

da|ra -API reference for search and access

This document is intended for technical audience and users of the API. Basic knowledge of the HTTP-Protocol is required.

GET

Endpoint URI: `http://www.da-ra.de/dara/api/metadataSearchFields`

Parameter: no parameter

This request returns the available search files and their description. The fields can be used to define search queries.

Response body

XML of the form:

```
<?xml version='1.0' encoding='UTF-8'?>
<MetadataSearchFields>
  <SearchableField>
    <fieldName>title_en</fieldName>
    <fieldDescription>title in English</fieldDescription>
  </SearchableField>
  <SearchableField>
    <fieldName>title_de</fieldName>
    <fieldDescription>title in German</fieldDescription>
  </SearchableField>
  <SearchableField>
    <fieldName>id</fieldName>
    <fieldDescription>da|ra internal ressource id</fieldDescription>
  </SearchableField>
  <SearchableField>
    <fieldName>doi</fieldName>
    <fieldDescription>doi</fieldDescription>
  </SearchableField>
  <SearchableField>
    <fieldName>person</fieldName>
    <fieldDescription>person</fieldDescription>
  </SearchableField>
  <SearchableField>
    <fieldName>studyLanguage_txt</fieldName>
    <fieldDescription>study language</fieldDescription>
  </SearchableField>
  <SearchableField>
    <fieldName>publicationDate</fieldName>
    <fieldDescription>Publication date</fieldDescription>
  </SearchableField>
</MetadataSearchFields>
```

Response statuses

200 OK - operation successful, list with search fields and their description

500 Internal Server Error - server internal error, try later and if problem persists please contact us

GET

Endpoint URI: [http:// www.da-ra.de/dara/api/metadataSearch](http://www.da-ra.de/dara/api/metadataSearch)

Parameter:

- **q** (*mandatory*) Solr query.
- **start** (optional) Start form number.
- **max** (optional) Maximal number of resources.

This request returns a list with res_ids and DOIs matching the initial query. Res_id is the internal da|ra id of the resource. Can be used to access reference data sets.

Response body

XML of the form:

```
<?xml version='1.0' encoding='UTF-8'?>
<MetadataSearchResults>
  <searchQuery>*</searchQuery>
  <searchHits>
    <study>
      <doi />
      <res_id>5180</res_id>
    </study>
  </searchHits>
  <searchHits>
    <study>
      <doi>10.5072/test1</doi>
      <res_id>5185</res_id>
    </study>
  </searchHits>
</MetadataSearchResults>
```

Response statuses

200 OK - operation successful, list with DOI and internal da|ra id

400 Bad Request – wrong parameter or wrong or no solr query

500 Internal Server Error - server internal error, try later and if problem persists please contact us

503 Service Unavailable - No connection to the Solr service

GET

Endpoint URI: [http:// www.da-ra.de/dara/api/metadata](http://www.da-ra.de/dara/api/metadata)

Parameter:

- **doi** (*mandatory if no res_id given*) doi of the resource
- **res_id** (*mandatory if no doi given*) res_id of the resource

This request stores return the data – XML for the given DOI/res_id

Response body

XML of the resource conform with dara.xsd

Response statuses

200 OK - operation successful, data xml

404 Not Found – no resource with the given id or DOI found or no id or DOI given

500 Internal Server Error - server internal error, try later and if problem persists please contact us

GET

Endpoint URI: <http://www.da-ra.de/dara/api/isAlive>

Parameter: no parameters

This request is intended to provide information of the availability of data to respond to requests.

Response statuses

200 OK – Service is online

500 Internal Server Error - server internal error, try later and if problem persists please contact us