

Technische Universität Berlin

Documentation

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# **IOSL: Distributed Identity Management in the Blockchain**

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# 1 Introduction

## **2 Related Work**

## 3 Concept and Design

### 3.1 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].

#### 3.1.1 Bitcoin

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

#### 3.1.2 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.

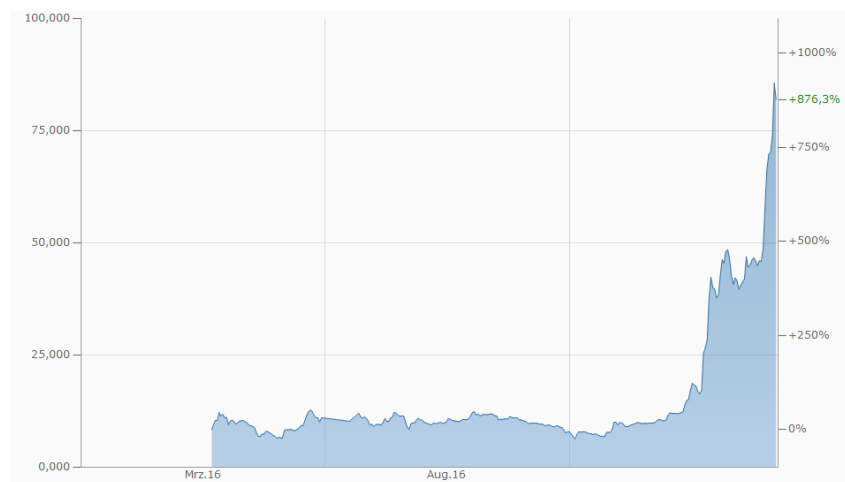


Figure 3.1: Ethereum - Euro exchange chart

## 4 Implementation

## 5 Evaluation

## 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).