

PyOTA



How I learned to stop worrying and Love the Tangle!

Jonas Weissensel

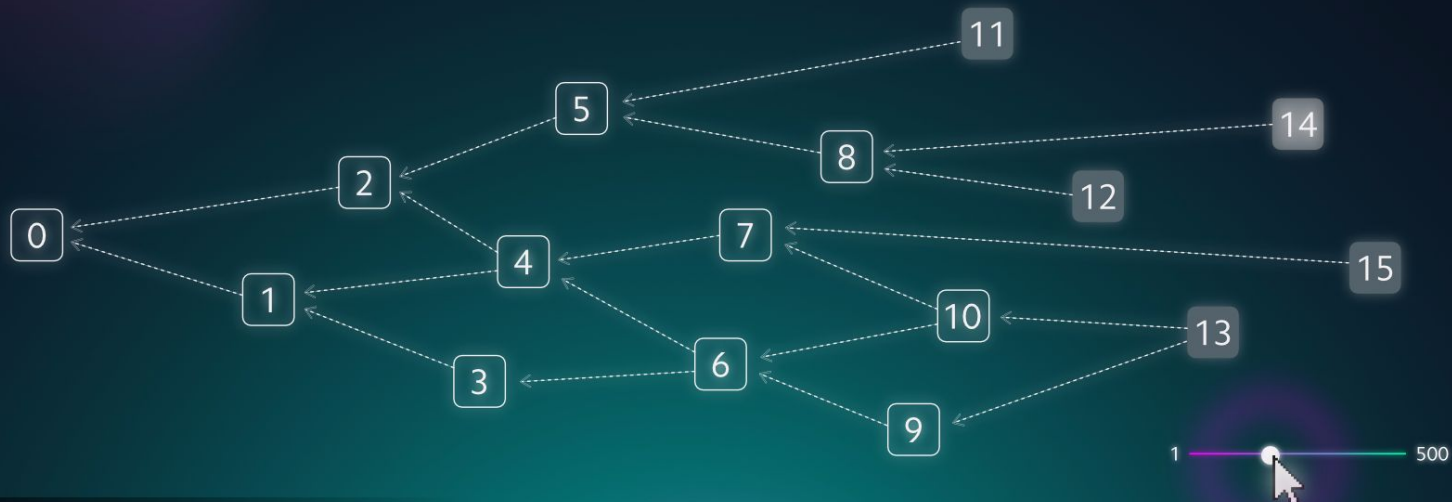
I am Jonas Weissensel

- working as Lead Developer @ Maritime Data Systems Gmbh
- living in Hamburg since 2016
- a big fan of Python, IoT, Cryptocurrencies

Agenda

- IOTA
- PyOTA
- Demo time!
- Pay-per-Use App

THE TANGLE:

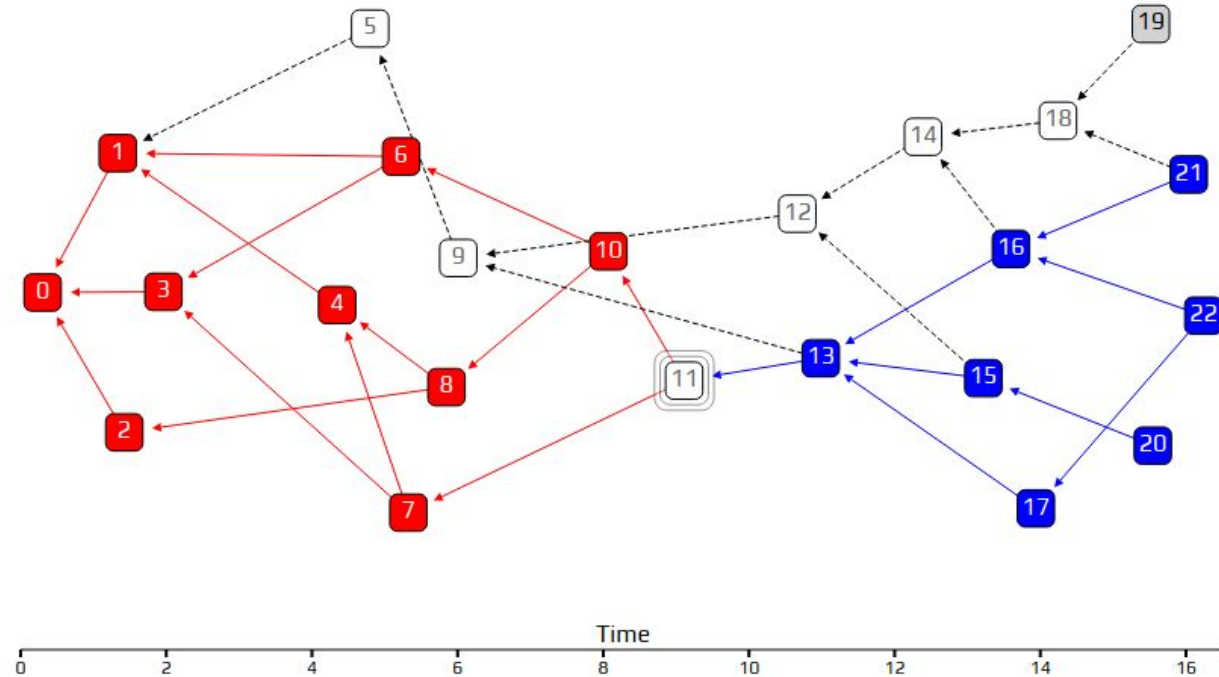


AN ILLUSTRATED INTRODUCTION



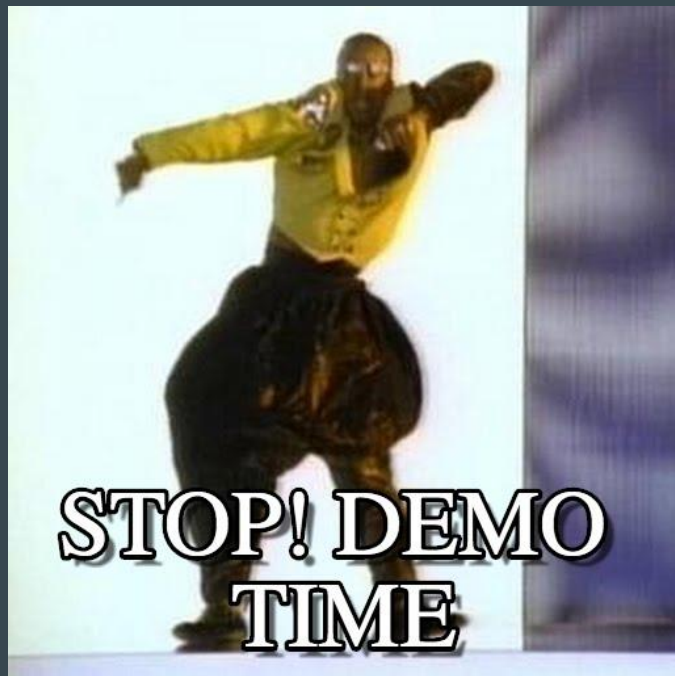
IOTA

- Directed Acyclic Graph (Blockchain)
- No miners
- Consensus reached in 2 stages
 1. via *The Coordinator* ← we are here
 2. as *Confirmation confidence* (see Whitepaper.pdf)
- Every transaction approves two *Tips*



PyOTA

- official library
- compatible to versions 3.6, 3.5 and 2.7
- <https://github.com/iotaedger/iota.lib.py>
- `pipenv install pyota[ccurl]`



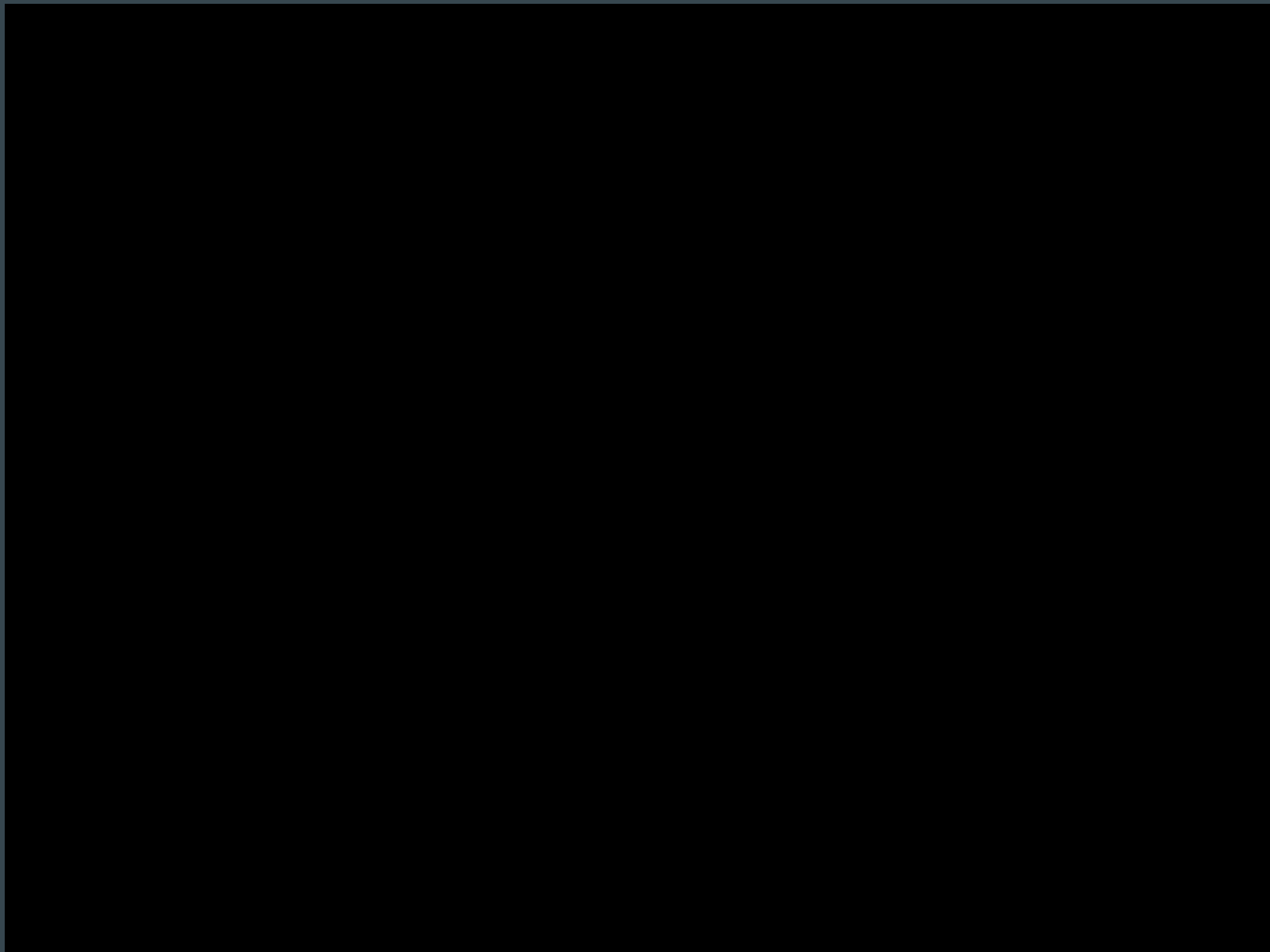
Benefits

- No infrastructure!
- Security by design!
- Free!

Drawbacks

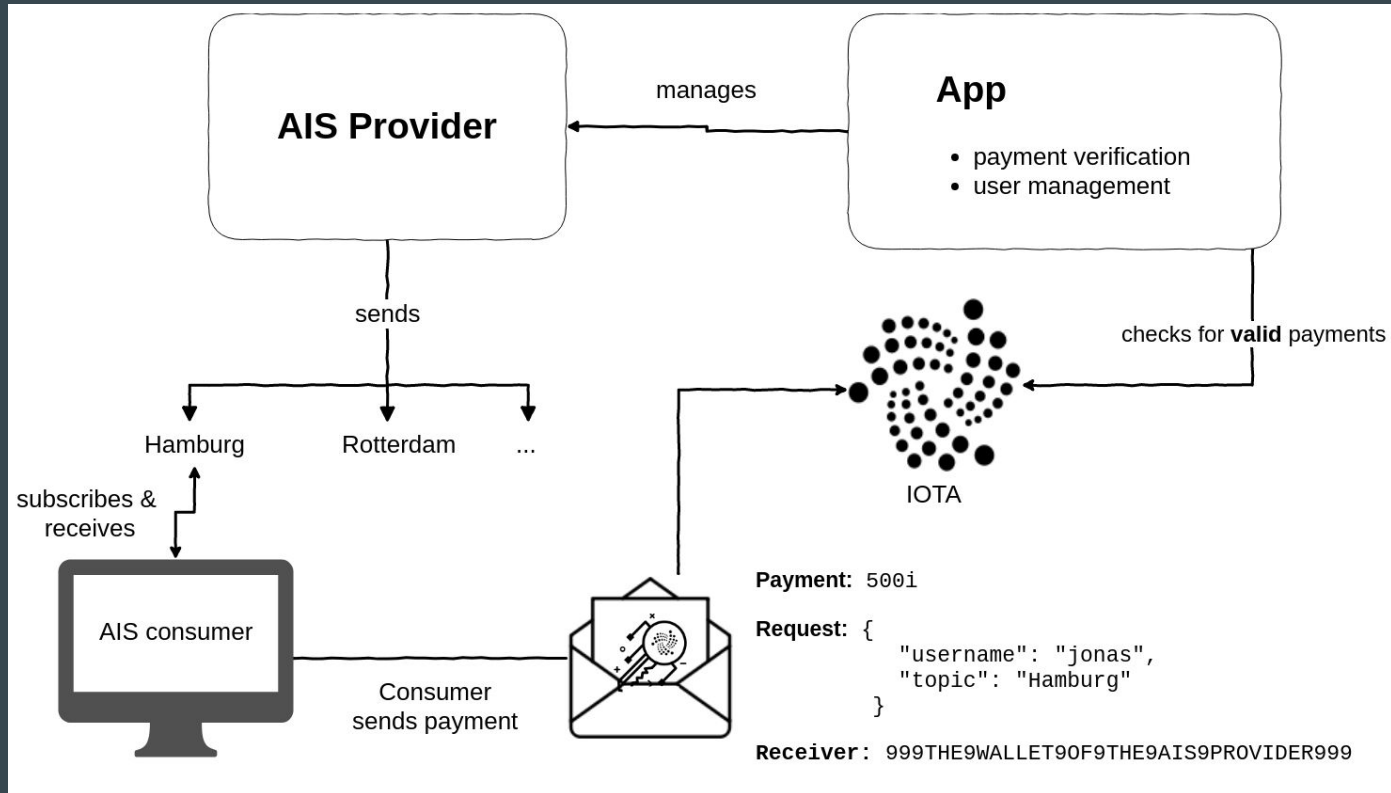
- ~~Shitty~~ Documentation in progress
- No permanent storage (yet!)
- You can lose all your money!



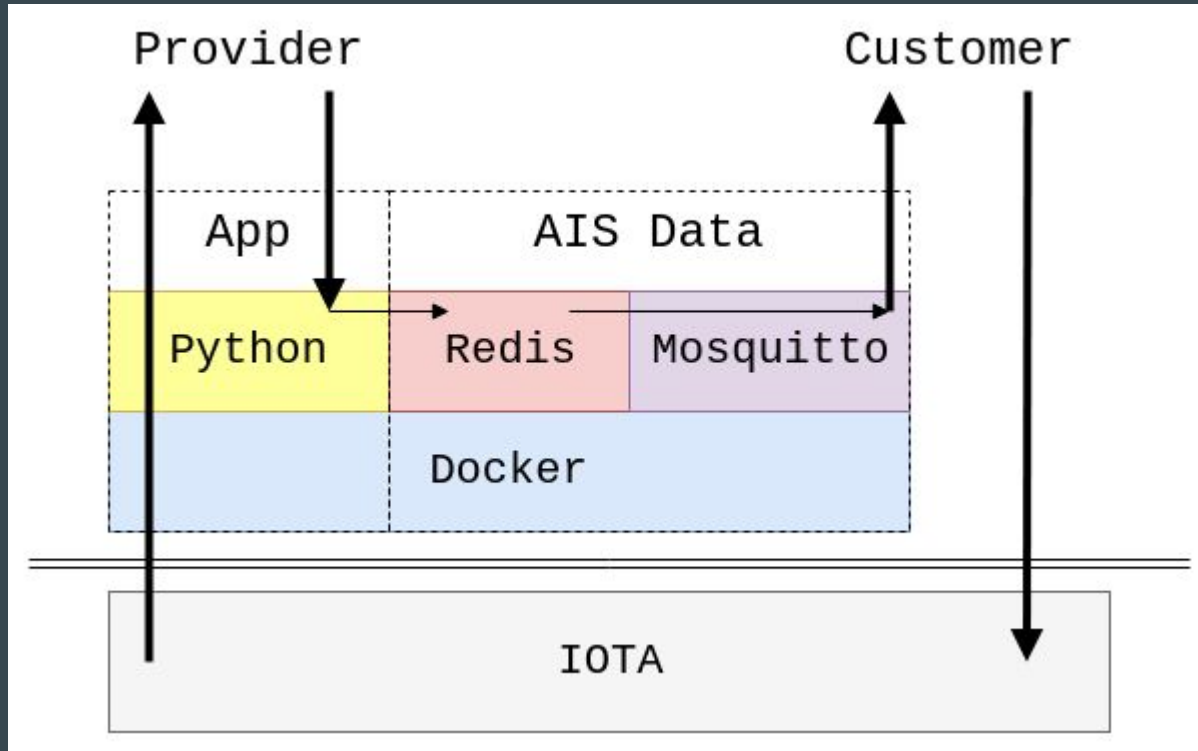




Pay-per-Use



Pay-per-Use



Links

- <https://www.iota.org>
 - <https://iotasalad.org>
 - <https://thetangle.org>
 - <https://github.com/iotaledger>
-
- <https://github.com/joWeiss>
 - @sn_3rd
 - jonasweissensel.de