Hyperledger
The State of the Ledger
Member Summit 2019
July 30, 2019

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The Linux Foundation
Cross Industry Case Studies

How Walmart brought unprecedented transparency to the food supply chain with Hyperledger Fabric

Industry: Supply Chain, Food, Agriculture, Retailers
Topics: Traceability, Open Source Blockchain, Consortiums, Trust, Speed, Immutability, Verified Networks, Decentralization, Food-borne illnesses and outbreaks, Food waste
Project(s): Hyperledger Fabric

Circular Achieves First Ever Mine to Manufacturer Traceability of a Conflict Mineral Using Hyperledger Fabric

Industry: Mining
Topics: Hyperledger Fabric, IoT, facial recognition technology combined for doing first-ever mine to manufacturer traceability of a conflict-mineral for supply chains
Project(s): Hyperledger Fabric

How ScanTrust Brought Transparency to the Supply Chain with Hyperledger Sawtooth

Industry: Supply Chain, Commercial Goods
Topics: Traceability, Trust, Information and communications technology (ICT Environment), Industry Use Cases, QR Code
Project(s): Hyperledger Sawtooth

https://www.hyperledger.org/resources/publications#case-studies
Kiva: Implementing SSI and a privacy-first credit bureau for Sierra Leone

Challenge:
1. There is no effective digital identity system or credit bureau for SL’s 7.5M citizens
2. As a result, Kiva’s lending rates are 30%, much higher than in other countries and a blocker to financial participation.

Solution:
1. 2019-Q2 NCRA (SL government ID agency) will issue credentials on a Hyperledger-Indy based network.
2. 2019-Q4 BSL (central bank) will use Hyperledger Fabric for a shared, decentralized credit reporting bureau.

Partnership between Kiva, SL government, UNDP and UNCDF.
So who’s using what?

Of the Forbes Blockchain 50:
- 23 HL Fabric
  - +5 IBM Blockchain
  - +2 DTCC & Google
  - +1 Oracle Blockchain
  - +1 Samsung Nexledger
- 21 (Public?) Ethereum
- 13 Corda
- 12 Quorum
- 3 HL Indy
- 3 HL Sawtooth
Hyperledger Hong Kong Bootcamp - March 7th - 8th
Our Newest Projects

A shared cryptographic library that enables people (and projects) to avoid duplicating security-sensitive cryptographic work.

A platform for building supply chain solutions. It includes a set of libraries, data models, and SDK for supply chain smart contracts and client interfaces.
Our Newest Projects

Infrastructure for blockchain-rooted, peer-to-peer interactions. Includes a shared cryptographic wallet (the secure storage tech, not a UI) + a protocol for off-ledger interaction between clients.

Hyperledger Transact will reduce the development effort for writing distributed ledger software by providing a standard interface for executing smart contracts that is separate from the distributed ledger implementation. A shared software library handles all aspects of scheduling, transaction dispatch, and state management.
HYPERLEDGER GLOBAL FORUM

Save the Date!

PHOENIX, AZ
MARCH 3-6, 2020

CFP Deadline
SEPTEMBER 27, 2019
Thanks!