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A part of the Linux Foundation

Through transparent open governance, Hyperledger Foundation enables developers, enterprises, and organizations to collaboratively build, share, and enhance blockchain frameworks and tools.

By embracing the open-source principles established by the Linux Foundation, Hyperledger Foundation promotes interoperability and standardization, paving the way for the widespread adoption of secure and scalable digital trust solutions across industries and sectors.





Hyperledger

Thank you Members!

Membership provides valuable access to a global community of blockchain and distributed ledger technology experts, fostering collaboration and innovation in the rapidly evolving blockchain space.

accenture HITACHI **Inspire the Next Premier Members** General Members CHAINYARD O Chainlink De Cheesecake Labs Curculor citi absa appliedblockchair blocklabs BONBLOC Deloitte. Digital Asset 🔘 energy web 🙋 Espeo 💿 Fiscole Fauntation FUITSU Golodgor Corsha **DSR** T CVSHealth. AIRPOINT SIDS Infosys Finstnt intellect ToBuilders K warformer JPX KrypC TRM Indicio 🚯 kaleido Milligan Partners NEC NTTDATA ORACLE PARAMOUNT r3. ripple SDAX C SEIYAJ SENOFI SIEMENS 2 zeeve SPYDRA \$TASSETS" CONSULTANCY Stoposware Covaidation Cloud VISA Walmart 1 W. Web3 Labs Associate Members Carlor Statementer Martiner Martiner Martiner Martiner 36 DIGITAL CAICT 由制使油的 D€A (E =___ . LACCHAIN kiva Townerfier мові ٢ **(** *UTN

SEE ALL MEMBERS

Our Supporting Members in Brazil

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PLUS ALL OUR REGIONAL COUNTRY MEMBERS!!!



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WHY HYPERLEDGER FOUNDATION?

We believe that...

+ Open source+ Open development+ Open governance

IS THE FUTURE OF DECENTRALIZED TECHNOLOGIES



What do we mean by...?

Open Source

A public repository of code that anyone can use, evaluate, contribute to and build upon for any purpose

Open Development

There is a community actively building open source code in the open

Open Governance

Procedures and roles for the community, how decisions and priorities are made for the project roadmap is openly defined and managed





Since 2015 the Hyperledger community has been building and shaping the enterprise blockchain market, with frameworks, tools and libraries that support real world needs.

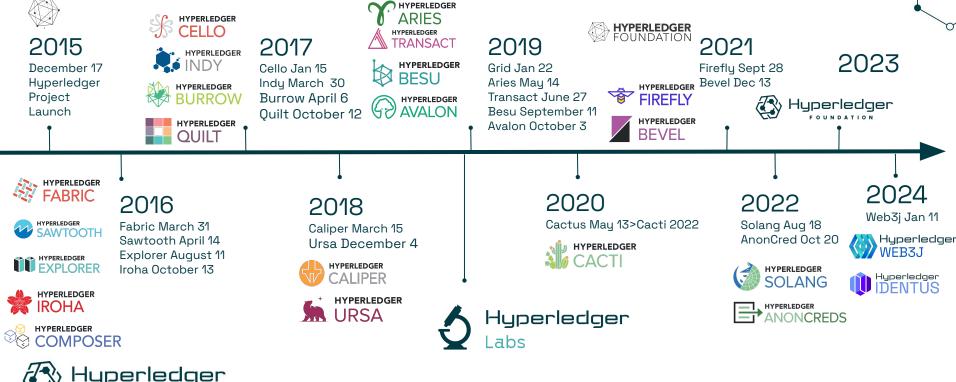
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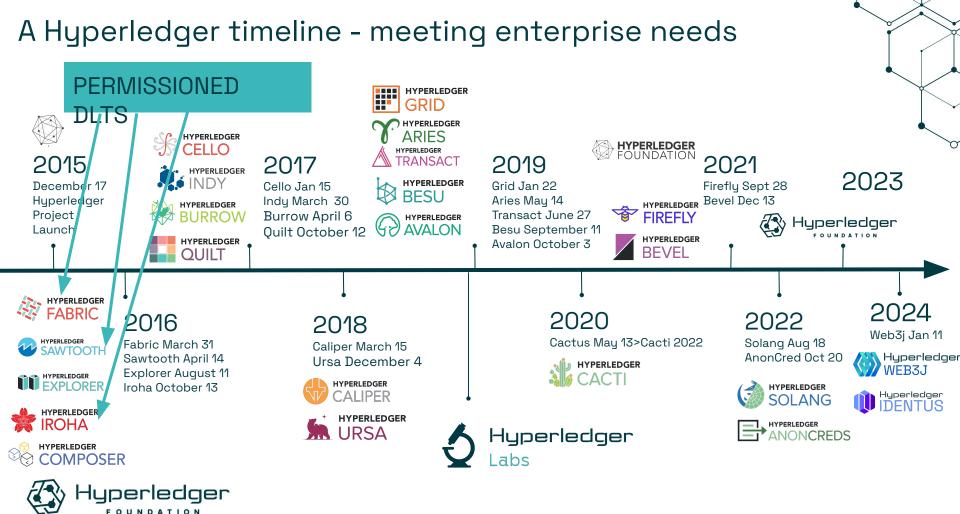
our journey

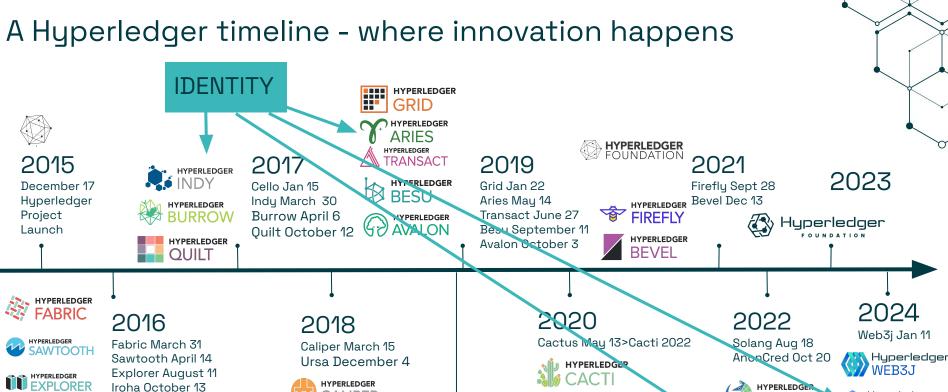


A Hyperledger timeline - meeting enterprise needs



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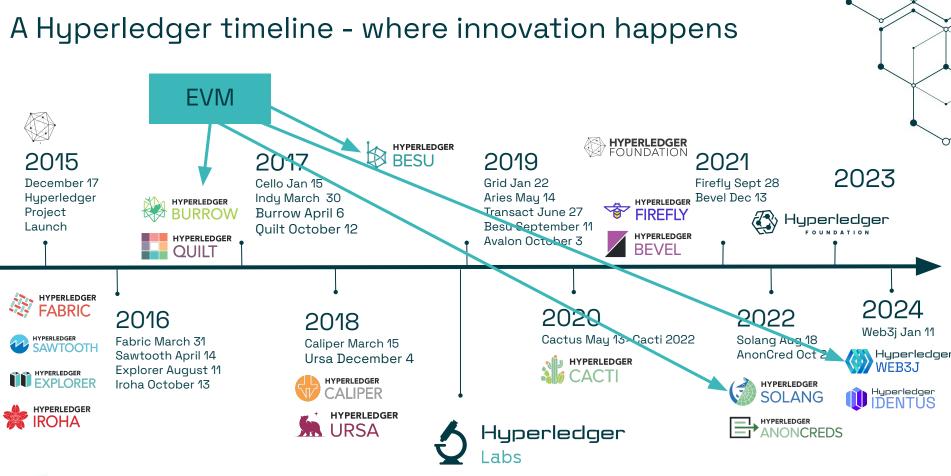
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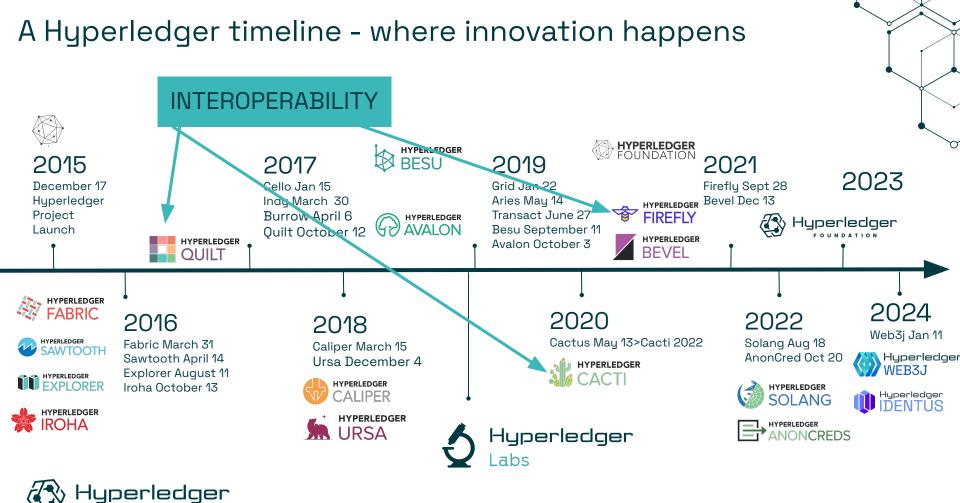
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HYPERLEDGER CALIPER

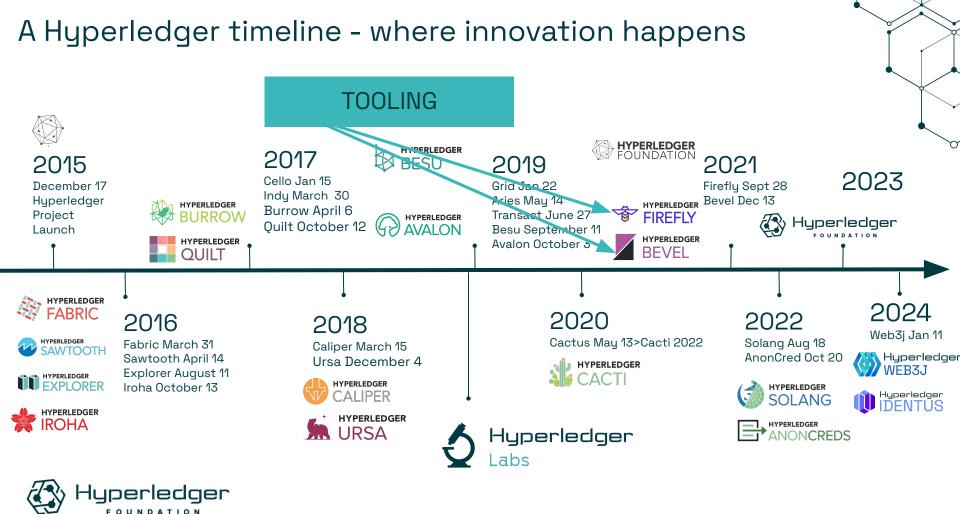




Hyperledger



OUNDATION



we look forward

The Impact of Decentralized Technologies

- Rapidly reshaping markets and disrupting traditional business models and systems
- Essential to emerging tokenized asset classes and networks
- Modernizing core infrastructure in finance, trade, government, healthcare, and more



Asset Tokenization alone has a predicted market cap of \$16 trillion by 2030





INTRODUCING



LF DECENTRALIZED TRUST

launching early September 2024



Decentralized technologies refer to systems and applications that distribute data, processing, and control across multiple points in a network rather than relying on a single central authority.

This approach can enhance security, privacy, and resilience against failures or attacks.

Examples:

- Blockchains
- Distributed Ledgers
- Smart Contracts
- Decentralized File Storage
- Decentralized Identity Systems
- Zero-knowledge proofs
- Multiparty Computation
- Federated Systems



A Market Timed expansion for decentralized technologies



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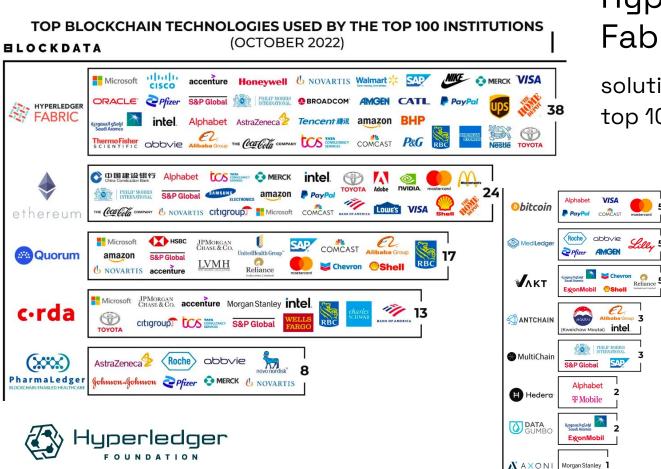
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Photo by Umberto on Unsplash

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https://www.blockdata.tech/blog/general/the-state-of-enterprise-blockchain-in-2022

Hyperledger Fabric was preferred solution for 38% of the top 100 companies in 2022.

> Openly developed by the world's leading companies like,

> IBM, Hitachi, Huawei, Oracle and more



Fabric v3.0 Coming Soon is the first release to provide a BFT ordering service based on the SmartBFT consensus library.

New Maintainer! Tatsuya Sato HITACHI









Global Hyperledger Fabric Use Cases : Supply Chain



MEMBER COMPANY

TECHNOLOGY USED



Traceability Electronic Vehicle Battery Passports



AUTONOMOUS & ELECTRIC MOBILITY | AV/EM NEWS | ELECTRIFICATION

EU to Enact EV Battery 'Passport' in 2027

By Austin Weber



Digital Money

Allow peer-to-peer transactions and cross-border payments

Reduce transaction times and costs by eliminating intermediaries, allowing for faster and more efficient payments.

Make banking services more accessible to unbanked or underbanked populations, providing them with access to financial services and promoting financial inclusion.

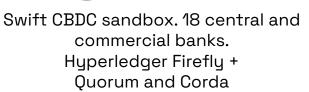
Download ebook



Recent Workshop

Wholesale CBDC with Hyperledger Fabric and Cacti and Token SDK

Recently selected Hyperledger Besu for their CBDC projects.





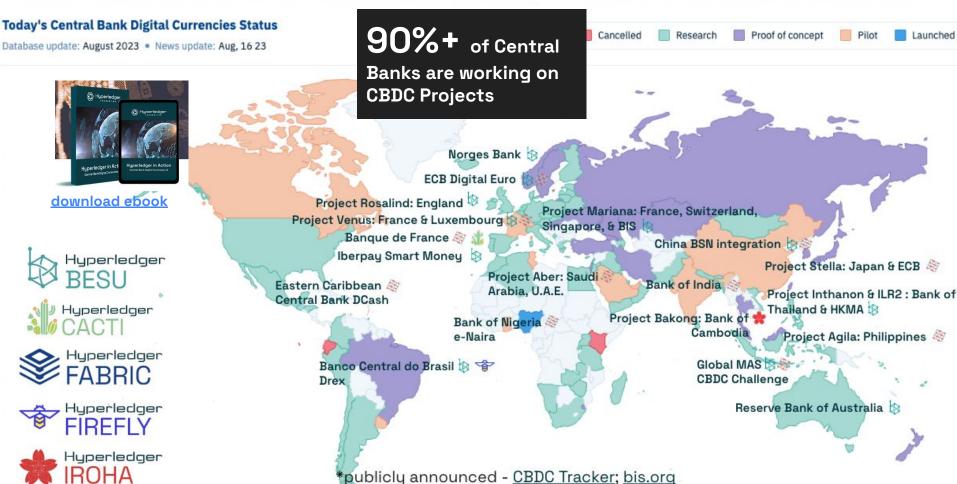




CBDC projects and experimentations with Hyperledger tech around the world*

Launched

Pilot



Swift CBDC Sandbox



- The live sandbox developed for Swift by Kaleido using Hyperledger Firefly hosts 18 central banks and commercial banks to help define the future of CBDCs in cross-border payments.
- The sandbox provided an environment for financial institutions to collaborate, explore, assess, and improve our experimental CBDC interlinking solution – as well as to define the next generation of supported payment flows and use cases.
- More than 30 financial institutions across the world are taking part in the second phase of sandbox experiments to explore further use cases



Our solution has been successfully tested across almost 5,000 transactions between two different blockchain networks and a traditional fiat currency, and we're delighted to have the support of our community in developing it further.

Tom Zschach Chief Innovation Officer, Swift

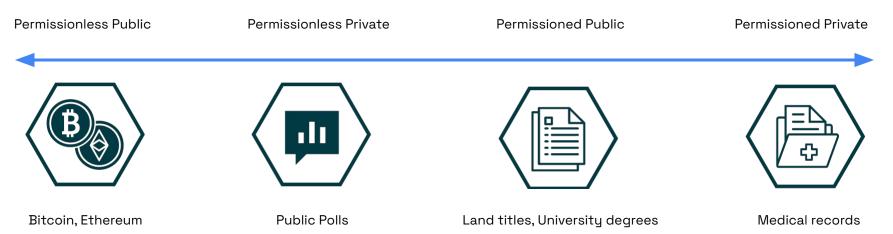


Read phase 1 report Read Phase 2 report



Spectrum of blockchains - for today's enterprise not one size fits all!

Permissioned vs. Permissionless: Who can write to a Blockchain (accessibility) **Public vs. Private:** Who can read from a Blockchain (visibility)





- Hyperledger Besu is an open source Ethereum execution client written in Java.
- Public and Private Options
- Besu implements the EEA specification.
- Besu can run all Ethereum smart contracts, and you can use all Ethereum ERC Standards on it, including:
 - ERC-20 Fungible Tokens
 - ERC-721 NFT Tokens
- Besu is being used by many in the financial industry as well as those that **wish to work in both the public and private blockchain space** or those that don't want to have to make a firm decision between working on public or private chains.

FORBES > FORBES DIGITAL ASSETS

Hyperledger Unanimously Approves First Ethereum Codebase For Enterprises

Forbes







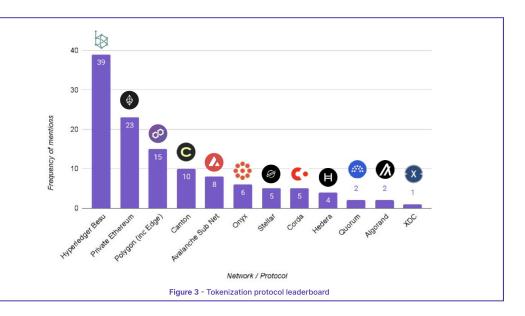
Market Leading

A recent analysis by Blockdaemon of the technology powering the global tokenization ecosystem found that Hyperledger Besu was the most frequently mentioned protocol in a survey of 92 different firms, ranging from bank asset managers to clearing houses.

40% of the surveyed firms



cited Hyperledger Besu





Feb 2024: https://www.blockdaemon.com/resources/tokenization-data-insights

Client Diversity Is NOT Optional : Besu is critical

Client Distribution View Staking Pool Diversity Goal: <33% Danger: >50%			
Consensus Clients Client diversity has improved!	Execution Clients Switch from Geth to a minority client!	Besu has ~14% share of all Ethereum mainnet	
Prysm - 37.99% Lighthouse - 30.33% Teku - 19.63% Nimbus - 11.13% Lodestar - 0.91% Other - 0.0%	Geth - 55% Nethermind - 28% Besu - 14% Erigon - 3% Other - 0% Data provided by <u>supermajority,info</u> — updated manually.	nodes. Besu has received one of the Ethereum Client Incentive Program (CIP) grants for developers.	
Grandine - 0.0% Data provided by <u>Sigma Prime's Blockprint</u> — updated daily. Data may not be 100% accurate. (<u>Read more</u>)	Data may not be 100% accurate. (<u>Read more</u>) Based on 66.1% self-reported network coverage with the remaining assumed to be mostly Geth.		

Juperledger

Besu Financial Services Working Group

The mission is driving working sessions for enterprise users and code contributors to come together for:

- Identifying challenges that enterprise users face when operationalizing Besu for enterprise use cases
- Defining new features and enhancements that drive alignment between Besu and enterprise-level requirements

The main deliverables expected to come out of this WG include, but are not limited to:

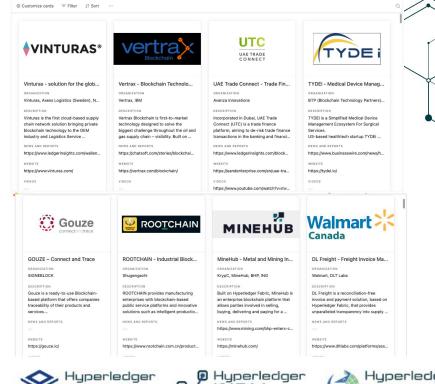
- A prioritized and detailed list of enhancements of existing features of Besu
- A prioritized and detailed list of new features of Besu
- A prioritized and detailed list of technical limitations of Besu
- A list of recommended practices of Besu for enterprise use cases





https://wiki.hyperledger.org/display/BFFWG/

Use case tracker: Explore 200+ use cases built with Hyperledger technologies









ARIES





Huperledger

FABRIC Hyperledger FIREFLY



Huperledger







The Promise of Decentralized Technologies

Open source is open to all

+ Open source+ Open development+ Open governance

IS THE FUTURE OF DECENTRALIZED TECHNOLOGIES









Daniela Barbosa Linux Foundation Hyperledger Foundation



Marcelo Gracietti

CEO Cheesecake

Labs





Sophia Lopez Founder and President Kaleido





Ready to shape the future of decentralized technologies?

https://www.huperledger.org/join-us