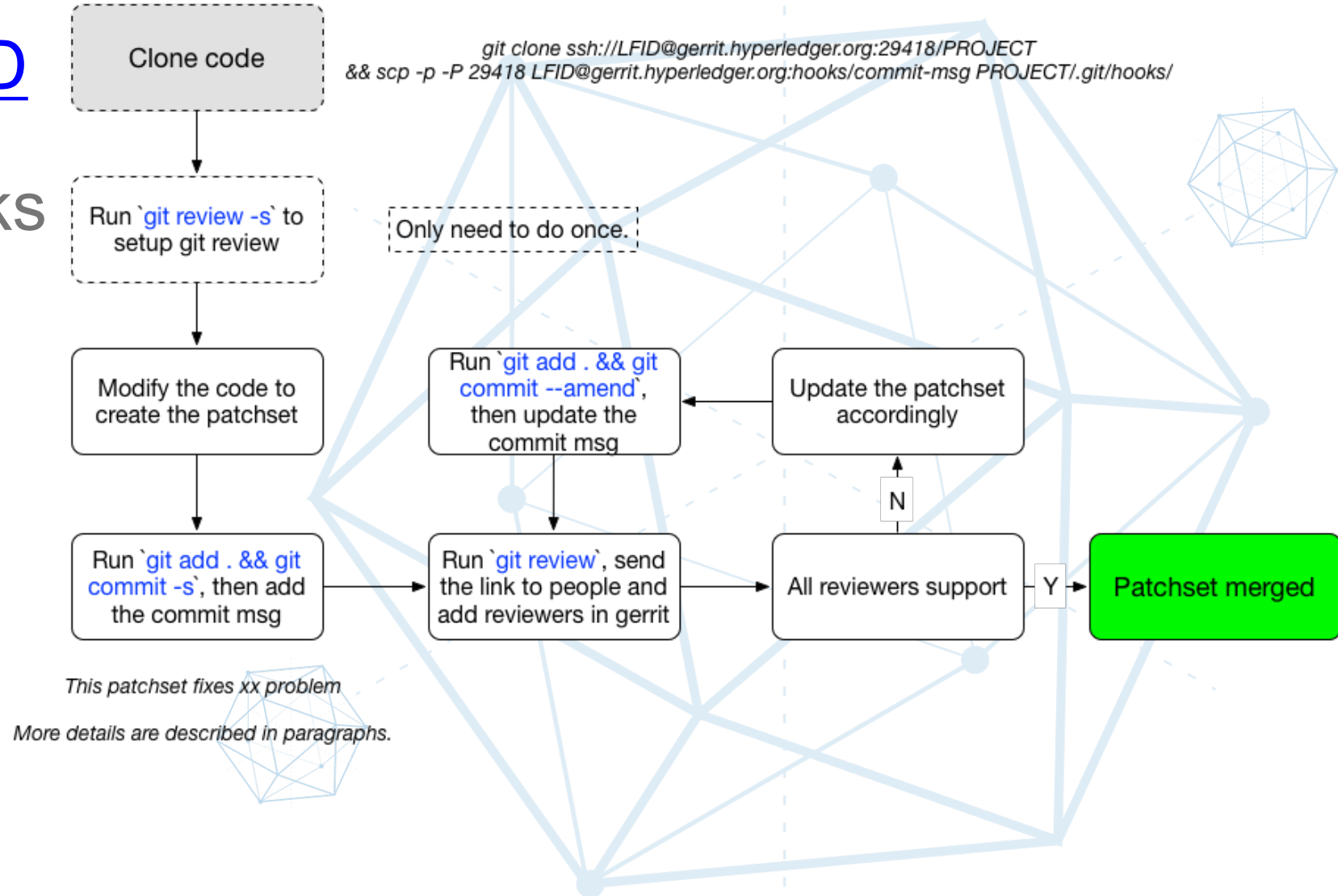


Hyperledger Projects Lifecycle



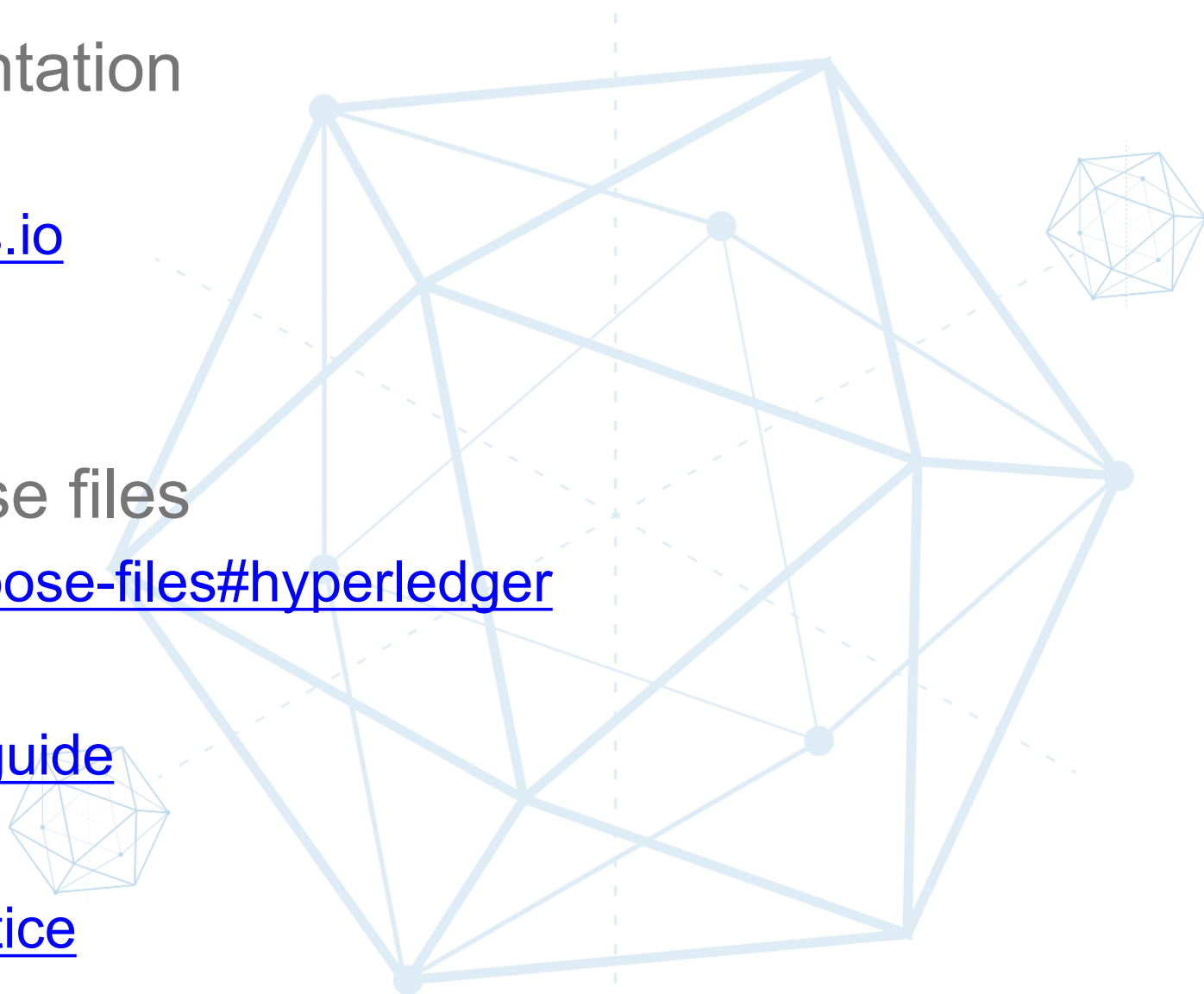
How to Contribute

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



Reference

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





Questions?

Thank You!
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Slides available at github.com/yeasy/seminar-talk#hyperledger