

AloD core components

Jos van der Velde

24-11-2023 TCB



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“

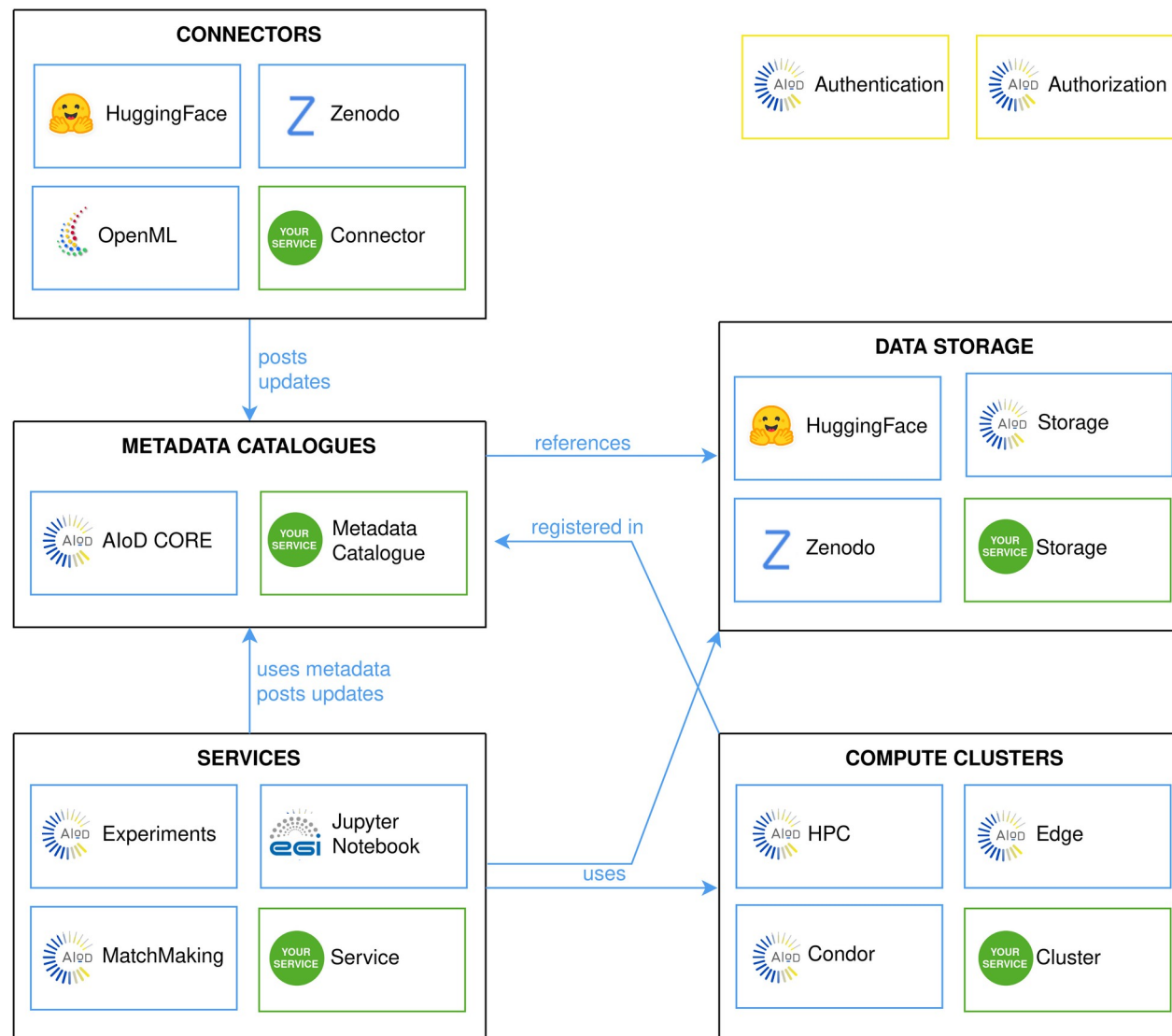
Providing developers
with AI assets and
hardware infrastructure”

The AloD project



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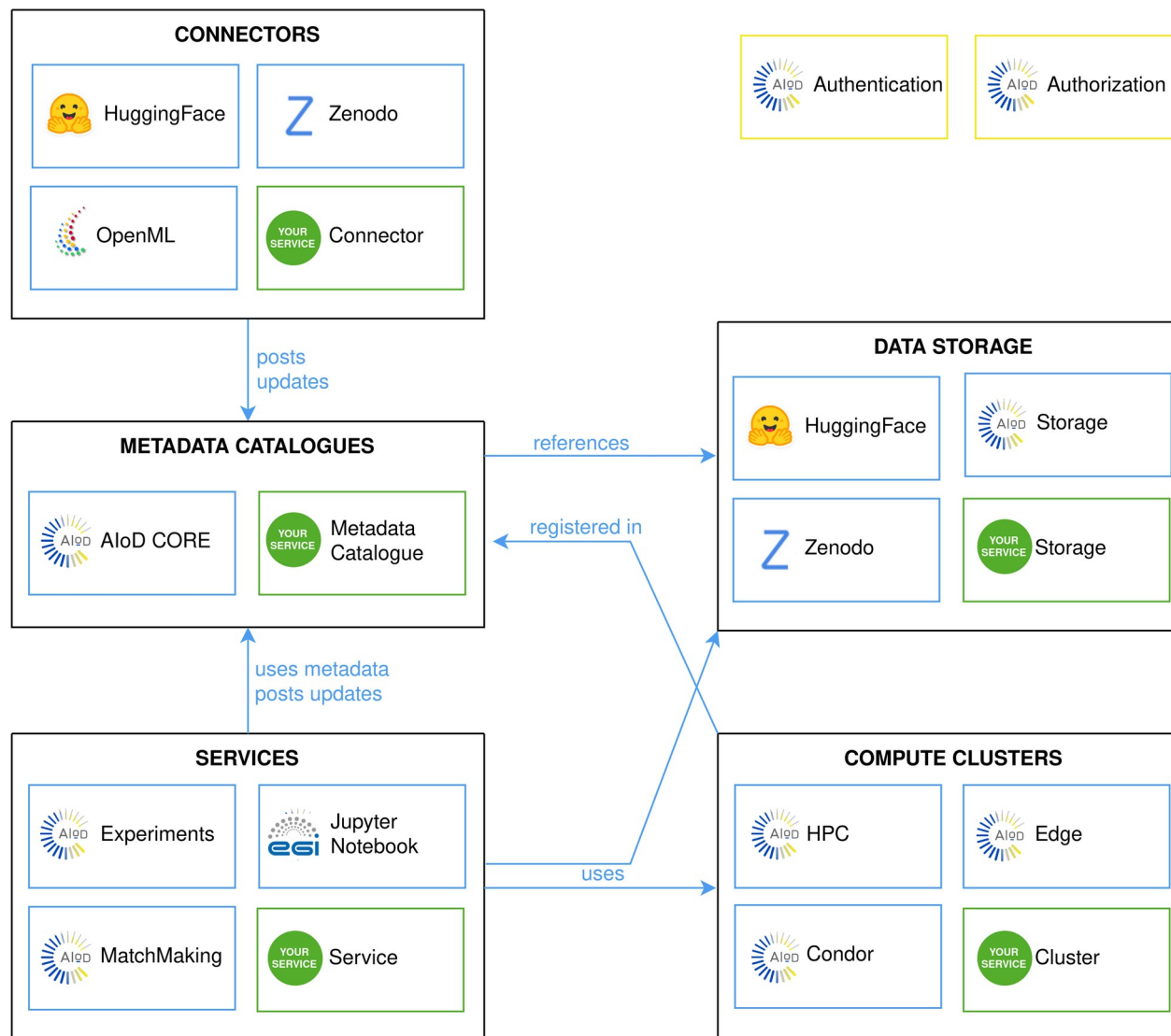
Overview

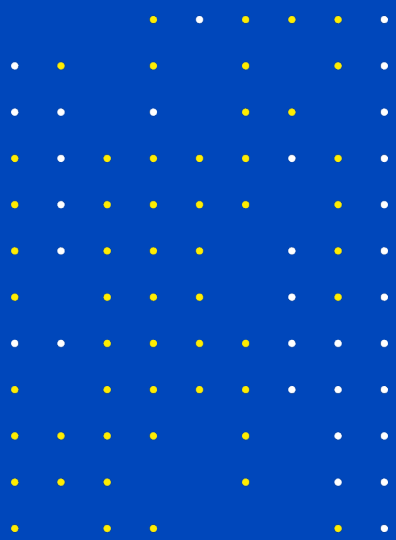


Overview



DEMO:
REST API





Integrating Your Service



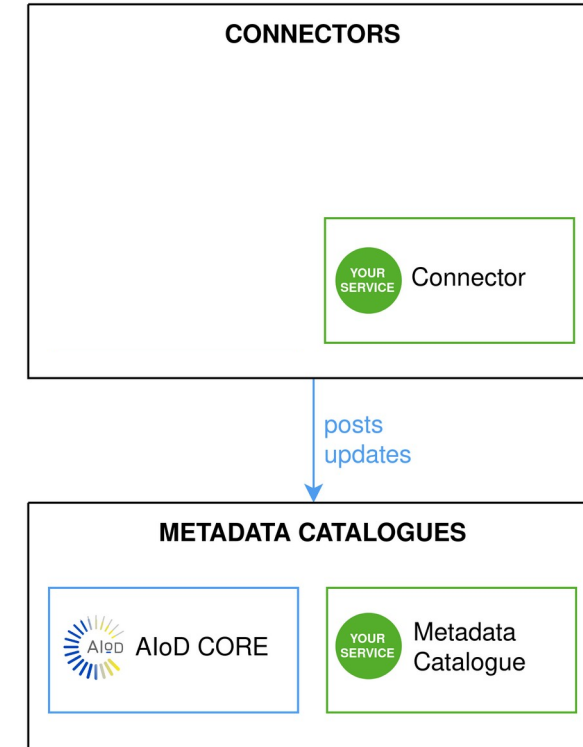
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Your Metadata



- Datatype is (should be) in CORE
 - } Discuss to add datatype
 - } Create Project Connector



Datasets
Models
Media

...

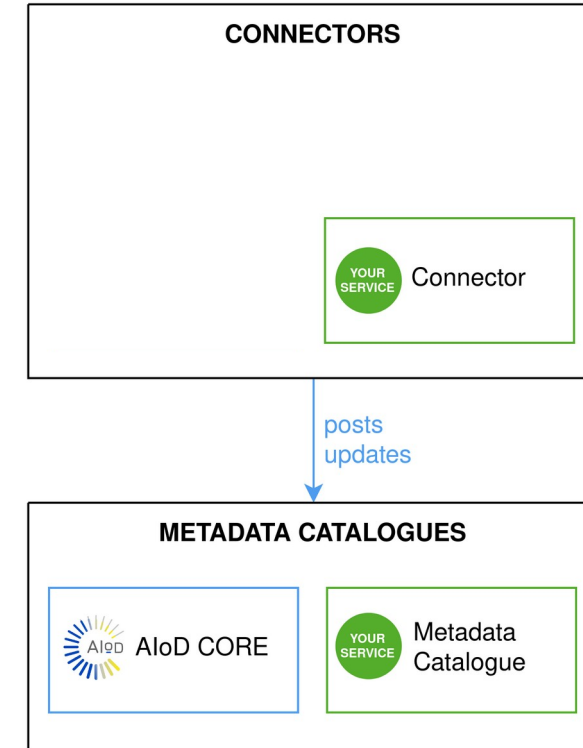


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Your Metadata



- Datatype is (should be) in CORE
 - } Discuss to add datatype
 - } Create Project Connector
- Specific datatype
 - } Host own Metadata Catalogue
 - } Design Metadata
 - } Create Project Connector



Datasets
Models
Media
...

Ships
Satellites
...

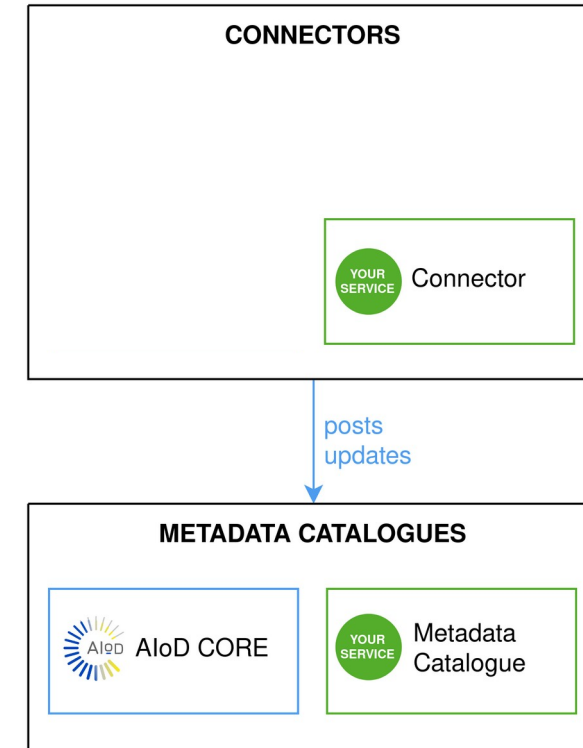


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Datasets
Models
Media
...

Ships
Satellites
...

DEMO:
LOCAL DEV



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Your Service



- Use AloD
 - } Metadata, compute & storage

GET	/datasets/v0	List Datasets	▼
GET	/computational_resources/v0	List Computational Resources	▼
GET	/storage_resources/v0	List Storage Resources	▼



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Your services

- Use AIoD
 - } Metadata, compute & storage
 - } Authentication: Single Sign On



Check-in

Choose your academic/social account

Search bar containing 'poznan' with a magnifying glass icon on the left. Below the search bar, three results are listed in blue text: 'Poznan University of Medical Sciences', 'Poznan University of Technology', and 'PSNC - Poznan Supercomputing and Networking Center'.

or



Your services



- Use AloD
 - } Metadata, compute & storage
 - } Authentication: Single Sign On
 - } Authorization

Sign in to your account

Username or email

Password

[Sign In](#)

Or sign in with

[EGI Check-in Demo](#)

- **Authentication**
Who are you?

- ☒ Add metadata
- ☒ Access Your Service
- ☐ Use HPC Cluster

- **Authorization**
Are you allowed to do that?



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Your services



- Use AloD
 - } Metadata, compute & storage
 - } Authentication: Single Sign On
 - } Authorization

DEMO:
SERVICE
ACCOUNT

Sign in to your account

Username or email

Password

Sign In

Or sign in with

EGI Check-in Demo

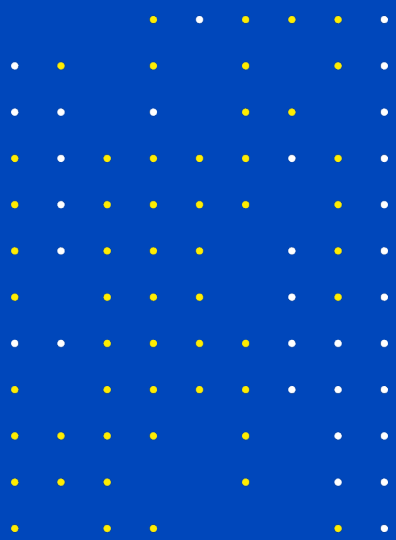
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Who are you?

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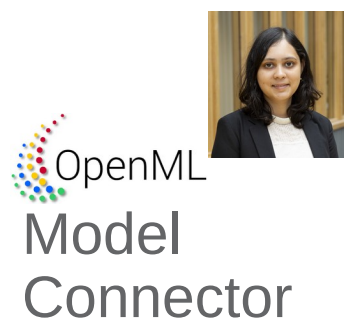
Next steps



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Next steps

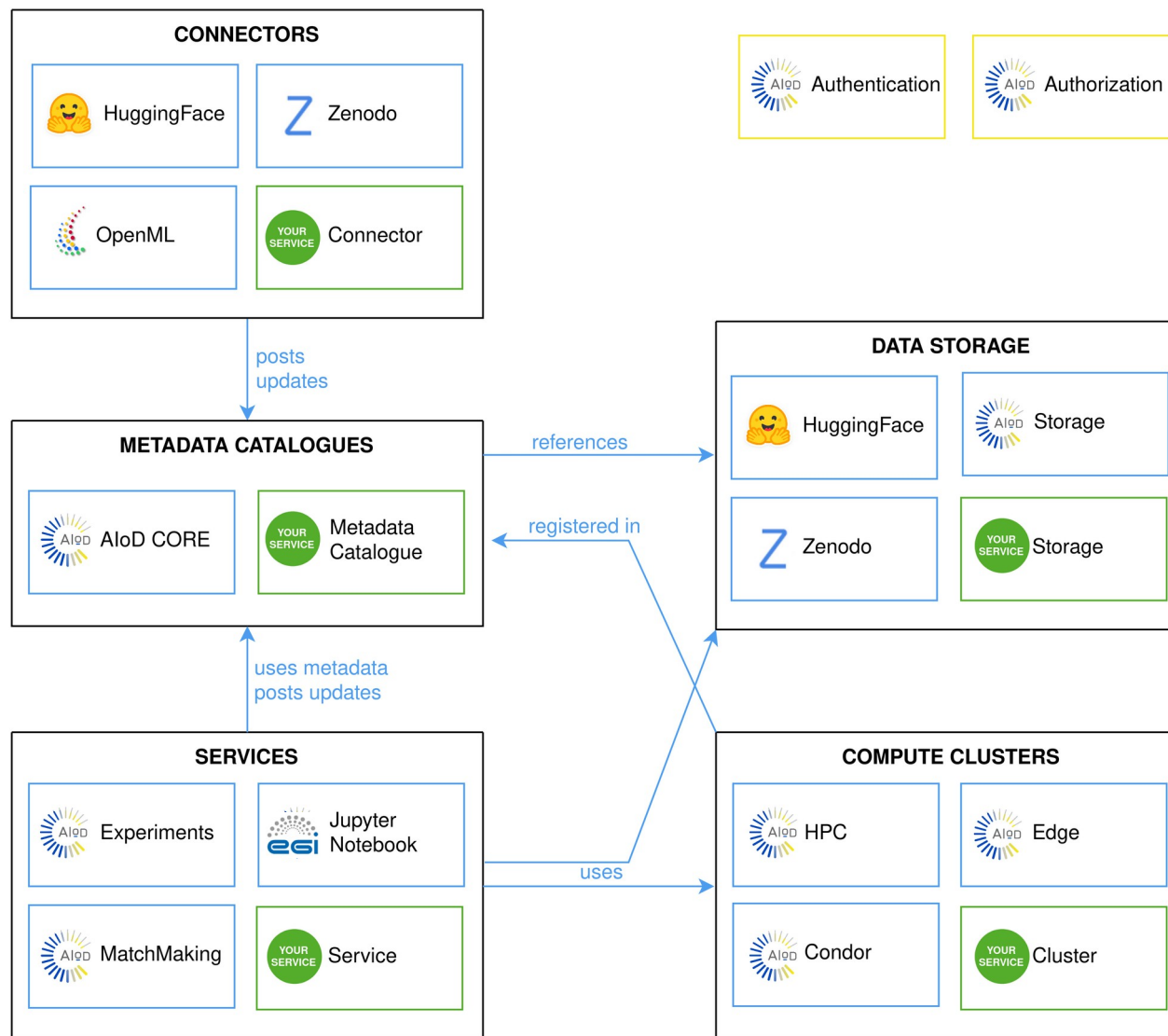


Next steps



- Metadata improvements
 - In coordination with other projects
- Metadata Supporting Services
 - Quality assessment
 - Duplicate detection
 - Anomaly detection
 - Metadata extraction
- Deployment
- Strict authorisation

Summary



Thank you!

Metadata Catalogue and preliminary Connectors:

<https://github.com/aiondemand/AIOD-rest-api>

Test instance:

<https://aiod-dev.i3a.es/docs>