



An Introduction to Blockchain use cases with Big Data and AI

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Overview

- Blockchain and data storage (decentralized storage)
- Transaction graph analysis
- De-anonymizing users and transactions
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- AI and Machine learning marketplaces
- Blockchain as an incentive with AI or Big Data

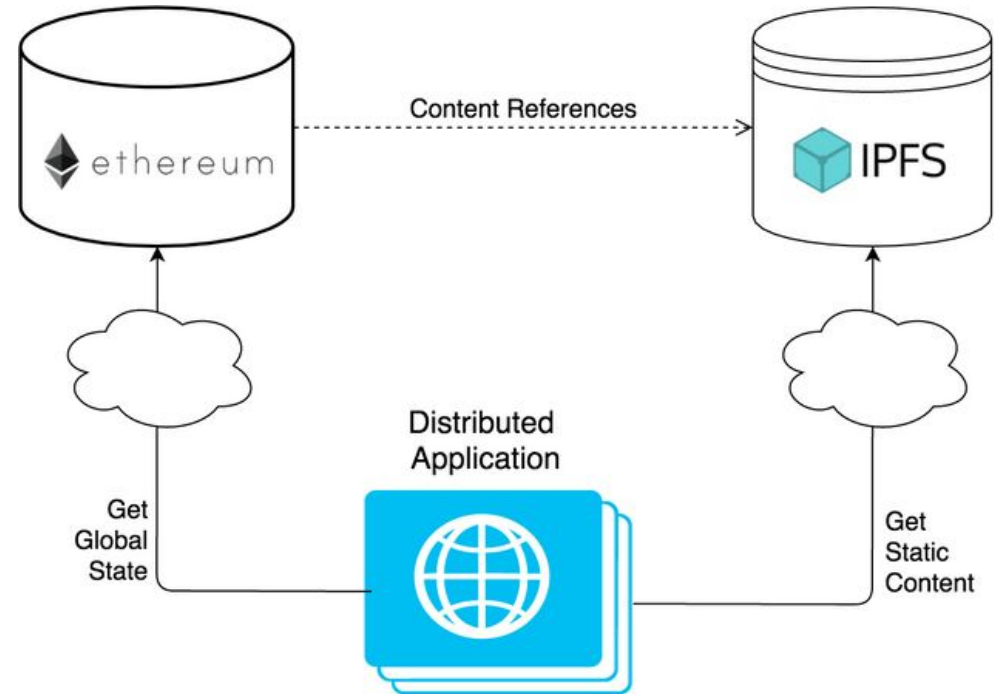


Decentralized storage

Classical decentralized file systems in combination with a blockchain protocols for providing data consistency and incentivising certain behaviours.

Examples:

- StorJ - Decentralized cloud storage:
<https://storj.io/>
- FileCoin: decentralized file storage
<https://filecoin.io/>
- IPFS - Interplanetary File System :
<https://ipfs.io/>
- SWARM :
<https://ethersphere.github.io/swarm-home/>

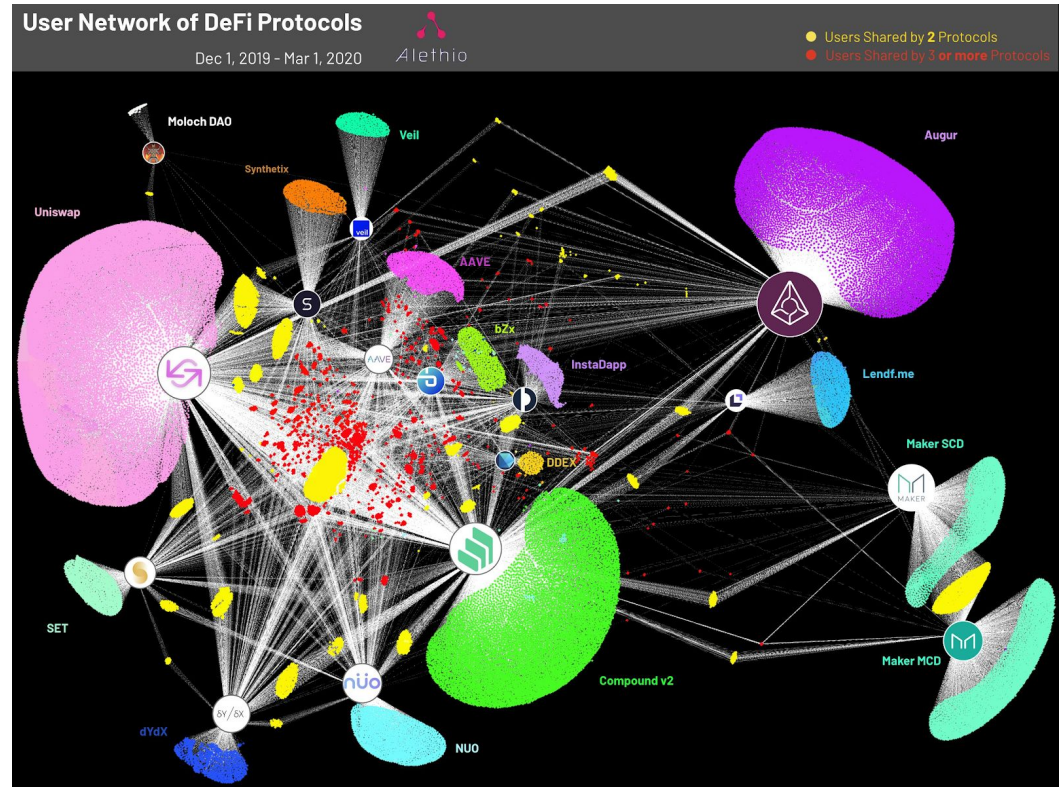


Transaction graph analysis

Analyzing the transaction graph of different open blockchain systems, for different purposes, like scientific, marketing, etc.

Examples:

- Aleth.io - Ethereum data analytics platform : <https://aleth.io/>.
- Dune analytics - Ethereum, DeFi, DApp analytics: <https://duneanalytics.com/>
- Loanscan - special DeFi analysis tool for loans, trading fees and rewards: <https://loanscan.io/>



Crypto-asset price prediction

Analysing and predicting price of a crypto asset or a portfolio of crypto asset. Besides classical techniques like fundamental or technical analysis, emerging tools analyze transactional data, limit orders of crypto exchanges or social media data.

Examples:

- Coinpredictor - cryptocurrency price prediction : <https://coinpredictor.io/>
- Coinforecast - crypto asset forecasting: <https://coinsforecast.com/>
- Simplified Bitcoin price prediction tracker: <https://bircoin.top/>

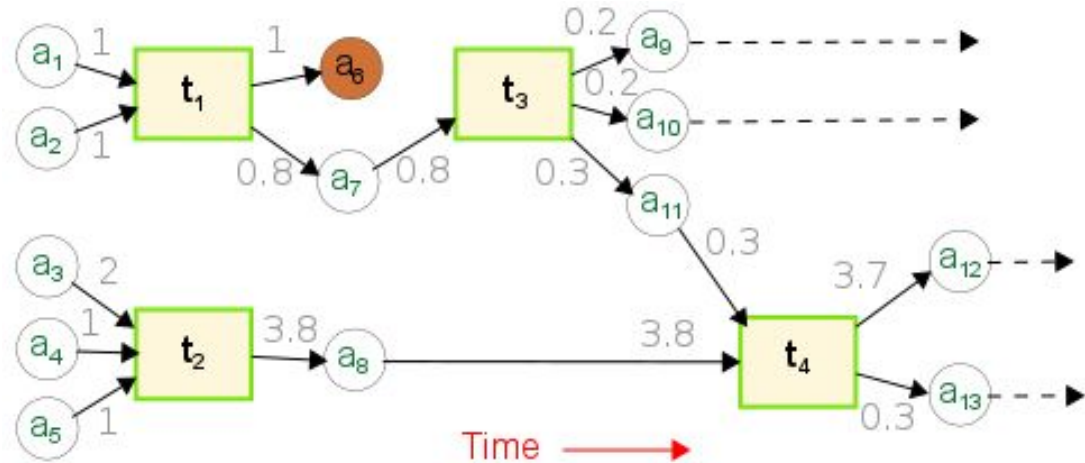


De-anonymizing users and transactions

De-anonymizing users and transaction in open permissioned blockchain systems, for analyzing illegal activities or assessing risks of crypto-asset management: KYT Know Your Transaction

Examples:

- Chainalysis: <https://www.chainalysis.com/>
- Valega Chain analytics: <https://www.valegachain.com/>
- Elliptic: <https://www.elliptic.co/>
- CypherTrace: <https://ciphertrace.com/>

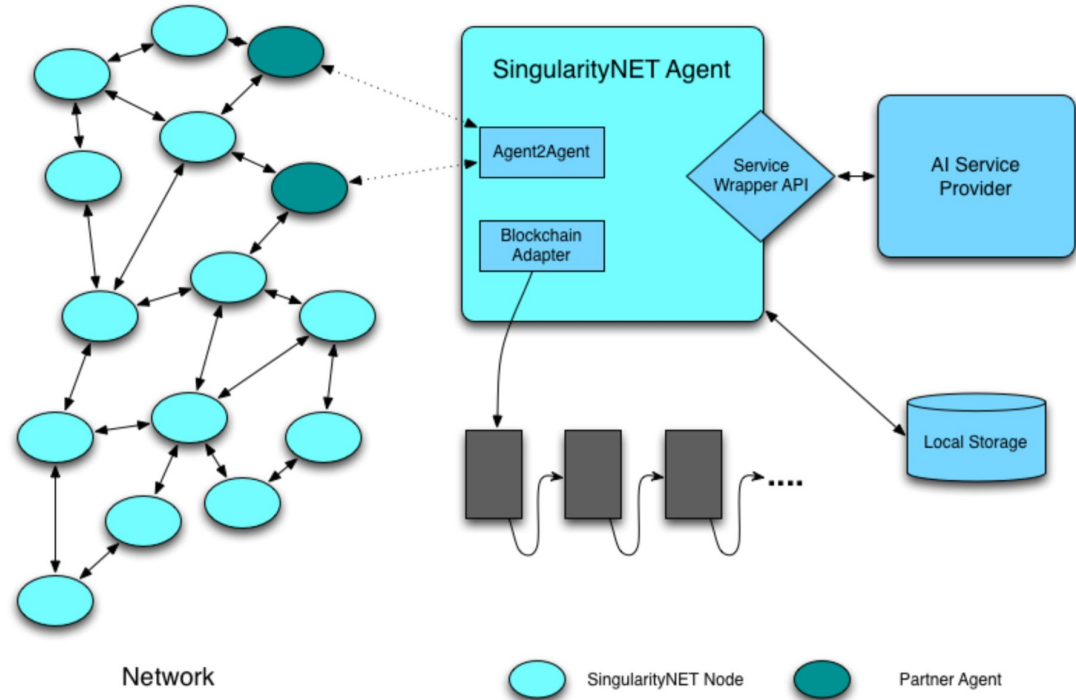


AI and Machine learning marketplaces

Decentralized marketplace for integrating different AI or machine learning agents, e.g. one data mining component implements data processing functionalities for another machine learning tool. Integrating narrow AI to General Artificial Intelligence.

Examples:

- SingularityNET, The Global AI Marketplace: <https://singularitynet.io/>
- Neureal, decentralized prediction market: <https://neureal.net/#/>



Token as an incentive with AI or Big Data

Many AI or Big Data use-cases that are principle independent from Blockchain can be extended with a token, like encouraging community activity, or speeding up user adaptation.

Examples:

- VAIOT - AI Assistant :
<https://vaiot.ai/>
- HINT - AI commerce assistant :
<https://hint.to/#hint>





Q & A

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