

Crafting Digital Excellence, Byte by Byte.

Latin America's #1 software outsourcing & staffing company. With 300+ products delivered, we lead in Mobile, Web, and Blockchain innovations.













- 01 Interoperability
- 02 Hyperledger Cacti
- 03 Stellar Connector
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Doug and Fifo, from Cheesecake Labs.

For over a decade we help scale up startups and enterprises in the US, accelerate digital innovation, with nearshore software design & development for Web2 and Web3, without compromising quality and cost-effective.





We are Stellar Integration Partner and Hyperledger Foundation Member.

We have delivered for:

- Hyperledger
- Stellar
- Cardano
- Ethereum
- Polygon
- Solana

And are experienced with:

- Blockchain Consulting & Development
- Asset Tokenization
- Smart Contracts
- Decentralized Finance (DeFi)
- Digital Wallets



Interoperability



The blockchain ecosystem is FRAGMENTED.

And on a user perspective is LIMITING its potential.





Each network have its <u>ETHOS</u> to handle security, privacy, and governance.

Ethos



Each network have its <u>ETHOS</u> to handle security, privacy, and governance.

"a single chain to rule them all"

We believe that the ecosystem should continue with its <u>DIVERSITY</u>.

Connectivity



SILOS



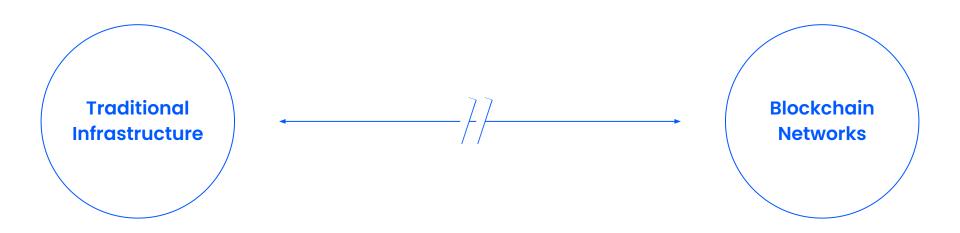
SILOS CONNECTIONS



SILOS CONNECTIONS EXPANDING CAPABILITIES

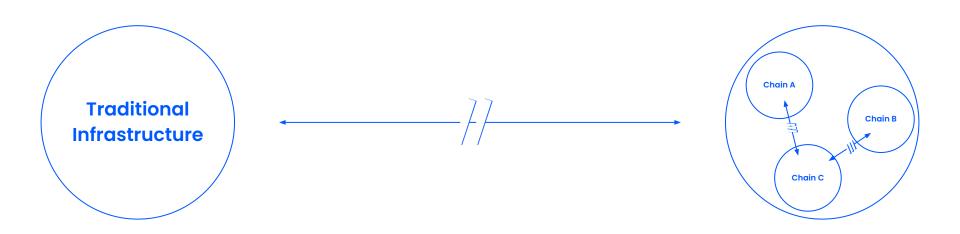


It's hard enough that in many cases there is no way to <u>INTEGRATE</u> to the traditional world.





We should not <u>ALLOW</u> the same to happen in the digital space.



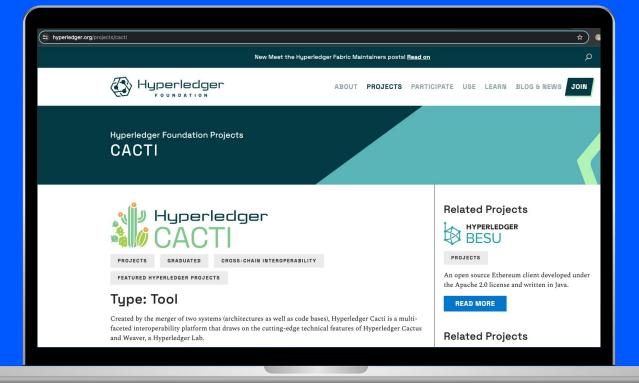
Interoperability



INTEROPERABILITY should not be a buzzword but a REALITY.







CACTI

It's a interoperability framework built to link blockchain technologies and run transactions spanning multiple networks.

By abstracting the application layer from the DLT protocol, it allows DLT networks to interact with atomic transactions and state commits.





PROJECTS

BRADUATED

CROSS-CHAIN INTEROPERABILITY

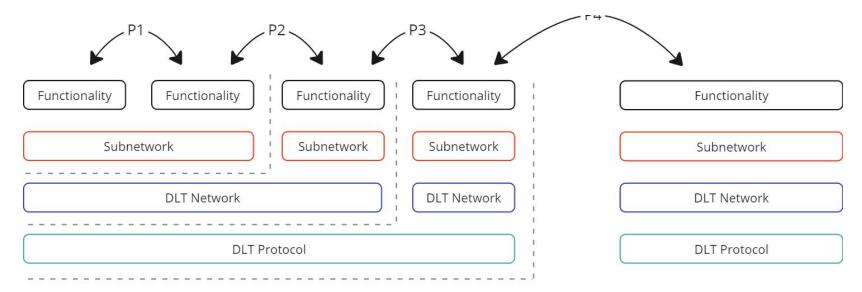
FEATURED HYPERLEDGER PROJECTS

INTRODUCING
HYPERLEDGER CACTUS
HYPERLEDGER CACTUS
HYPERLEDGER CACTUS
A MULTI-FACETED
PLUGGABLE
INTEROPERABILITY
FRAMEWORK

HYPERLEDGER | NOV 7, 2022

P-levels for Potentiality





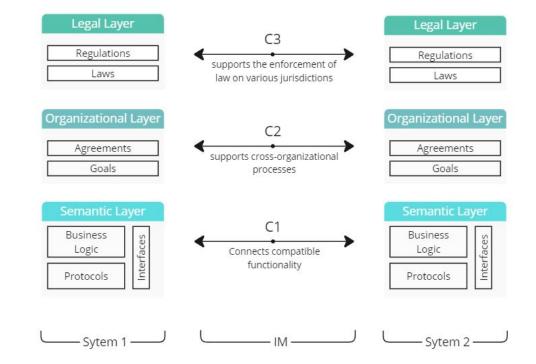




C-levels for Compatibility



The higher the C-level, the more standardized and mature the ecosystem

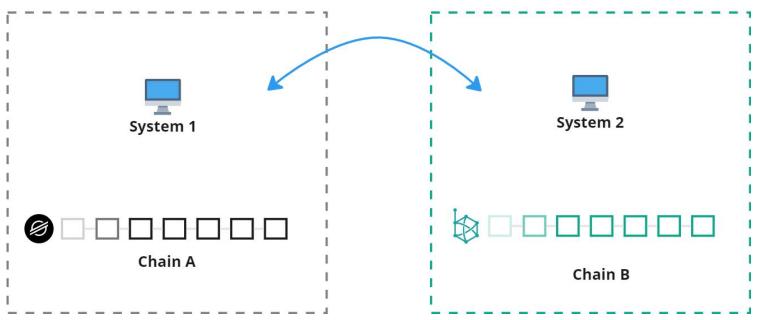




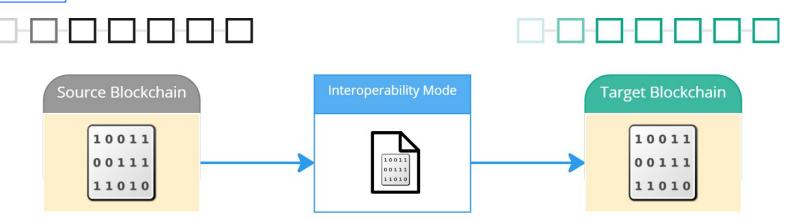


Potentiality: P4

Compatibility: C3



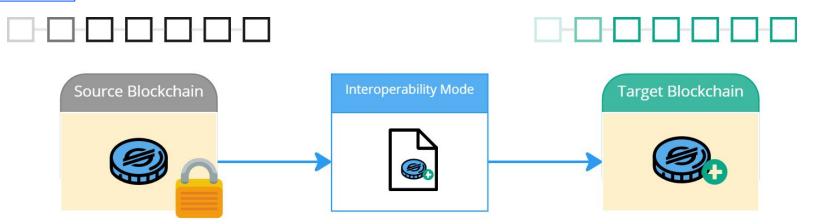




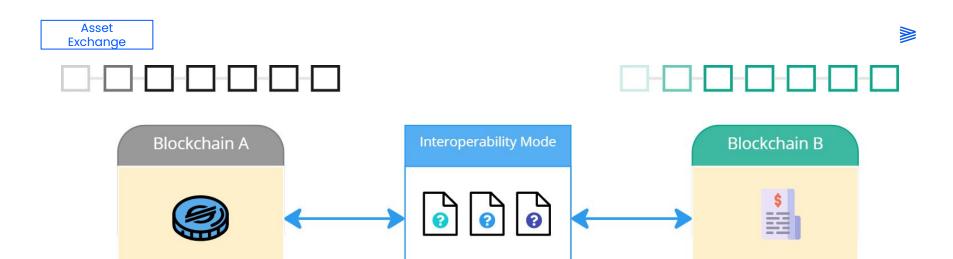
Data is copied from one DLT to another, with an optional intermediate processing step. For example, copying price information from one DLT into another. Data can be copied from one ledger to the other (typically no cross-chain conditions are implied in data transfers)



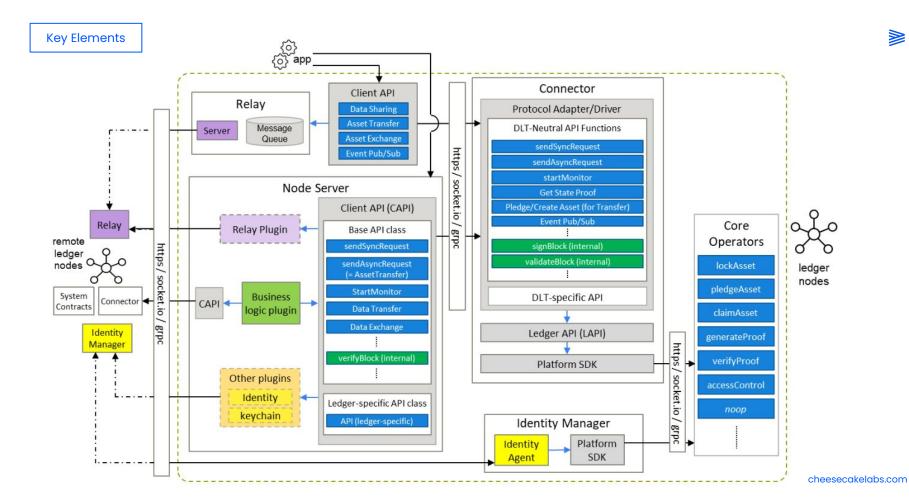




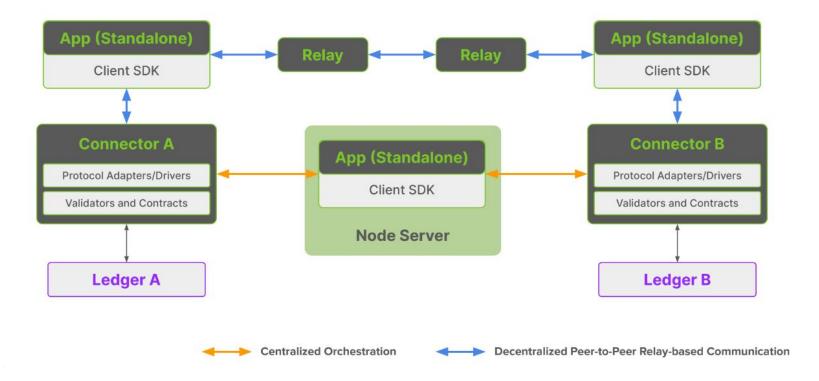
Unilateral or bilateral asset transfers. Assets are transferred from one DLT network to another (implies burning or locking the asset on the source DLT network). For example, locking Bitcoin to a multi-signature address on the bitcoin blockchain and minting a representative asset on the Ethereum blockchain.

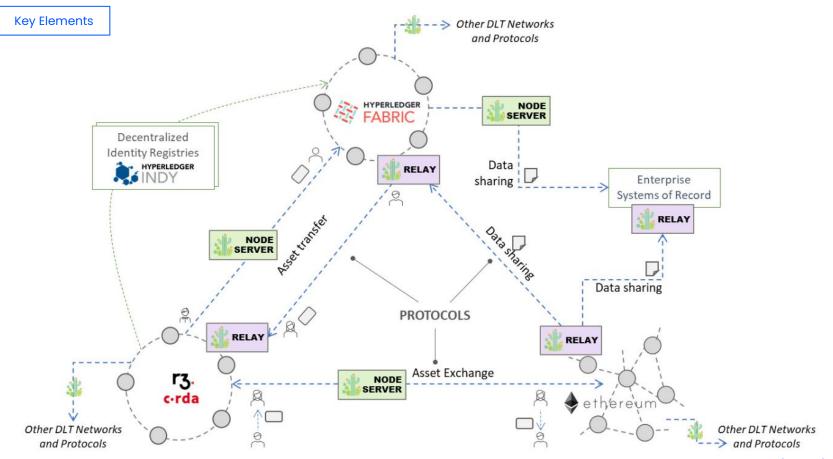


Atomic asset transfers. Assets are exchanged in their respective DLT network, i.e., no transfers across DLT networks occur. Participants need to be present in both chains for this exchange to happen. For example, using hash time lock contracts.

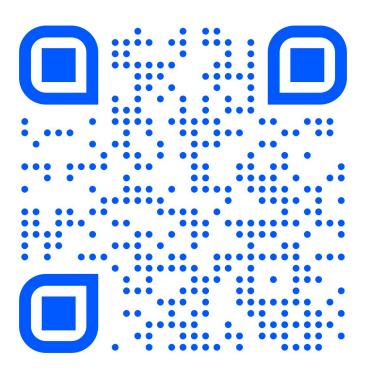






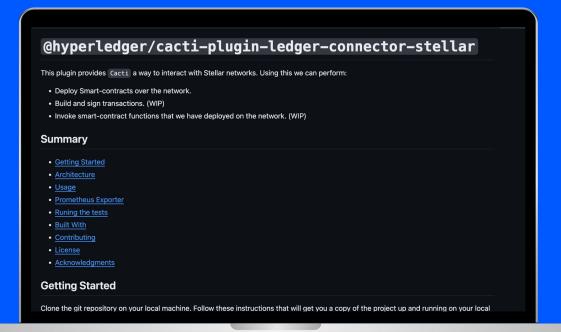












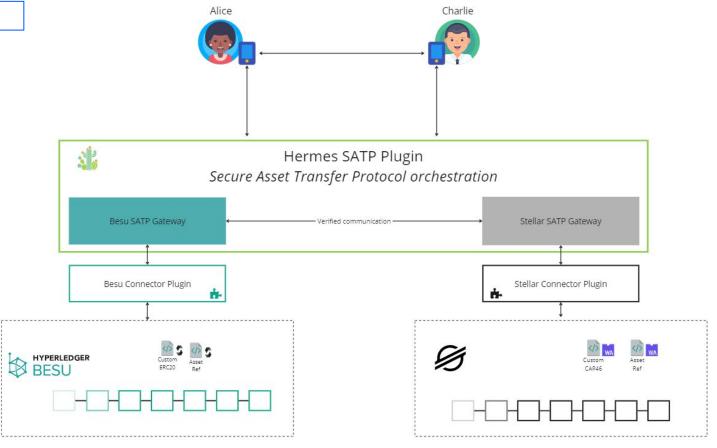


First version bridging assets between

Stellar Soroban and Hyperledger Besu.









Alice wants to send some funds from her Stellar account to hear friend Charlie in Besu network

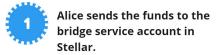


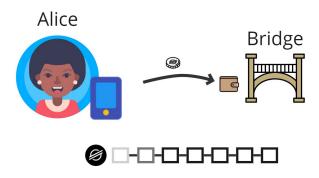


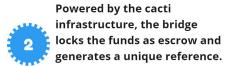


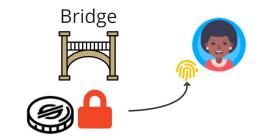






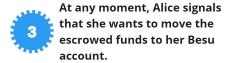




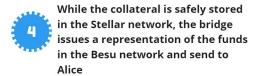












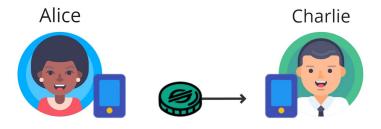






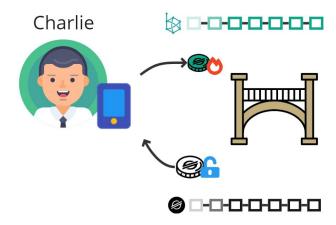


Alice then sends the Besu tokens to her friend Charlie.

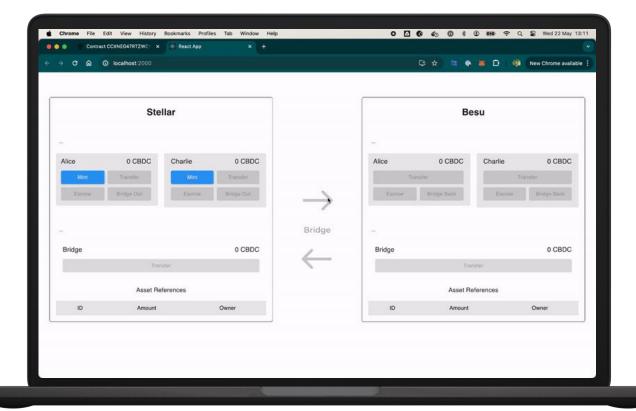




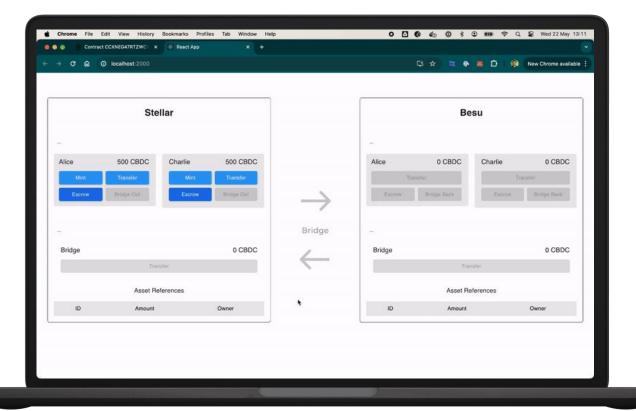
While the representation token exists in the Besu network, the escrowed amount will remain locked in Stellar. Charlie or any other account, can send the tokens back to the bridge account to be destroyed, releasing the escrowed amount to their account in Stellar



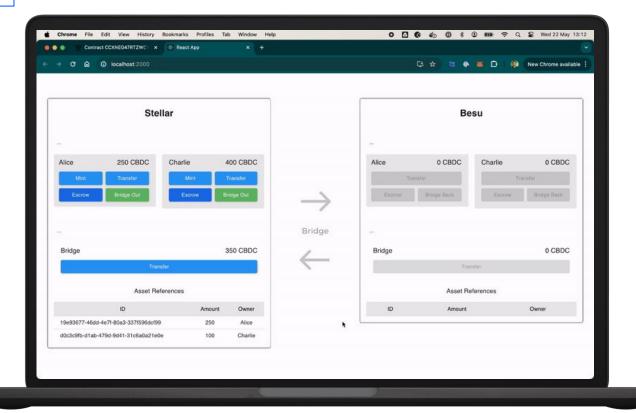




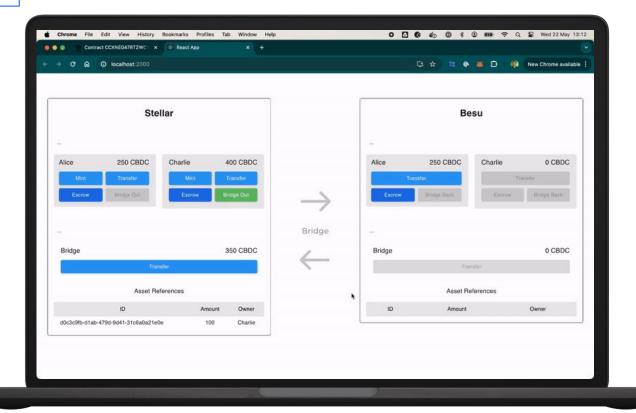












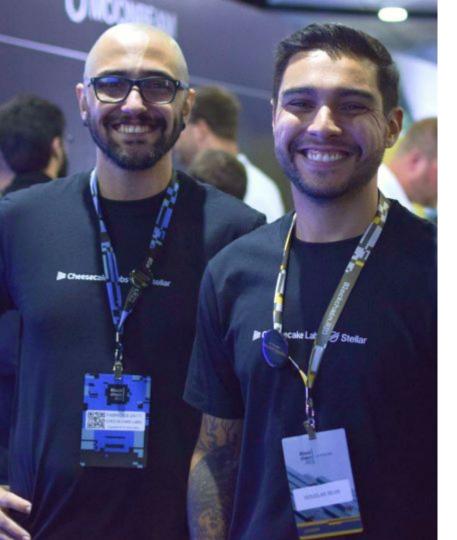
Connector



More to come on:

Improving SATP implementation Supporting Stellar Classic





Got a question?
Please, feel free to ask.

Thank you!



Doug Gimli CBDO & Partner

doug@cheesecakelabs.com

in /douglasgimli



Fifo Zatti Principal Blockchain Engineer

fabricius@cheesecakelabs.com

in /oififo

Florianopolis, SC

+55 48 3206-5246 260 Des. Vitor Lima Avenue, 10th Floor San Francisco, CA

415 691 6007 391 Sutter St, Suite 704 #94108

