



Certified Hyperledger Expert

What is Hyperledger?

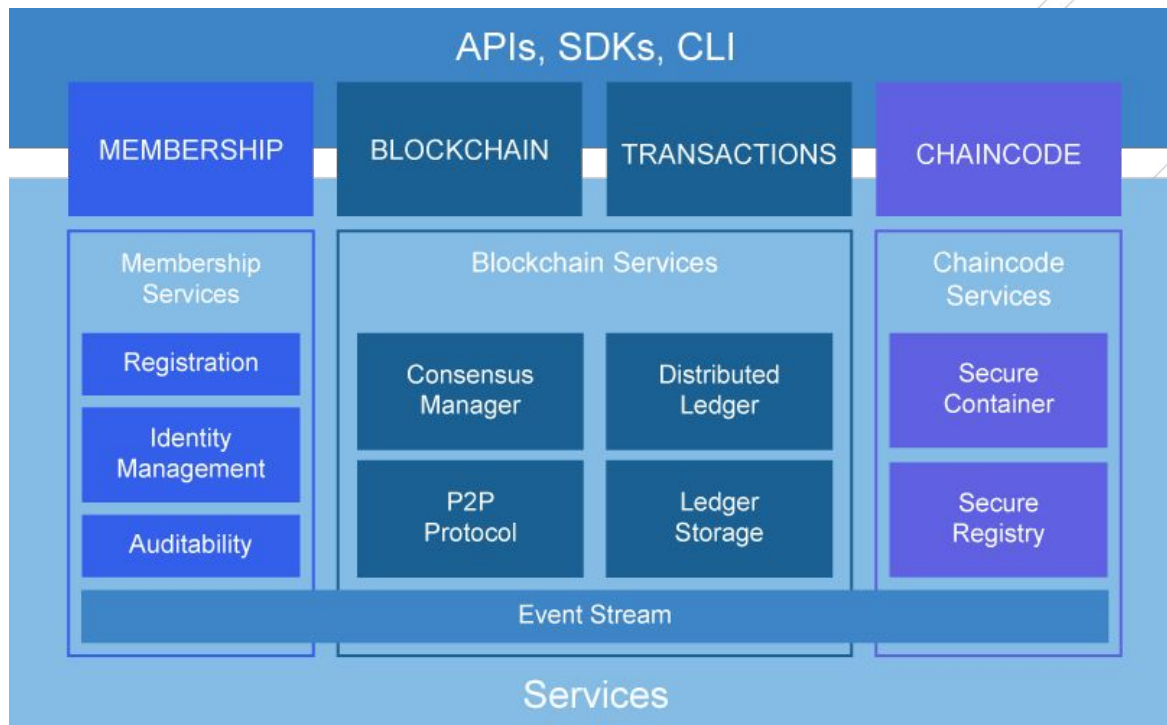
What is Hyperledger?

Hyperledger is an open source collaborative effort for cross-border blockchain technologies.

Key Points about Hyperledger:

- Hyperledger is not a cryptocurrency.
- Hyperledger is built by Linux Foundations where developer and companies meet and collaborate to create a blockchain framework.
- The Linux Foundation founded the Platform in 2015.
- Currently, Hyperledger is supported by more than 100 members including IBM, Intel, Samsung, JP Morgan etc.

Hyperledger Architecture



Hyperledger Umbrella Projects

Infrastructure

Technical, Legal, Marketing,
Organizational

Ecosystem that accelerate
open development and
commercial adoption

Cloud Foundry

Node.js

Hyperledger

Open Container
Initiative

Frameworks

Meaningfully differentiated approaches
to business blockchain frameworks
development by a growing community of
communities

Hyperledger
Indy

Hyperledger
Fabric

Hyperledger
Iroha

Hyperledger
Sawtooth

Hyperledger
Burrow

Tools

Typically built for one framework, and
through common licence and community
of communities approach, ported to
other frameworks

Hyperledger
Composer

Hyperledger
Explorer

Hyperledger
Cello

Hyperledger Umbrella Projects

- **Hyperledger Fabric:** This project is lead by IBM. Hyperledger Fabric is a plug and play implementation of blockchain technology with a flexible degree of permissions.
- **Hyperledger Sawtooth:** This project is developed by Intel, using a new consensus algorithm called Proof of Elapsed Time (PoeT).
- **Hyperledger Iroha:** This project is developed by Soramitsu, Hitachi, NTT Data and Colu, with emphasis on mobile application development and a new, chain-based Byzantine Fault Tolerant consensus algorithm, called Sumeragi
- **Hyperledger Burrow:** Hyperledger Burrow was originally contributed by Monax and co-sponsored by Intel. This project provides a permissible smart contract machine along the specification of Ethereum Virtual Machine.
- **Hyperledger Indy:** The Indy code base, originally developed by Evernym, was donated to the Sovrin Foundation to establish a strong open source foundation for the Sovrin Network. Hyperledger Indy is a distributed ledger, purpose-built for decentralized identity.

Hyperledger Umbrella Projects

- **Hyperledger Composer:** Hyperledger Composer is a set of collaboration tools for building blockchain business networks by creating smart contracts and blockchain applications.
- **Hyperledger Explorer:** Originally contributed by IBM, Intel and DTCC. It creates a user-friendly Web application, where you can view, invoke, deploy or query blocks, as well as any other relevant data stored on the ledger.
- **Hyperledger Cello:** Initially contributed by IBM, Soramitsu, Huawei and Intel. This project aims to bring the on-demand deployment model to the blockchain ecosystem to reduce the effort required for creating, managing and terminating blockchains.
- **Hyperledger Caliper:** This is the performance benchmark tool for the Hyperledger Projects, contributed by Huawei, Hyperchain, Oracle, Bitwise, Soramitsu, IBM and the Budapest University of Technology and Economics
- **Hyperledger Quilt:** NTT Data and Ripple contributed to this project, to create interoperability between ledger systems by implementing the Interledger protocol.



THANK YOU!

Any questions?
You can mail us at
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