



Distributed Open Data Portal

Kubrik Engineering

Open Data Portals Are Not Persistent

- State of the art Open Data Portals are single points of failure.
- Publishers can decide to take them down anytime.
- Users lose data access
- “open” as in “open door” (can be closed any second).



Due to the lapse in federal government funding, this website is not available.
We sincerely regret this inconvenience.

For information about available government services, visit [USA.gov](https://www.usa.gov).

Este sitio web no se está disponible durante el cierre del Gobierno.
Lamentamos profundamente las molestias que esto pueda causar.

Visite [GobiernoUSA.gov](https://www.gobierno.usa.gov) para informarse sobre los servicios gubernamentales disponibles durante el cierre del Gobierno.



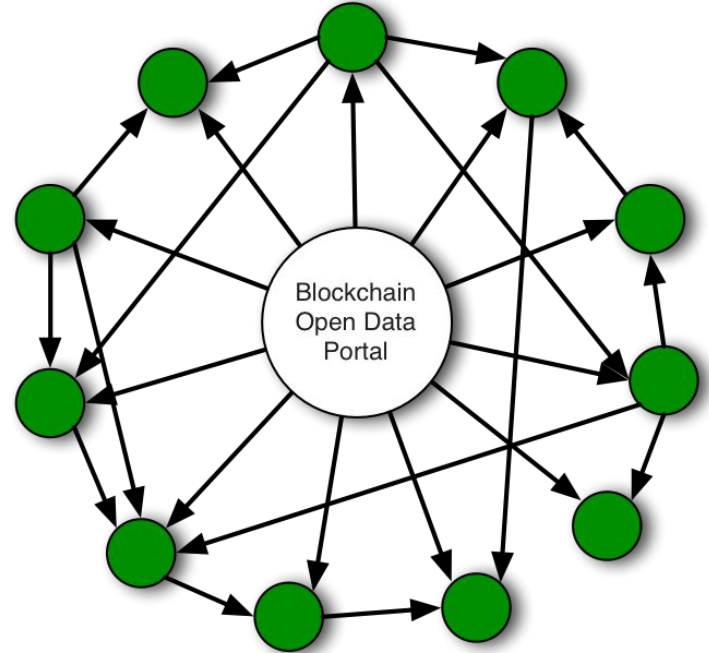
Why do we need persistent Open Data?

- Business models on Open Data only work if the data is persistently available.
- People do not trust in things that may disappear any second.



Our Solution

- Distributed Open Data Portal
- Build upon CKAN
- Changes to the open data can be reviewed by anybody and are cryptographically secured on a blockchain
- Open data is saved persistently on an open, distributed file systems



Data Infrastructure



Secure and authentic: Data is protected from the sensor to the database to the frontend.



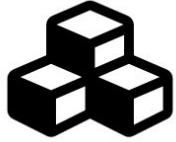
Persistent: Data can not be tampered with, all changes are persistently logged.



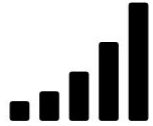
Privacy: Data is protected by strong cryptography and (optional) private networks.



Data Infrastructure



Easy to maintain: Self organising building blocks.



Easy to scale: Just add new blocks.

OS

Based on **Open Source:** Tested and trusted.



Our Team



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