

Technische Universität Berlin

Documentation

IOSL: Distributed Identity Management in the Blockchain

Authors:

May 7, 2017

Contents

1	Introduction	1
2	Related Work	2
3	Concept and Design	3
4	Implementation	4
5	Evaluation	5
5.1	Blockchain Technology	5
5.1.1	Bitcoin	5
5.1.2	Ethereum	5
6	Conclusion	6
A	Code	7
	Bibliography	8

1 Introduction

2 Related Work

3 Concept and Design

4 Implementation

5 Evaluation

5.1 Blockchain Technology

The blockchain market as of the time of writing is not totally rough out. In the last years two main services stood out in particular, *Bitcoin* [1] and *Ethereum* [3].

5.1.1 Bitcoin

Non Touring complete <https://en.bitcoin.it/wiki/Script>

5.1.2 Ethereum

Ethereum is a decentralized platform for the creation an publication peer-to-peer of *smart contracts*. It ran out in *live* mode for the first time on July 2015 [2], and since then it received a strong consensus from the community in the last months [4].

Unlike Bitcoin, Ethereum provide a Turing Complete language, allowing the user to create a most detailed and adaptable contracts.

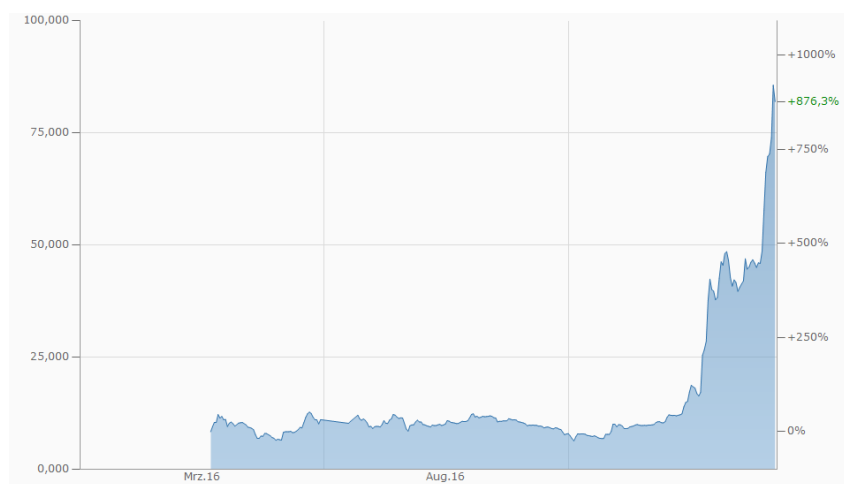


Figure 5.1: Ethereum - Euro exchange chart

6 Conclusion

A Code

Bibliography

- [1] Bitcoin. *Bitcoin website*. 2017. url: <https://bitcoin.org/> (visited on 05/06/2017).
- [2] Grace Caffyn. *Ethereum Launches Long-Awaited Decentralized App Network*. 2015. url: <http://www.coindesk.com/ethereum-decentralized-app-network-launch/> (visited on 05/06/2017).
- [3] Ethereum. *Ethereum website*. 2017. url: <https://www.ethereum.org> (visited on 05/06/2017).
- [4] *Ethereum Euro last 3 year chart*. 2017. url: <http://www.finanzen.net/devisen/ethereum-euro/chart> (visited on 05/06/2017).