



# InkBridge

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## Transit bridge

- Current projects in Polkadot



PolkBTC

**Snowfork**

- Shortcomings
  - Costly, because they require slots to join the ecology
  - Only transfer value
  - Inefficient, one bridge for one chain

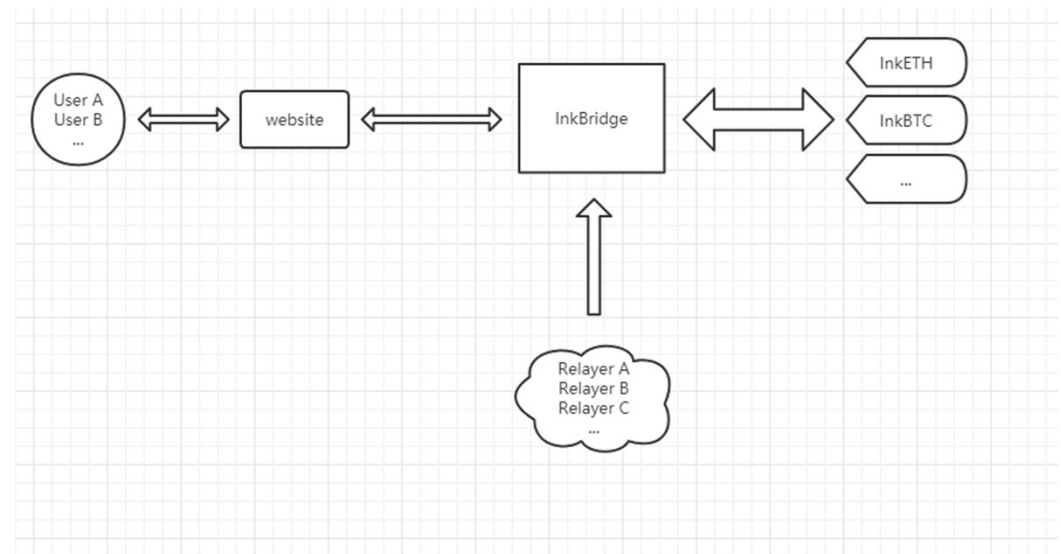
# InkBridge

- Our target
  - an underlying platform that provides cross-chain services based on Wasm contract technology
  - a contract-based light node
- Advantages
  - Provides chain information verification, not only value transfer
  - High scalability, easy to connect on contract level
  - Low cost, no need for slots
  - Rely on Patract development suites, more friendly



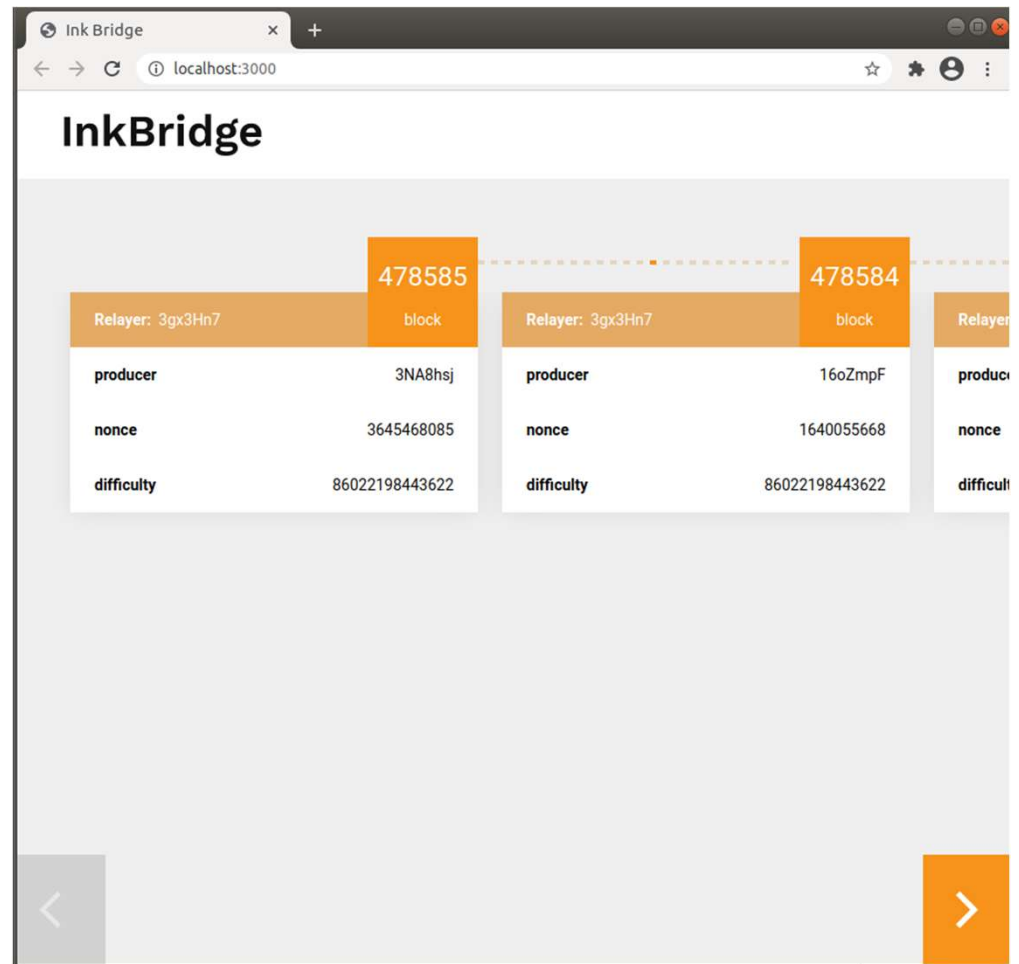
# Technical Design

- InkBridge Contract
  - Chain information storage
  - Upper-level application interfaces

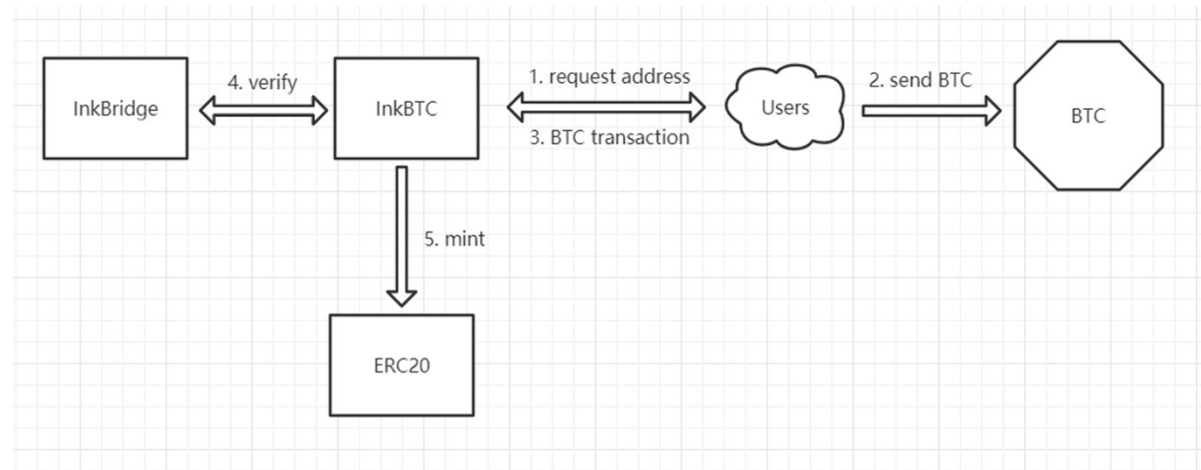


# Technical Design

- Relayer  
push headers to the contract
- Front-end  
show states of contract
- Upper application



# InkBTC demo



InkBTC

qlushu1 (extension) ▼

Request Address

Verify

Request

inkBTC balance  
0.348061

## Project progress

- InkBridge contract
  - ✓ Receive block submission
  - ✓ Provide interfaces
- Relayer
  - ✓ Submit blocks to contract
- Front-end
  - ✓ Finish both bridge and InkBTC websites
- InkBTC
  - ✓ demo application

## Development plan

- 2021 first quarter
  - ✓ BTC support
  - ✓ Deploy to Jupiter,Canvas,etc
- 2021 second quarter
  - ✓ ETH support
  - ✓ Improve the economic model and DAO model
  - ✓ Integrate Patract tool suites
- Follow-up
  - ✓ Non-pow chain support



## Operation plan

- Development doc
- Cooperation with well-know Wasm contract platforms like Patract
- Developer community and governance model

## Business model

- Non-profit organization
- Verification fee will be transferred to treasury