

# entities

## Description

The method `entities` is providing access to the the Lucene search index of entities used at DDB. This method provides response data only as `application/json`. It is a read-only service and must be accessed with a HTTP-GET-request.

```
GET /entities?<QueryParameters> HTTP/1.1
```

## Request Header

Name	Value(s)	Required	Repeatable	Default value	Description
<b>Accept</b>	<code>application/json</code> <code>*/*</code>	yes	no	<code>application/json</code>	Specifies the format of the accepted data. Every request needs to be sent with a valid Accept Header defining the requested response format. Otherwise the response to the request will be a 406 - Not acceptable status code. If the request accepts every kind of data ( <code>Accept: */*</code> ) JSON will be returned.
<b>Authorization</b>	<code>OAuth oauth_consumer_key="&lt;API key&gt;"</code>	yes	no	-	An API key is mandatory for data access. You may enclose it by either sending it as Query Parameter or (as mentioned here) in the Request Header.
<b>Host</b>	<code>api.deutsche-digitale-bibliothek.de</code>	yes	no	-	The host is mandatory.

## Parameters

### Query

Parameter	Value(s)	Required	Repeatable	Default value	Description
<b>facet</b>	<code>&lt;facet name&gt;</code>	no	yes	-	This is the name of a facet which will be taken into account. Only facets which are supplied via a query parameter will be included into the result.

<code>&lt;facet_name&gt;</code>	<code>&lt;query string&gt;</code>	no	yes	–	The value of a query parameter named like a valid, existing facet defines a search query on the given facet name. It allows to reduce the result by certain values of facets.
<code>facet.limit</code>	<code>&lt;number&gt;</code>	no	no	–	Limits the number of values of a facet to the given amount.
<code>minDocs</code>	<code>&lt;number&gt;</code>	no	no	–	The amount of documents a facet must exceed to be included in the result set.
<code>oauth_consumer_key</code>	<code>&lt;API key&gt;</code>	yes	no	–	An API key is mandatory for data access. You may enclose it by either sending it as Query Parameter or (as mentioned here) in the Request Header.
<code>offset</code>	<code>&lt;number&gt;</code>	no	no	–	This is the number of the first entry of the result.
<code>query</code>	<code>&lt;query string&gt;</code>	yes	no	<code>*:*</code>	Term(s) to be searched. Must be <a href="#">URL-encoded</a> and compliant to the <a href="#">SQL R Query Syntax</a> .
<code>rows</code>	<code>&lt;number&gt;</code>	no	no	–	This is the count of result entries to be shown in total.
<code>sort</code>	<code>&lt;restricted values&gt;</code>	no	no	–	Defines the sorting order, which can be one of the following values. It requires the query parameter, otherwise the sort is always <code>random_&lt;seed&gt;</code> . <ul style="list-style-type: none"> <li>• ALPHA_ASC</li> <li>• ALPHA_DESC</li> <li>• RANDOM_&lt;seed&gt;</li> <li>• RELEVANCE</li> </ul>

## Authorization

This method needs an API key for authentication (Who are you?) and authorization (What you are authorized to do?). For more information please read the [Authorization How-To](#).

This method is offered over HTTP and HTTP Secure.

## Errors

Code	Text	Description
404	Not Found	Either the item does not exist or has no data.
406	Not Acceptable	The Request Header is not acceptable. Please see section <a href="#">Request Header</a> .
500	Server Error	Something went terribly wrong. An error message will provide a meaningful description.

## Samples

### Request 1

Search for all entities on the entity index.

```
GET /entities?query=*&oauth_consumer_key=abcdefgh12345678 HTTP/1.1
Host: api.deutsche-digitale-bibliothek.de
Accept: application/json
```

### Response

### Request 2

Search for all entities of type person.

```
GET /entities?query=type:person HTTP/1.1
Host: api.deutsche-digitale-bibliothek.de
Accept: */*
Authorization: OAuth oauth_consumer_key="abcdefgh12345678"
```

### Response

### Request 3

Search for the entity with the identifier <http://d-nb.info/gnd/118540238>.

```
GET /entities?query=id:"http://d-nb.info/gnd/118540238" HTTP/1.1
Host: api.deutsche-digitale-bibliothek.de
Accept: application/json
Authorization: OAuth oauth_consumer_key="abcdefgh12345678"
```

### Response

### Request 4

Search for all entities which contain the term frank in any field and value Bauingenieur in the facet person\_occupation\_fct.

```
GET
/entities?query=frank&facet=person_occupation_fct&person_occupation_fct=Naturwissensch
aftler HTTP/1.1
Host: api.deutsche-digitale-bibliothek.de
Accept: application/json
Authorization: OAuth oauth_consumer_key="abcdefgh12345678"
```

## Response