

Hyperledger Cactus

Academic Paper Discussion



HYPERLEDGER
CACTUS

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HYPERLEDGER
BLOCKCHAIN TECHNOLOGIES FOR BUSINESS

Introducing the academic paper effort

Hyperledger fabric: a distributed operating system for permissioned blockchains

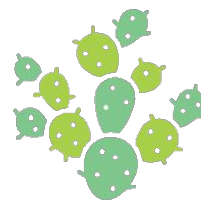
Authors:  [Elli Androulaki](#),  [Artem Barger](#),  [Vita Bortnikov](#),
 [Christian Cachin](#),  [Konstantinos Christidis](#), + 16 [Authors Info & Affiliations](#)

Publication: EuroSys '18: Proceedings of the Thirteenth EuroSys Conference • April 2018
• Article No.: 30 • Pages 1–15 • <https://doi.org/10.1145/3190508.3190538>

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433 14,685



End Goals



HYPERLEDGER
CACTUS

1. Produce research on blockchain interoperability, useful for other Hyperledger Projects
2. Formalize findings, and disseminate them to the scientific community
3. Promote adoption of Cactus
4. Promote the union of the Cactus team

Collaboration Channels

Channels open to the public:

Mailing List

<https://lists.hyperledger.org/g/cactus/topics?p=recentpostdate%2Fsticky,,20,2,0,77324360>

Hyperledger Rocket Chat (cactus-paper channel)

<https://chat.hyperledger.org/>

Current Status

Paper

- Very early draft on Overleaf
- Possibility of leveraging the whitepaper

Collaboration efforts

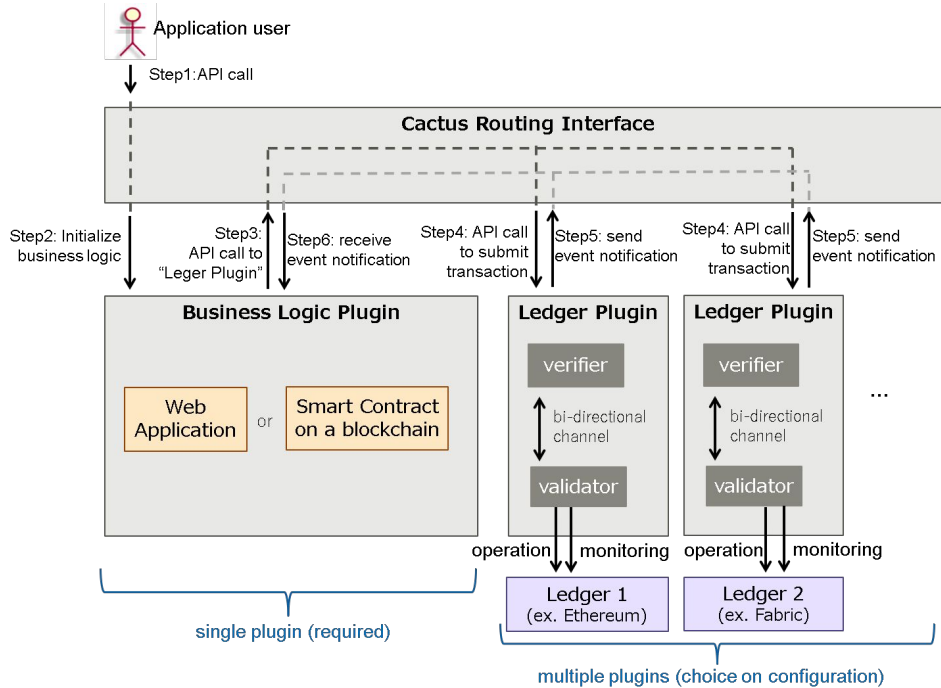
- Multiple interested parties on contribution to the paper (Fujitsu, Accenture, Técnico Lisboa, University of Regensburg, University of New South Wales)

Direction

- Architecture (routing interface, consortium management, more practical)
- Security Model (cross-chain security, atomicity, more theoretical)



Architecture





Get Involved!

Visit the mailing list topic:

<https://lists.hyperledger.org/g/cactus/topics?p=recentpostdate%2Fsticky...20,20,77324360>

Or the Hyperledger Cactus Academic Paper channel on RocketChat:

<https://chat.hyperledger.org/>