

# Metastore – Enable FAIR Metadata Documents

A Repository Managing Metadata Documents

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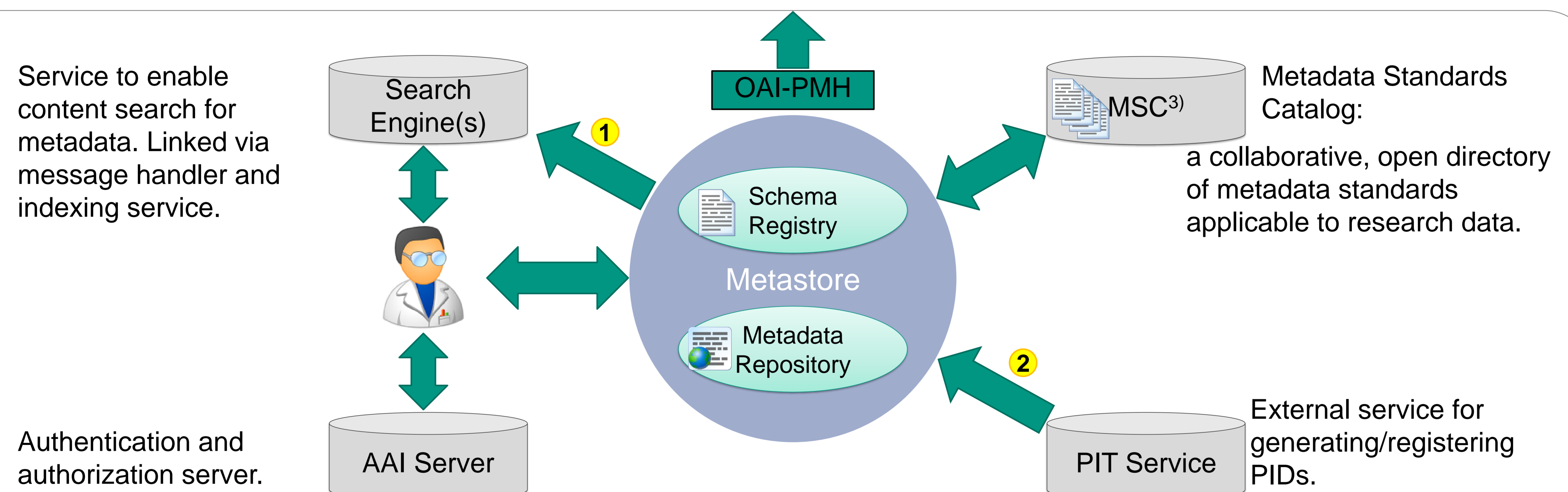
Metastore<sup>1)</sup> is a metadata repository for managing up to millions of metadata documents. Metastore supports communities with their specific schemas and helps them to make their metadata FAIR.

To support the FAIR principles, repositories must fulfil the following conditions:

	<b>Metastore</b>
<b>F</b> – Metadata are assigned a globally unique and persistent identifier	✓
<b>A</b> – Metadata are retrievable by their identifier using a standardized communications protocol (HTTP)	✓
<b>I</b> – Metadata use a formal, accessible, shared, and broadly applicable language for knowledge representation.	✓
<b>R</b> – Metadata are richly described with a plurality of accurate and relevant attributes	✓

## Metastore (Schema Registry & Metadata Repository)

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| <ul style="list-style-type: none"> <li>- Globally unique and persistent identifier (<b>F</b>)</li> <li>- Accessible via REST (<b>A</b>)</li> <li>- CRUD operations (<b>A</b>)           <ul style="list-style-type: none"> <li>- Creating metadata/schema documents</li> <li>- Accessing metadata/schema documents</li> <li>- Update/Versioning of metadata/schema documents</li> <li>- Deleting metadata/schema documents</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>- Supports XSD &amp; JSON Schema (<b>I</b>)</li> <li>- R/W permissions on metadata/schema document level</li> <li>- Supports also individual schema documents (<b>R</b>)</li> <li>- Automatic validation during ingest</li> <li>- Support for content search</li> <li>- Link metadata to data</li> <li>- Expose (XML) metadata documents via OAI-PMH<sup>2)</sup></li> </ul> |
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- 1 Transform metadata document to a format applicable for search.
- 2 Set PID for metadata (document).

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

## Links

- 1) Metastore, <https://github.com/kit-data-manager/metastore2>
- 2) OAI-PMH, <https://www.openarchives.org/pmh/>
- 3) MSC, <https://msc.datamanager.kit.edu>

## 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.

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