



Ocean Protocol

A decentralized data exchange protocol to unlock data for AI

Diffusion 2019 Workshop
Ocean Protocol buying and selling datasets

Sebastian Gerske

Part 1: Ocean Protocol Overview

Part 2: #BUIDL on Ocean

Part 1: Ocean Protocol Overview

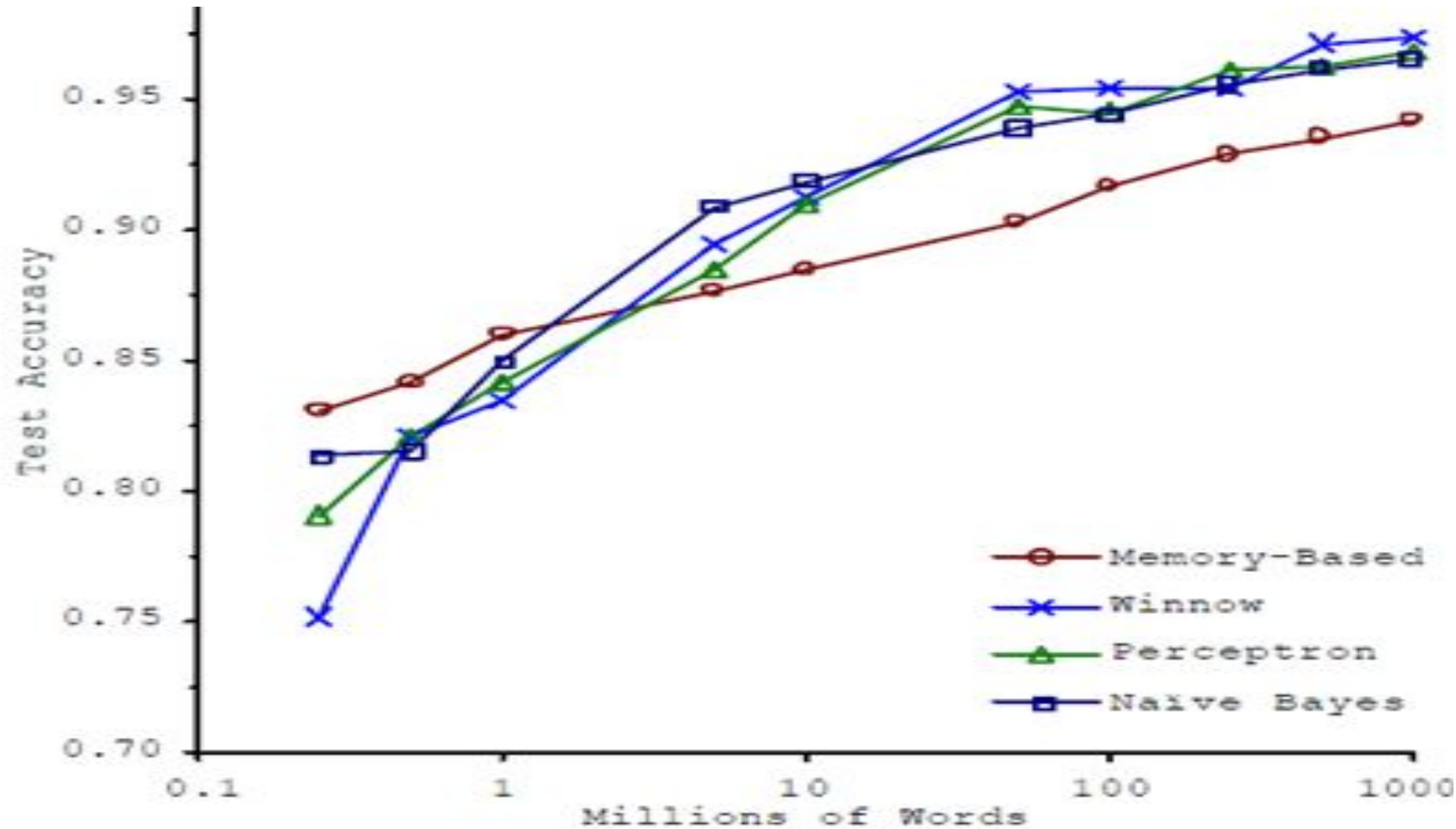


Ocean Protocol solves data sharing for all Stakeholders



- a **decentralized data exchange protocol** to unlock data for AI
- uses **blockchain technology** that allows data to be **shared** and **transferred** in a **safe, secure** and **transparent** manner
- enables a **decentralized platform** and network connecting **providers** and **consumers** of valuable data, and providing open access for **developers** to **build services**

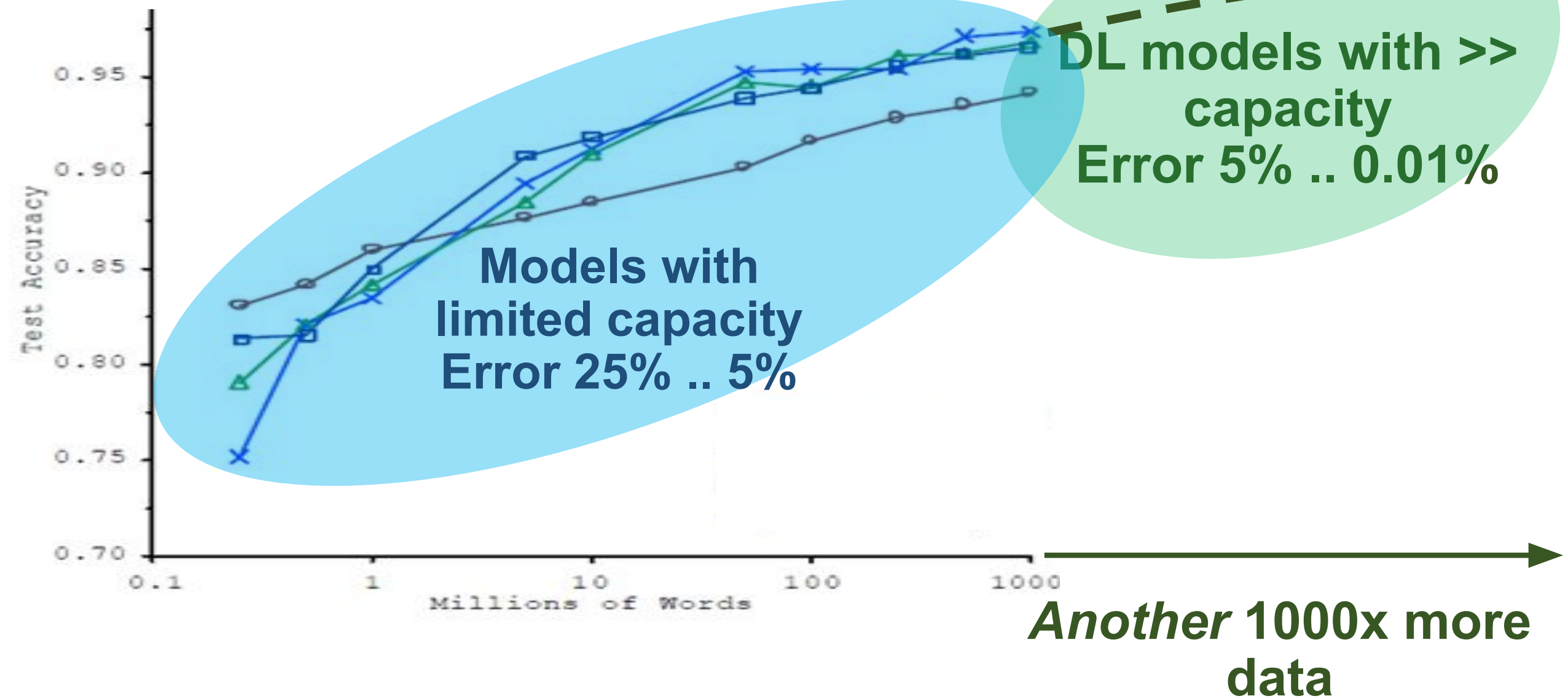
AI Loves Data



1000%
less
error!

1000x *more* data

Deep Learning *Really* Loves Data



**Have lots of data
(1000 enterprises)**



**Have lots of AI expertise
& related problems to
solve
(1000 AI startups)**



Have lots of data
(1000 enterprises)



Have lots of AI expertise
& related problems to
solve

(1000 AI startups)



\$\$

Have *both*:
Goog, FB, a handful

Connect them!

**Connect 1000+ enterprises
With 1000+ AI startups
All get lots of data & AI**



Connecting substrate

Data Scientist
~_(\ツ)_/~

Dispute Resolution

Discovery,
Opinion &
Governance

Proofs &
Challenges

Accounts,
Contracts &
Reward

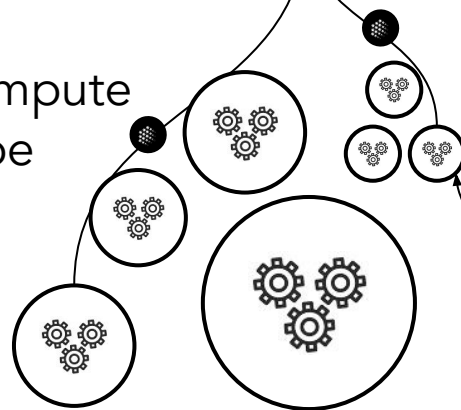
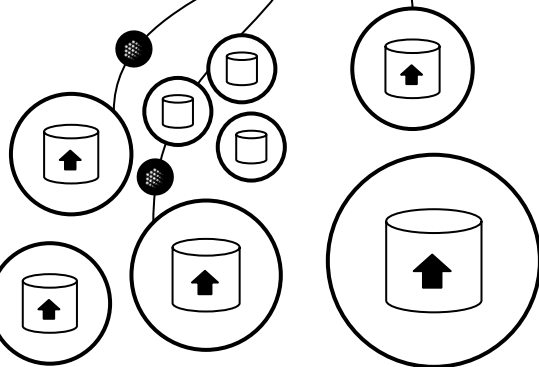
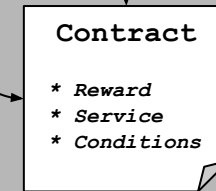
Decentralized Access Control

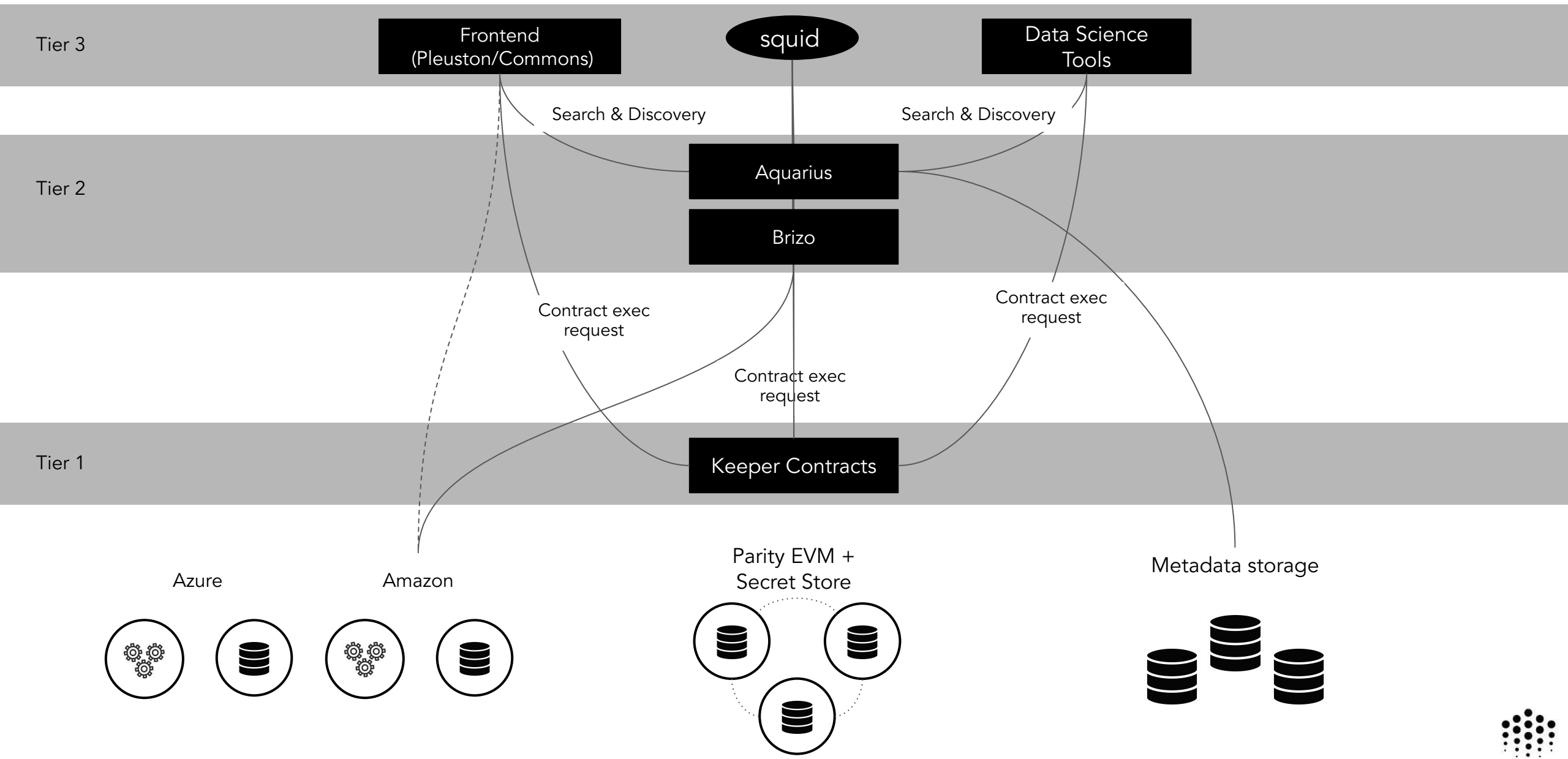
Service Owner

Compute
Tribe

Data
Tribe

Data Owner





Part 2: #BUIDL on Ocean





Nile

- The Ocean Beta Network
- Launched in April 2019!

Try it out (RPC):

<https://nile.dev-ocean.com/>

Explorer:

<https://submarine.nile.dev-ocean.com/>

Documentation:

<https://docs.oceanprotocol.com/tutorials/connect-to-networks/#connect-to-the-nile-testnet>

Squid

- Single point of integration to ocean
- Abstraction layer over web3

Repos:

JavaScript:

<https://github.com/oceanprotocol/squid-js>

Python:

<https://github.com/oceanprotocol/squid-py>

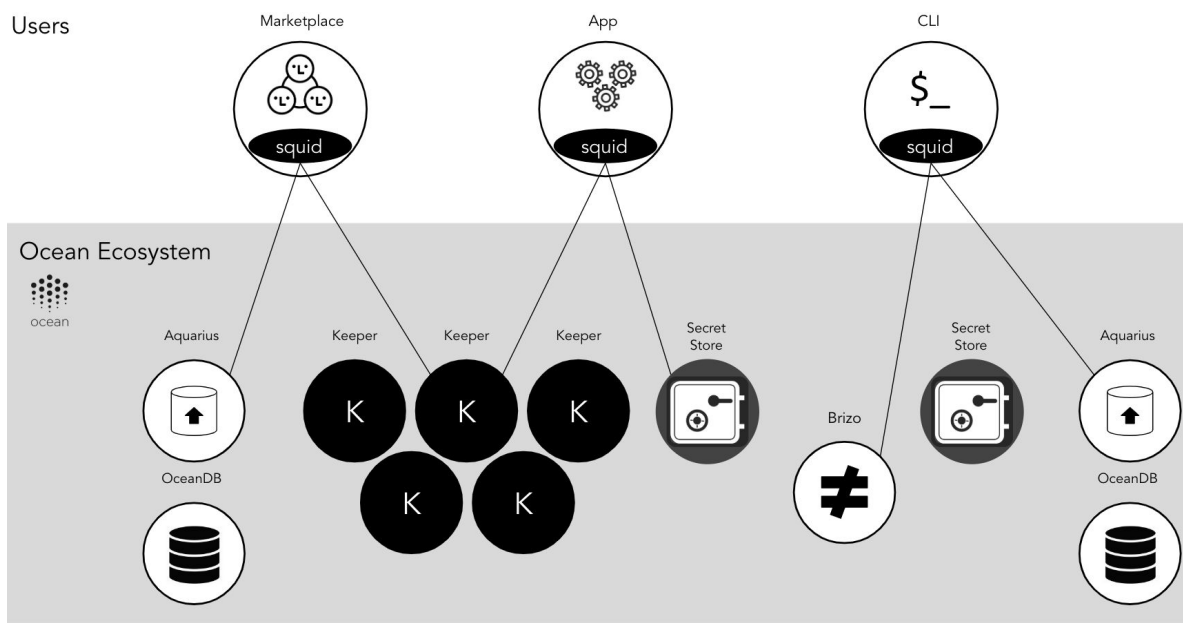
Java:

<https://github.com/oceanprotocol/squid-java>

Documentation:

<https://docs.oceanprotocol.com/concepts/components/#squid-libraries>

<https://docs.oceanprotocol.com/references/introduction/>



Commons

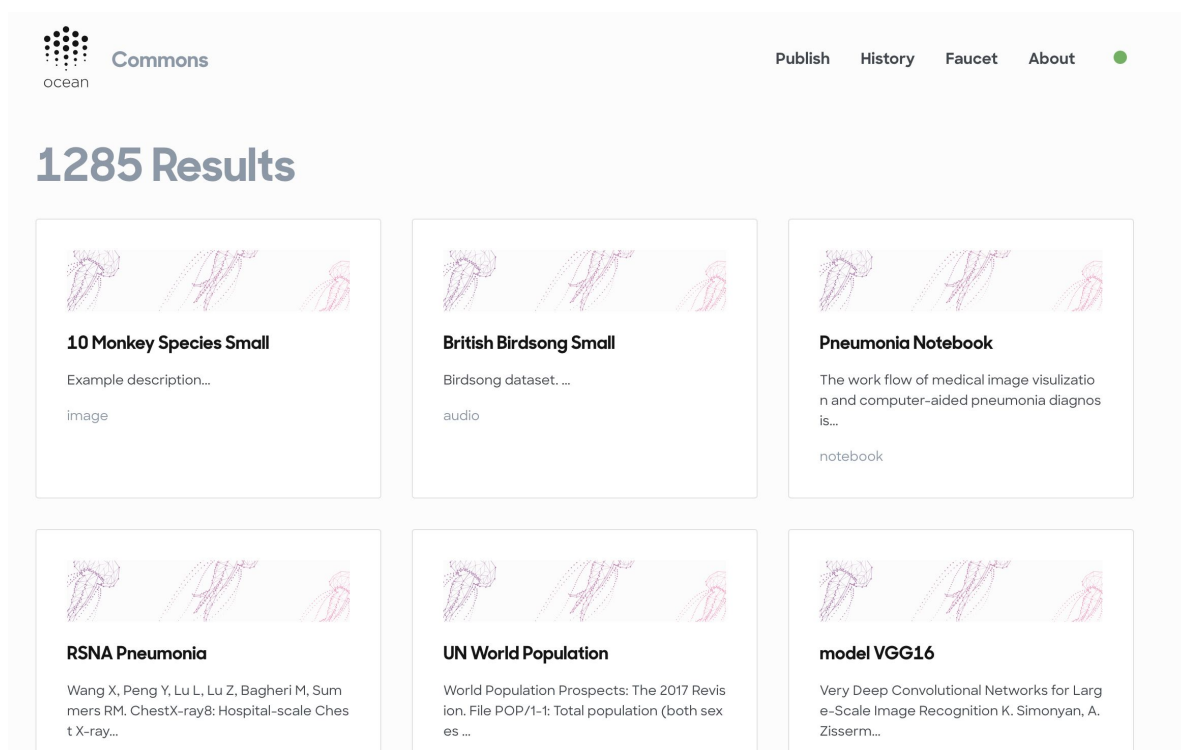
- Marketplace for commons data sets
- Running on Ocean Pacific mainnet
- More than 1400 assets already registered
- Can be used as boilerplate to bootstrap new marketplaces

Repo:

<https://github.com/oceanprotocol/commons>

Try it out:

<https://commons.oceanprotocol.com/>



Fully open source:

<https://github.com/oceanprotocol/>

Documentation:

<https://docs.oceanprotocol.com/>

Contact us!

Get involved and #BUIDL with us!

Ways to contribute to Ocean:

- ❑ Become an Ocean ambassador
- ❑ Check out our Github
- ❑ Suggest a bounty

Connect with us at
community@oceanprotocol.com
Follow us @oceanprotocol

#ANewDataEconomy

