Hyperledger Vienna #4

Beyond Fabric, Ledger Lite, Blockchain Camera

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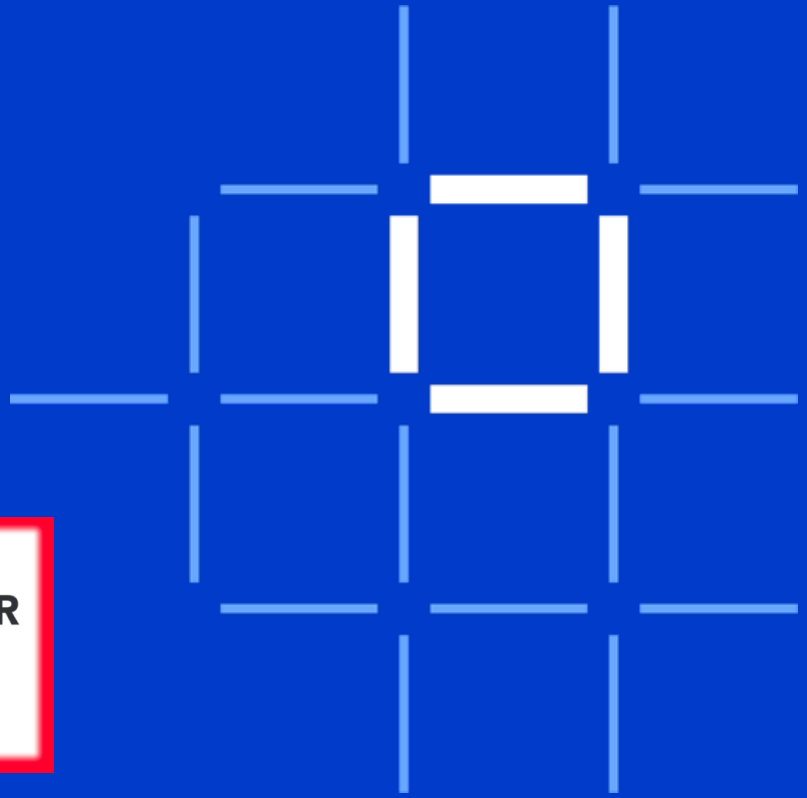
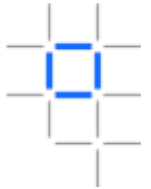


What is Hyperledger

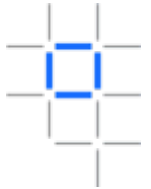


"**Incubator** for a range of **business** blockchain technologies"

HYPERLEDGER

THE LINUX FOUNDATION

What is Hyperledger



Launched in **2016**

220 companies (03/2018)

Fastest growing Linux Foundation organization

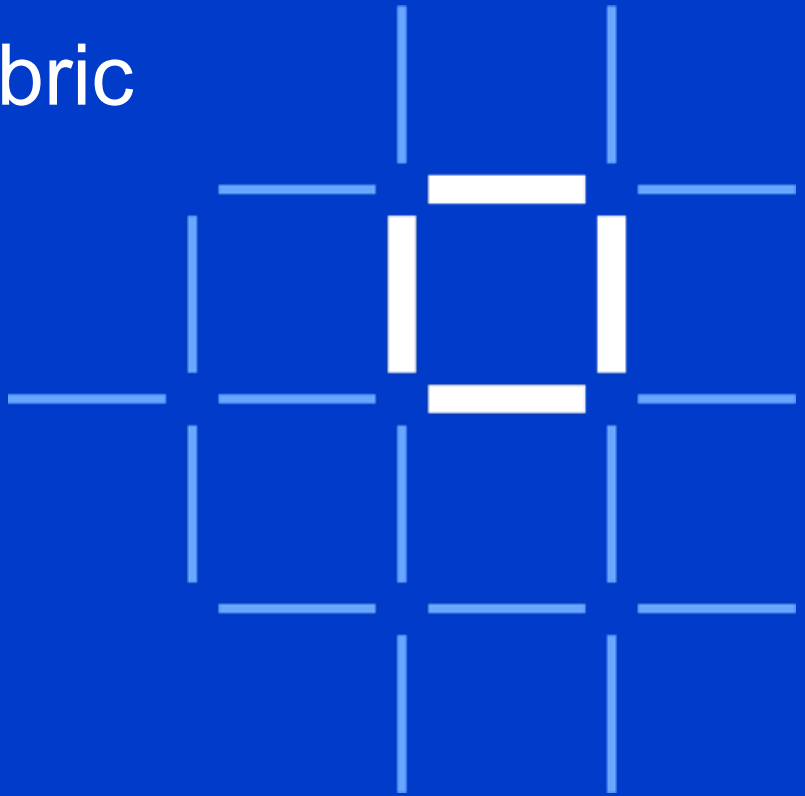
HYPERLEDGER

THE LINUX FOUNDATION

Hyperledger Global Forum 2018

https://events.linuxfoundation.org/events/hyperledger-global-forum-2018/

#1 Beyond Hyperledger Fabric



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5 major Hyperledger projects

HYPERLEDGER
INDY

HYPERLEDGER
IROHA

HYPERLEDGER
SAWTOOTH

HYPERLEDGER
FABRIC

Hyperledger Burrow

6 major Hyperledger tools

THE LINUX FOUNDATION

HYPERLEDGER

HYPERLEDGER QUILT

Hyperledger Cello

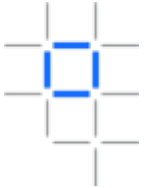
Hyperledger Caliper

HYPERLEDGER EXPLORER

Hyperledger Composer

Facts

HYPERLEDGER
FABRIC



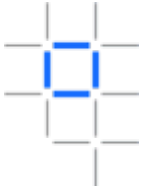
- Status: Active
- Main Contributor: IBM // https://www.ibm.com/blockchain

- Vision: A modular, general purpose, enterprise-ready Blockchain

- Strenghts / Unique Features:
  - Modularity (Storage, Consensus, Chaincode Languages)
  - Privacy (Channels, Collections, Zero Proof Knowledge)
  - Operational Models
  - Real-World Usage

- Suitable for:
  - All kind of Use Cases;

Facts



- Status: Active
- Main Contributor: Intel // https://www.intel.com/content/www/us/en/security/blockchain-overview.html

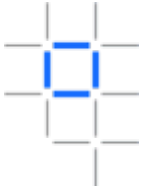
- Vision: A modular, general purpose Blockchain

- Strenghts / Unique Features:
  - Modularity (Storage, Consensus, Chaincode Languages)
  - Similar to Hyperledger Fabric
  - PoET Consensus
  - Transaction Families

- Suitable for:
  - All kind of Use Cases but depended on Intel SGX

Facts

HYPERLEDGER
IROHA



- Status: Active
- Main Contributor: Soramitsu, Hitachi, NTT Data and Colu

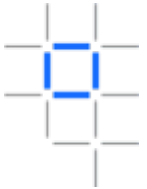
- Vision: Infrastructure Use Cases on the Blockchain

- Strenghts:
  - Easy smart contract development in C++
  - Focus on Mobile Applications
  - Byzantine Fault Tolerance-based consensus algorithm (”Sumeragi”)

- Suitable for:
  - Infrastructural procts

Facts

HYPERLEDGER
INDY



- Status: Incubation
- Main Contributor: Sovrin Foundation // https://sovrin.org

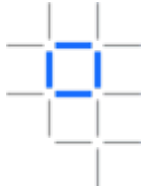
- Vision: Self-sovereign identity ecosystem on top of a distributed ledger

- Strenghts & Key features:
  - RBFT
  - Privacy by design

- Suitable for:
  - KYC
  - Digital Identity Use Cases

Facts

Hyperledger Burrow



- Status: Incubation
- Main Contributor: Monax // https://twitter.com/monaxHQ

- Vision: Ethereum-inspired Smart Contract Platform

- Strenghts & Key features:
  - Permissioned Ethereum Virtual Machine (EVM)
  - Proof of Stake

- Suitable for:
  - Cross-ledger smart contracts compatibility

Learn more

LinuxFoundationX: LFS171x
Blockchain for Business - An Introduction to Hyperledger Technologies

https://courses.edx.org/courses/course-v1:LinuxFoundationX+LFS171x+3T2017/course/

#2 Ledger Lite

Gerald Bauer
https://github.com/openblockchains

#3 Blockchain Camera

Alexander Sommer

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