Hyperbridge for Universal Blockchain Interoperability

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Table of Contents

- Crosschain and Interoperability through Wanchain
- Crosschain Interoperability Technology
- Hyperbridge and Interoperability
Crosschain and Interoperability Through Wanchain
Crosschain

How is Wanchain implementing crosschain?

- Built blockchain platform to enable decentralized transfers of value and assets
- Developed crosschain transactions between Wanchain blockchain and Ethereum/Bitcoin blockchain
- In the process of building generic crosschain and interoperability capability for heterogeneous blockchains
Wanchain Milestones

Jan 2018  Wanchain mainnet launch
Jul 2018  Wanchain <-> Ethereum Crosschain release
Oct 2018  Wanchain <-> Bitcoin and ERC20 Crosschain Beta release
Q4 2018  Wanchain <-> Bitcoin and ERC20 Crosschain production release
Q1 2019  Wanchain <-> Additional ERC20 Crosschain production release
Q3 2019  Wanchain Galaxy PoS Consensus release
Q4 2019  General interoperability and hyperledger bridge test release
Wanchain Nodes and Application Topology
Crosschain Interoperability Technology

- Oracle External Connection
- Inter-Ledger Protocol
- Blockchain Relays
- Sidechain technology
- Polkadot
- Cosmos
- Wanchain crosschain
Oracle External Connection

Legacy IT

Oracle

Oracle

Bitcoin

Bitcoin

Ethereum

Ethereum
ILP Crosschain

Interledger Protocol

Connector

Connector

Quilt

Hyperledger Fabric
BTC-Relay uses smart contracts in Ethereum blockchain to connect to BTC blockchain in a decentralized way.
Crosschain Through Side-Chain Technology

(Two-Way Peg)

(Atomic Swap)

(Time Lock and Secret Hash)
Polkadot for Crosschain for Heterogeneous Blockchains

Polkadot Structure and Components

- Blockchain
- Nominator
- Bridges
- Validator
- Parachains
- Collator
- Relay-Chain
- Fisherman
Cosmos: Decentralized Scalable Crosschain

Cosmos hub

Cosmos space

“IBC” Mechanism
Storeman Mechanism for Crosschain
Crosschain Blockchain Explorer
Hyperledger Bridge and Interoperability
Overview of Comprehensive Crosschain Components with Blockchain Interoperability
Schematic Diagram of Heterogeneous Crosschain Bridging with Interbridge Consensus

Crosschain Bridge Port, Box 201

Crosschain Bridge, Box 202

Crosschain Bridge Consensus, Box 203

Blockchain A
204

Blockchain B
205
Schematic Diagram of Crosschain Bridge Link with Inter-Bridge Connection and Consensus
Wanchain Crosschain Applications
Official Website: wanchain.org

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Questions:

What are the use cases for interoperability?

What are the challenges and pain points for achieving interoperability standards?