

Amos iDunion

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Who are the project members?

The team

- Industry partner: Siemens AG, Technology
- Team:
 - Product Owner (PO):
Anna-Maria, David
 - Software Developer (SD):
Murali, Julian, Khai, Muhammad
 - Scrum Master (SM):
Gaurav
- Project language: English
- Core technologies: Python, Javascript, Grafana, Hyperledger, Indy, IDunion blockchain



What is IDunion and blockchain?

A really short introduction to IDunion and blockchain



Blockchain, or Distributed Ledger Technology:

- First steps ~50 years ago with Hash-Trees (Meerkle 1979, D. Chaum 1982, Haber and Stornetta 1991)
- Basically a data-base (of the kind of ledger)
- Decentralized and every node has a copy
- Consensus mechanism applied for changes (e.g. proof-of-work, proof-of-stake)

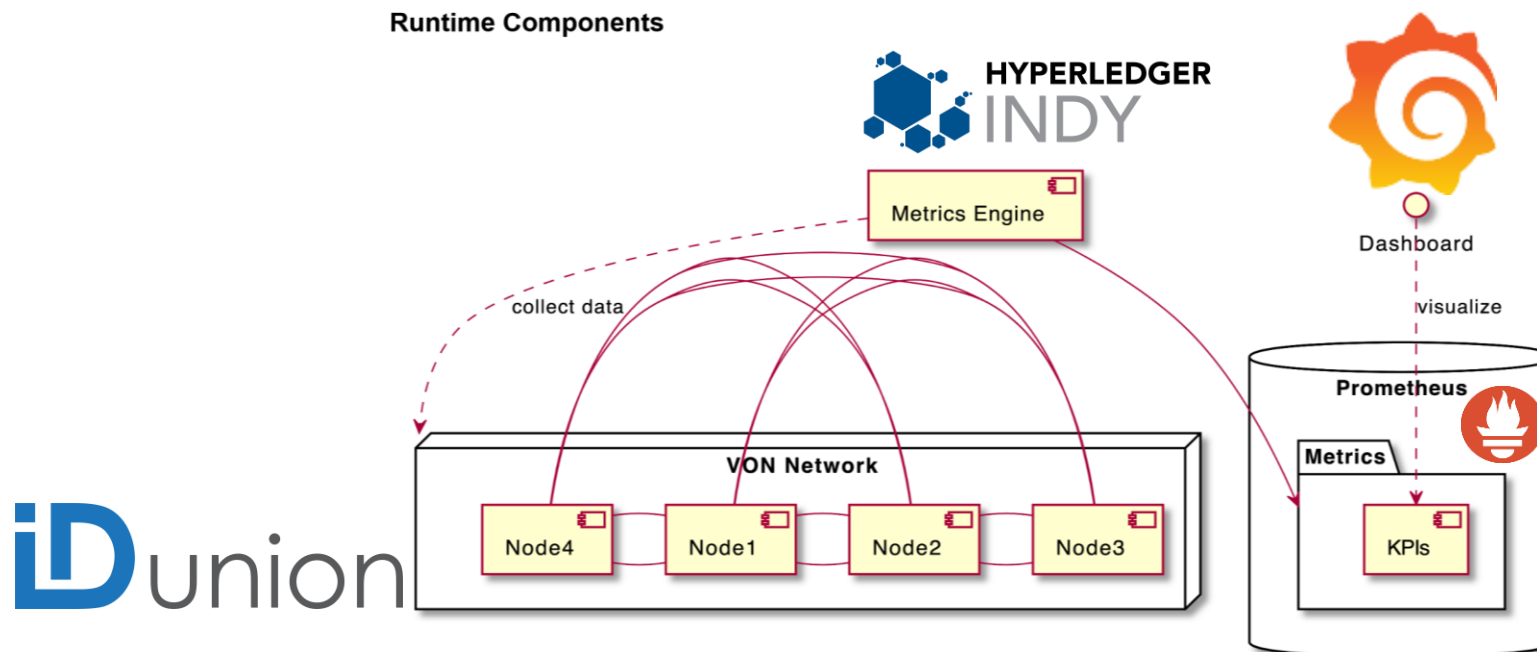
IDunion: *[read more about the project: <https://idunion.org/?lang=en>]*

- Eco-System for identity (self-)management: with ledger, wallet, consensus-protocol
- Roles: Credential issuer, verifier and owner
- *Example: IndyWorld Demo by IBM: <https://youtu.be/cz-6BldajiA>*

What is our mission?

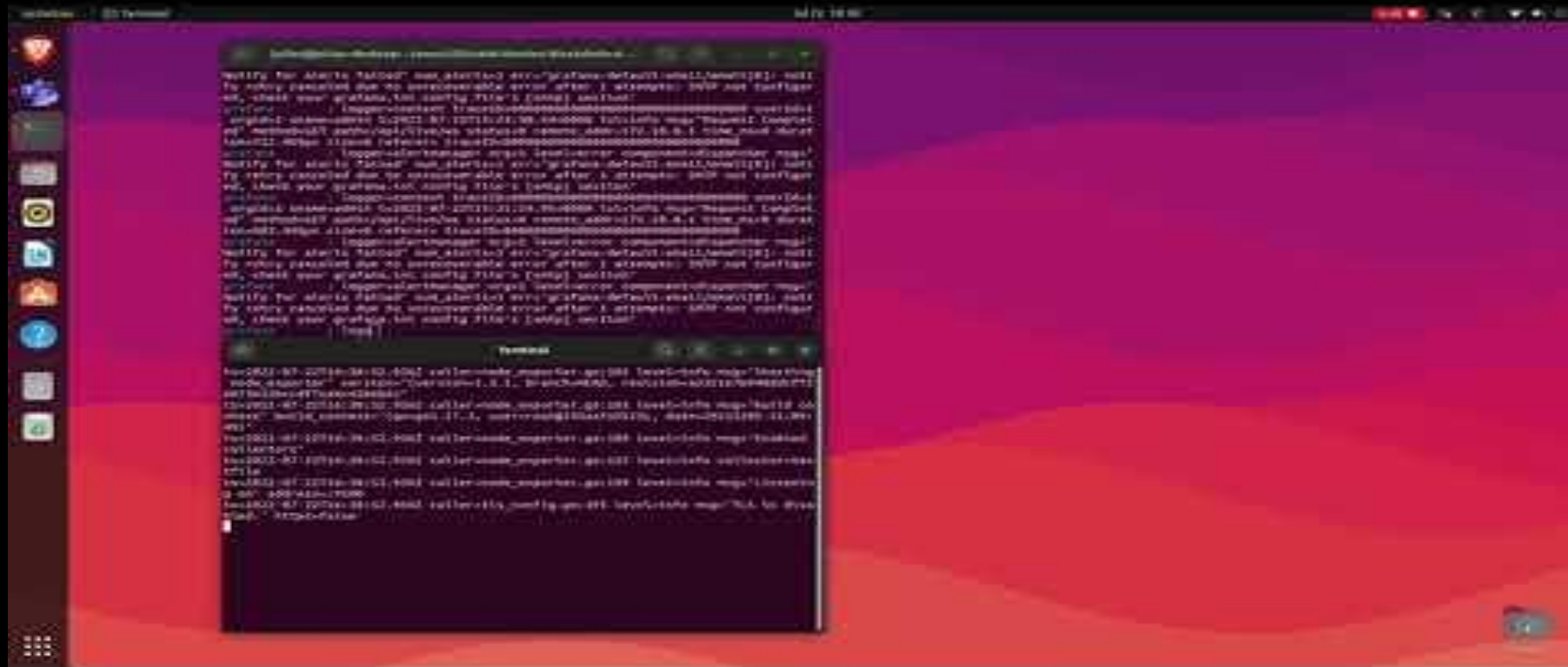
The overall software architecture and implemented tools

The overall goal: Implement a metrics engine and a dashboard for the IDunion blockchain



Our IDunion blockchain dashboard

Let's see our demo



[IDunion blockchain dashboard demo - YouTube](#)

What have been our up and downs?

A short reflection

Ups

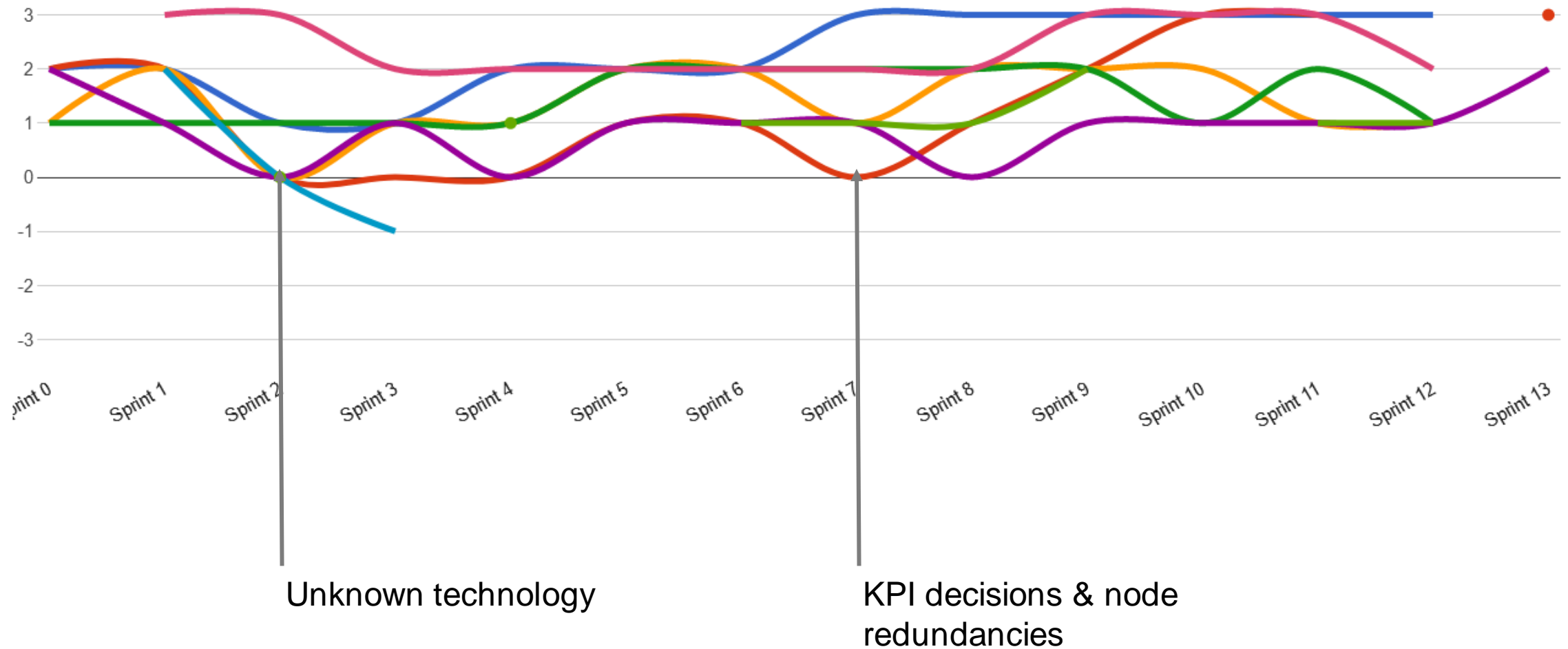
- Great team spirit
- On-site, real-life team meeting
- New and thrilling topic

Challenges

- Tough on-boarding phase due to toolchain setup, the technology stack (Hyperledger, Prometheus, Grafana, VON-network, industry partner data)
- One developer joined ~3 weeks after project start
- First developer left the team at the beginning, one more developer quit the project 2-3 weeks later
- Uncertain capacity estimations, especially if unexpected impediments showed up

What have been our up and downs?

Our happiness index



Q&A

Any questions, remarks?

