

# MetaStore – Managing Metadata for Digital Objects

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**MetaStore<sup>1)</sup>** is a metadata repository for managing metadata documents. It supports communities in storing metadata documents in a predefined schema. During ingest, it validates whether the (metadata) document follows the schema. It is therefore an important building block for more precise automated evaluation and/or retrieval of digital objects.

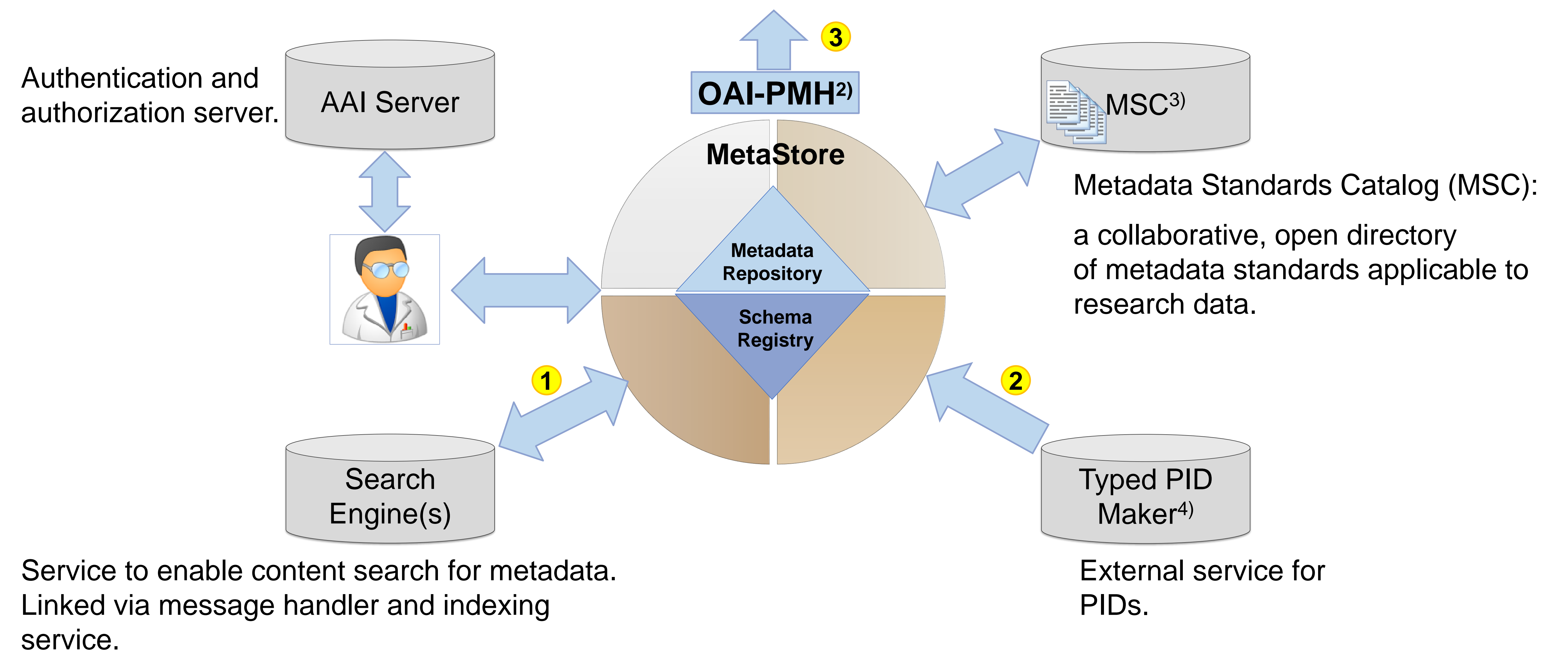
## MetaStore (Schema Registry & Metadata Repository)

- Globally unique and persistent identifier
- Machine-readable interface supporting:
  - Creating metadata/schema documents
  - Accessing metadata/schema documents
  - Update/Versioning of metadata/schema documents
  - Deleting metadata/schema documents
- Supports **arbitrary** XSD & JSON schemas
- Full access control supported
- **Automatic validation** during ingest
- Support for content search
- Link metadata to data
- Expose (XML) metadata documents via OAI-PMH<sup>2)</sup>

## Acknowledgements

This work has been supported by the research program 'Engineering Digital Futures' of the Helmholtz Association of German Research Centers and the Helmholtz Metadata Collaboration Platform.

## Architecture



- 1** Transform metadata document to a format applicable for search.

- 2** Set PID for metadata (document) via external service (e.g. Typed PID Maker supporting Kernel Information Profiles)

- 3** Protocol for Metadata Harvesting (OAI-PMH): Machine actionable interface for accessing public metadata from other repositories.

## Links

- <sup>1)</sup> MetaStore, <https://github.com/kit-data-manager/metastore2>
- <sup>2)</sup> OAI-PMH, <https://www.openarchives.org/pmh/>
- <sup>3)</sup> MSC, <https://msc.datamanager.kit.edu>
- <sup>4)</sup> Typed PID Maker, <https://github.com/kit-data-manager/pit-service>