

bitpanda

Crosschain Workshop 2021

Pantos Project

Crowdfunding Blockchain Interaction

March 10th, 2021

Disclaimer

- This is not an investment advice.
- This presentation most of all represents a story. Take everything I say with a grain of salt.
- Any ideas presented are merely a subset of ideas we currently discuss internally. The how of Pantos might thus be technically very different from what we discuss today.



Overview

- What are we aiming for?
- Who is involved right now?
- A bit of historic context
- A possible solution



Pantos Project – the idea

move Tokens from one blockchain to another

- move, not lock
- blockchain-agnostic
- decentralized
- open-source
- research focused



Pantos Project – but why?

move Tokens from one blockchain to another

- blockchain-independent value
- basis for transfer of information
- basis for cross-blockchain smart contract calls
- bring competing blockchains closer together by celebrating synergy effects



Pantos Project – who is in?

- **Bitpanda** (Christian, ~~Christoph~~, Christof, ~~Daniel~~, Eric, Lukas, Lukas, Marius, Marsel, Markus, Oskar, Paul, Philip, Raphael, ~~Taneli~~)
- **TU Wien** (Giulia, ~~Marten~~, Leonhard, ~~Michael~~, Michael, ~~Philipp~~, Stefan)
- **ABC** (Alexander, Alexander, Vinzenz)
- **RBI** (Gernot, Stefan, Vid)
- **Billon DLT** (Dominik, Dominik, Jacek, Jan, Wojciech)
- **IOTA** (Alejandro, Billy, Dan, Dominik, Evaldas, Navin, Serguei)
- **Community** (4,000+ members on Telegram)



Pantos Project – but why?

- **Bitpanda** (initiator, driving force, lead)
- **TU Wien** (research technical foundations)
- **ABC** (research use cases and economic aspects)
- **RBI** (first institutional partner interested in an application of the technology)
- **Billon DLT** (permissioned blockchain, contractor)
- **IOTA** (tangle, innovator, internet of things)
- **Community** (private investors, believers and traders)



Uniting Force

ABC

Community

RBI

?

Bitpanda

Billon DLT

IOTA

TU Wien



Uniting Force

ABC

Community

RBI

**blockchain
interoperability**

Bitpanda

Billon DLT

IOTA

TU Wien



Pantos Project – DeXTT

- voting based
- protocols on each blockchain force synchronization
- expensive and slow
- reliable and decentralized
- transparent



Pantos Project – Testimonium

- cross-chain communication via relay
- security parameters of least secure blockchain
- transparent
- can become expensive



Pantos Project – transaction inclusion

- distinguish need for communication and method
- protocols to deliver the need
- abstractions to describe the method



Pantos Project – oracles

- distinguish need for communication and method
- protocols to deliver the communication
- abstractions to describe the method
- **but how to provide authority?**



Disclaimer II

I present selected ideas, merely a detail.

The concepts and designs herein are ideas, not promises. They might eventually turn into usable technology but the eventual solution for the Pantos network might also look vastly different.



Uniting Force

Cosmos

Polkadot

EOS

?

Ethereum

Billon DLT

IOTA Tangle

Bitcoin



Uniting Force

Cosmos

Polkadot

EOS

**global
stake**

Ethereum

Billon DLT

IOTA Tangle

Bitcoin



Pantos Project – a global stake

- DeXTT-like approach to synchronize authority
- global stake via global voting
- security of global stake
- carrier blockchain for optional global pre-consensus
- flexible oracle via local mechanism (relay, voting, etc.)
- speed of local blockchain



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Questions?

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