



Introducing blockchain fabrics



Blockchain fabric

- A fabric is:
 - The technology foundation for implementing a blockchain network
 - Can include nodes, APIs, membership services, and more
 - Can be optimized for a single blockchain network or allow you to create multiple networks
 - Can be optimized for trusted participants or untrusted participants
- Several fabrics exist today
 - Examples: Bitcoin, IBM Blockchain, Ripple, Ethereum

Types of blockchain fabrics



Source: Tim Swanson (April 6, 2015), [“Consensus-as-a-service: a brief report on the emergence of permissioned, distributed ledger systems”](#), p. 39, CC BY-SA

Hyperledger project

- Linux Foundation announced the project 17 December 2015.
- New Hyperledger project to transform the way business transactions are conducted around the world.
- Project members understand that an open source, collaborative development strategy supporting multiple players in multiple industries is required.
- Several companies have submitted candidates for the base code; IBM's is called Fabric:
 - <https://github.com/hyperledger/fabric>

Enable adoption of shared ledger technology at a pace and depth
not achievable by any one company or industry

IBM offerings that support Hyperledger Fabric

LINUX FOUNDATION
HYPERLEDGER
PROJECT

IBM Blockchain
ON IBM CLOUD

IBM Blockchain
SOLUTIONS

**BLUEMIX
SERVICE**



Blockchain

Managed service on IBM Cloud

Your private blockchain network in 1 click

- Starter Developer Network
- High Security Business Network

Learn with sample applications

Develop your own smart contracts

<http://www.ibm.com/blockchain/>