Search/Facet

Last updated: Thu, 19 Nov 2020 19:01:12 GMT

Find information related to Search/Facet in Relais D2D
Search/Facet is a service within DiscoverItem that is used to retrieve facets for an active search.

HTTP Method: GET

HTTP Method: POST
HTTP Header Content-Type: "application/json"

HTTP Header User-Agent: ${user-agent}
Standard HTTP clients (browser, HTTP client libraries, etc.) will automatically include its User-Agent value.

Search URL:
https://HOSTNAME/di/search/facet

Search/Facet parameters

<table>
<thead>
<tr>
<th>PARAMETER NAME</th>
<th>DEFINITION</th>
<th>REQUIRED/OPTIONAL/ETC.</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>aid</td>
<td>A valid authorization ID</td>
<td>Required</td>
<td>Refer to authentication service for details.</td>
</tr>
<tr>
<td>query</td>
<td>A valid Common Command Language - CCL (ISO 8777) query</td>
<td>Required</td>
<td>Refer to constructing CCL query for details</td>
</tr>
<tr>
<td>num</td>
<td>The number of values for each facet</td>
<td>Optional</td>
<td>If not provided, the default value of 15 will be used</td>
</tr>
<tr>
<td>name</td>
<td>The facet to retrieve</td>
<td>Optional</td>
<td>If not provided then all facets will be returned</td>
</tr>
</tbody>
</table>

Valid values:
<table>
<thead>
<tr>
<th>PARAMETER NAME</th>
<th>DEFINITION</th>
<th>REQUIRED/OPTIONAL/ETC.</th>
</tr>
</thead>
<tbody>
<tr>
<td>• author</td>
<td>• catalog</td>
<td>• date</td>
</tr>
<tr>
<td>• medium</td>
<td>• subject</td>
<td></td>
</tr>
</tbody>
</table>

Request body (HTTP Method: POST):

```json
{
  "Catalog":[
  {
    "Name":"CatalogA"
  },
  {
    "Name":"CatalogB"
  },
  {
    "Name":"...
  }
}
```

Example calls

Facets for a search with "aid" and "query" parameters

- aid=12knsfd987234ldfd2
- query=ti%3D%22The%20Stranger%22%20and%20au%3D%22Albert%22%20and%20au%3D%22Camus%22
  { ti="The Stranger" and au="Albert" and au="Camus" }

https://HOSTNAME/di/search/
**facet?aid=12knsfd987234ldfd2&query=ti%3D%22The%20Stranger%22%20and%20au%3D%22Albert%22%20and%20au%3D%22Camus%22**

Retrieve 15 (default) facet values for all facets for a search for The Stranger by Albert Camus.

Facets for a search with "aid", "query", and "num" parameters

- aid=12knsfd987234ldfd2
- query=ti%3D%22The%20Stranger%22%20and%20au%3D%22Albert%22%20and%20au%3D%22Camus%22
  { ti="The Stranger" and au="Albert" and au="Camus" }
- num=10
Retrieve 10 facet values for all facets for a search for The Stranger by Albert Camus.

**Facets for a search with "aid", "query", "num", and "name" parameters**

- aid=12knsfd987234ldfd2
- query=ti%3D%22The%20Stranger%22%20and%20au%3D%22Albert%22%20and%20au%3D%22Camus%22
  
  { ti="The Stranger" and au="Albert" and au="Camus" }
- num=20
- name=date and medium

Retrieve 20 facet values for date and medium facets for a search for The Stranger by Albert Camus.

**Response**

The response from this service is a JSON document.

**Successful response request**

The following is a sample response for a successful request (HTTP status 200 OK):

```json
{
  "ActiveCatalog":0,
  "Facet": [
    {
      "Name":"author",
      "Entry": [
        {
          "Value":"Author Name",
          "Frequency":0
        }
      ]
    },
    {
      "Name":"date",
      "Entry": [
        {
          "Value":"Publication Date",
          "Frequency":0
        }
      ]
    }
  ]
}
```

https://help.oclc.org/Resource_Sharing/Relais_D2D/Relais_Discovery_web_services/DiscoverItem/DiscoverItem_…

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Response value glossary

<table>
<thead>
<tr>
<th>VALUE NAME</th>
<th>DEFINITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ActiveCatalog</td>
<td>An integer value indicating the number of catalogs being actively searched. A value of 0 means that the search is complete.</td>
</tr>
<tr>
<td>Facet[n].Entry[n].Frequency</td>
<td>An integer value indicating the number of items with the same facet value.</td>
</tr>
<tr>
<td>Facet[&quot;catalog&quot;].Entry[n].ItemCount</td>
<td>An integer value indicating the number of items from that catalog.</td>
</tr>
</tbody>
</table>

Unsuccessful response request

The following is a sample response for an unsuccessful request.

```json
{
    "Name":"medium",
    "Entry":[
        {
            "Value":"Medium",
            "Frequency":18
        }
    ],
    "Name":"subject",
    "Entry":[
        {
            "Value":"Subject",
            "Frequency":0
        }
    ],
    "Name":"catalog",
    "Entry":[
        {
            "Value":"Catalog Name",
            "ItemCount":0
        }
    ]
}
```
### Problem codes and messages glossary

<table>
<thead>
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<th>HTTP STATUS</th>
<th>CODE</th>
<th>TYPE</th>
<th>MESSAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 Bad Request</td>
<td>PUBSC002, PUBHG001</td>
<td>Public</td>
<td>Missing parameter</td>
</tr>
<tr>
<td>400 Bad Request</td>
<td>PUBSC003</td>
<td>Public</td>
<td>Invalid parameter</td>
</tr>
<tr>
<td>401 Unauthorized</td>
<td>PUBSC004</td>
<td>Public</td>
<td>Invalid aid</td>
</tr>
<tr>
<td>401 Unauthorized</td>
<td>PUBSC006</td>
<td>Public</td>
<td>User group not authorized to access the service</td>
</tr>
<tr>
<td>404 Not Found</td>
<td>PUBHG005</td>
<td>Public</td>
<td>No result</td>
</tr>
<tr>
<td>412 Precondition Failed</td>
<td>PUBHG004</td>
<td>Public</td>
<td>Inactive search</td>
</tr>
<tr>
<td>500 Internal Server Error</td>
<td>PRISC001, PRIHG001</td>
<td>Private</td>
<td>Internal error</td>
</tr>
</tbody>
</table>