

THE DEVELOPMENT AND IMPLEMENTATION OF NATIONAL DATA SERVICE PLATFORM Hsi-En Yu, Chun-Hung Huang, Yuchin Tsai, Chia-Chuan Chuang, Yen-Wei Huang, Weicheng Huang*

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Abstract

Data is considered as the next crew oil which requires the refinement to be valuable. A national data effort, the Data Marketplace, was initiated to collect, manage and share data within research communities in Taiwan. The purpose is to collect various data, open and non-open alike, in the short term and provides the National Data Service (NDS) in the long run. Various open source technologies and help from international partners have boost the progress of the activity.

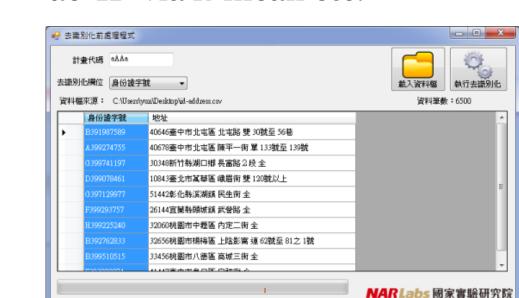


Private Key & Public Key Public Key Public Key

Technologies adopted/implemented

de-ID Components

- Replacement of IDs
- Public/Private keys
- Data Joint
- de-ID via k-mean etc.



Protected Data B'

de-Identification Process

CKAN API

- data lookup
- data display
- download
- upload
- ...etc.



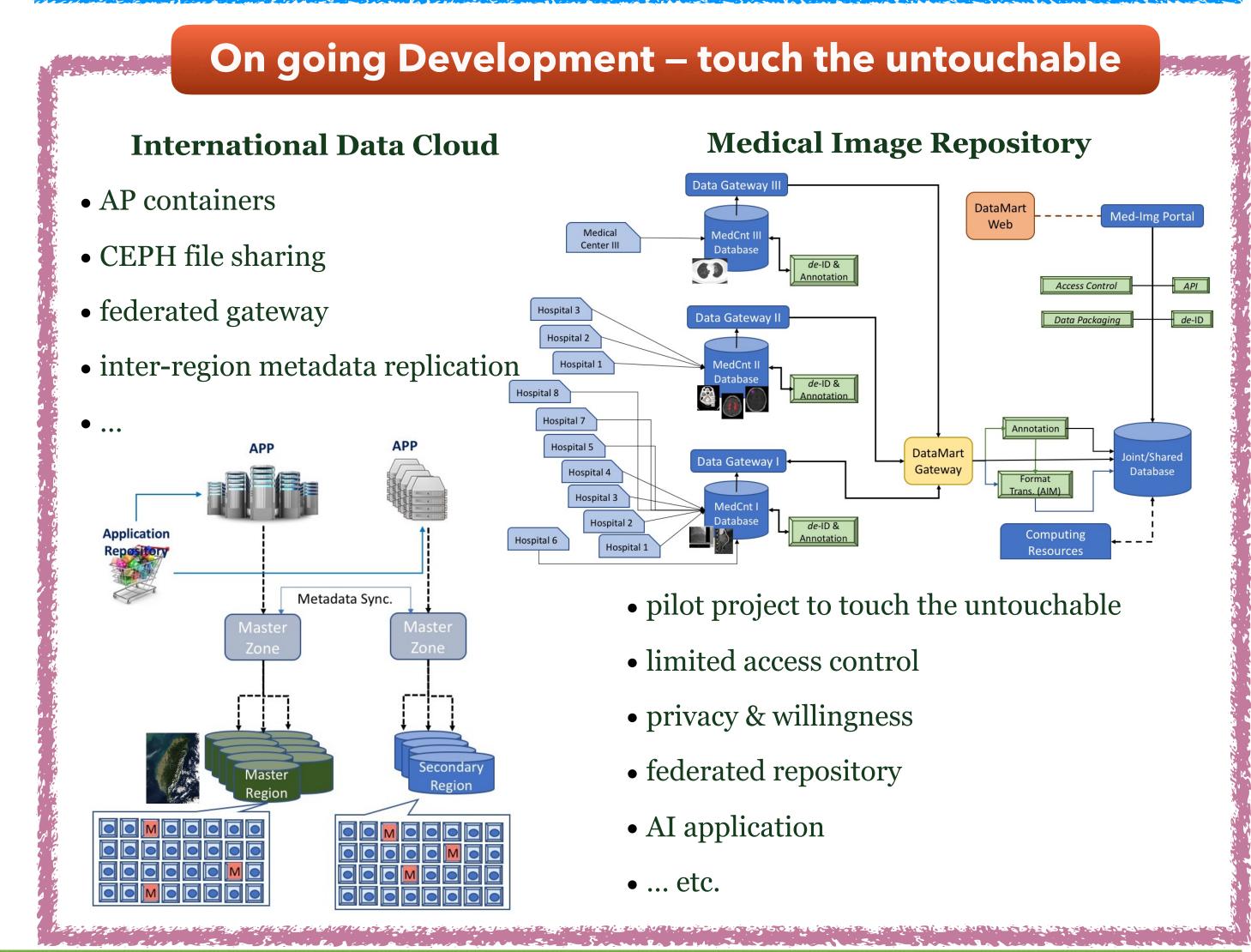
Data Presentation



Malware Monitor

ar ar para yang pangangangan

Features Scatter Plots for Continuous X and Y Variables • D3.JS • TDW — SAGE2 • Statistic models • **TDW SAGE2*** **TDW SAGE2** • TDW SAGE2**



References

- [1]. CKAN, https://github.com/KSP-CKAN/CKAN
- [2]. National Data Service, US, https://www.natinaldataservice.org
- [3]. http://docs.ceph.com/docs/jewel/radosgw/federated-config/#multi-site-data-replication
- [4]. http://sage2.sagecommons.org/

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