CatalogIt Public API Reference

Overview

The following are the current public CatalogIt API endpoints. These endpoints are available at `https://api.catalogit.app/api/public`.

Currently no authorization is required to call these endpoints. However, in the near future authorization will be required. Details of authorization have not yet been determined but will most likely be an OAuth2 time expiring `access-token/refresh-token`. When authentication is enforced it will be controlled via the HTTP `Authorization` header. For example:

```
curl -H "Authorization: Bearer <access-token>"
https://api.catalogit.app/api/public/accounts
```

Responses

HTTP Status Codes

Valid responses return an HTTP status code in the 200 range. Error responses return an HTTP status code in the 400 and 500 range.

Encoding

All responses are JSON and UTF-8 encoded: `Content-Type: application/json; charset=utf-8`

Pagination

List results are paginated using a page `size` and `cursor` request/response signuature. Pagination arguments are optional; if ommitted the first 5000 results will be returned (i.e. pagination defaults to `size=5000`). The `total` property in the response represents the total number of items available; the `size` represents how many were returned in the current call.

```
# Request
GET /endpoint?
size=:number&cursor=NoIgKgpgzgLgBAUQHYwE4E84GICMAGEAGhDwGNSBWAIxrwFoAOCBgJ
jpxwiroENSvGATjw8AZgBYAzJM6iIIALpA

# Response
{
  size: number;
  cursor?: string;
  total: number;
  results: [];
}
```

Size: You can control the size of the pagination window (the number of items returned in a single request/response) with the `size` query parameter. The default is 5000 if not specified.

Cursor: Endpoints return a maximum of `size` (see above, default 5000) hits per request and use a "cursor" token to support paging through result-sets that have more than "size" items. If the response does not contain all the items and there are more to request then the response will have a "cursor" property whose value must be passed as the "cursor" query parameter in a subsequent request to the same URL. "cursor" appearing in a response signals that there are more items that need to be requested; the value of the "cursor" property must be used in a request to get more items. If the number of hits exactly matches the "size" query argument a harmless, phantom "cursor" value will be included in the response which will return 0 additional entries when used in a subsequent request.

Errors

Details of error responses are available in a JSON encoded response body:

```
{
  msg: '...error message...'
}
```

Versioning

The API is currently unversioned. This isn't good -- we know. We're thinking of changing the URL path to include a version identifier along the lines of:

```
https://api.catalogit.app/v1/public/...
```

Having `api` in the path is redundant given that the domain is `api.catalogit.app`.

API Endpoints

The following is the full list of available public API endpoints.

Featured Items

Get Featured Items

```
# list featured accounts and classifications
GET /featured

# curl example
curl "https://api.catalogit.app/api/public/featured"
```

Account

Get list of all Accounts

```
# list accounts
GET /accounts?&size:number&cursor=:string

# curl example
curl "https://api.catalogit.app/api/public/accounts?size=10"
```

Get single Account

```
# get specified account
GET /accounts/:id returns info for a single account

# curl example
curl "https://api.catalogit.app/api/public/accounts/110"
```

Classifications

Get list of all classsifications

Note: the `/classifications` endpoint is a "list" response but is not paginated because the total number of classifications is limited and will never be that large.

```
# list distinct classifications
GET /classifications

# curl example
curl "https://api.catalogit.app/api/public/classifications"
```

Get list of all Entries in Classification

```
# get Entries of specified classification
GET /classifications/:id/entries?size:number&cursor=:string

# curl example
curl "https://api.catalogit.app/api/public/classifications/Print/entries?
size=10"
curl "https://api.catalogit.app/api/public/classifications/Print/entries?
size=10&cursor=NoIgOiASCWDmAWACA6gQwC4FMBOFEEkA7RAFXk0QFloBnG2+gB0egBpEBXQ
gEw025CsQABgCsAFkwBGAMwB2YQFoARpgCcaxVKn9Fa4QDMDiuctHdJaqQCZr5kAF0gA"
```

Account relationships - folders, entries, profiles, media

Get list of all Entries in account

```
# get Entries in Account
GET /accounts/:account-id/entries?size:number&cursor=:string

# curl example
curl "https://api.catalogit.app/api/public/accounts/110/entries?size=10"
curl "https://api.catalogit.app/api/public/accounts/110/entries?
size=10&cursor=NoIgwgFg9gxlA2BDALgUwAQBlUHMDOIANCAEwBmiiZAbACYAMAtLTABwAsj
AjF6jI6wDsiAKyMAzCIBGgkawCcrLjEGoQAXSA"
```

Folders

Get list of all Folders in account

Note: the `/accounts/:account-id/folders` endpoint is a "list" response but is not paginated. The total number of folders in an account should never be so large that pagination is required; the system will place a hard limit on the number of permitted folders.

```
# get list of shared folders in account
GET /accounts/:account-id/folders

# curl example
curl "https://api.catalogit.app/api/public/accounts/110/folders"
```

Get information for a single Folder

```
# get Folder info
GET /accounts/:account-id/folders/:folder-id

curl "https://api.catalogit.app/api/public/accounts/110/folders/2d907da0-
e9fa-11e8-a728-855005851082"
```

Get list of all Entries in Folder (in Account)

```
# get all entries in folder in account
GET /accounts/:account-id/folders/:folder/entries?
size=:number&cursor=:string

# curl example
curl "https://api.catalogit.app/api/public/accounts/110/folders/ed601300-
4673-11e8-8d0d-db1154979aab/entries?size=10"
curl "https://api.catalogit.app/api/public/accounts/110/folders/ed601300-
4673-11e8-8d0d-db1154979aab/entries?
size=10&cursor=NoIgOiASCWDmAWACA6gQwC4FMBOFEEkA7RAFXk0QFloBnG2+gB0egBpEBXQ
gEw025CsQABgCsAFkwBGAMwB2YQFoARpgCcaxVKn9Fa4QDMDiuctHdJaqQCZr5kAF0gA"
```

Get all Media in account

Not implemented - not convinced it has any value

```
GET /accounts/:account-id/media/    get all media in account
```

Entries

Get detailed information for a single Entry

```
# get detail on single entry
GET /accounts/:account-id/entries/:id

# curl example
curl "https://api.catalogit.app/api/public/accounts/110/entries/c835daf0-20cc-11e8-bbaa-2198fc1bc3a4"
```

Profiles

Get the list of published Profile types in account

```
# get all Profile types that are published in account
GET /accounts/:account-id/profiles

# curl example
curl "https://api.catalogit.app/api/public/accounts/110/profiles"
```

Get all Profiles for a type (i.e. Person, Place, etc.)

```
# get all Profiles in the account for the specified type
GET /accounts/:account-id/profiles/:typeURI?size=:number&cursor=:string

# curl example
curl
"https://api.catalogit.app/api/public/accounts/110/profiles/http%3A%2F%2Fw
ww.catalogit.me%2Frdf%2Fontologies%2Fcore%2Fcommon%23Person?size=10"
curl
"https://api.catalogit.app/api/public/accounts/110/profiles/http%3A%2F%2Fw
ww.catalogit.me%2Frdf%2Fontologies%2Fcore%2Fcommon%23Person?
size=10&cursor=NoIgQghgTgRtEAICyBjAchAtvEAaEAFgC5EAOAXAPSUDudAdChERADYD2A5
gJZH2YBTSlAAmAM0rcAdiO4A3biICubAM6UAzABYUANgDsATn0AGALQDDADn1mAjHctm4VmGZE
aATIYCsMO0y6MCYgALpAA"
```

Important: types (Person, Place, Color, etc.) are uniquely represented using a URI. You can use the `GET /accounts/:account-id/profiles` endpoint to get the URI for a specific Profile type. You must URI encode the type URI when including it as part of an API request URL. The example below shows the encoded URI for the Person type:

`http://www.catalogit.me/rdf/ontologies/core/common#Person`

GET detailed information for a single Profile

Note: Each Profile has a unique identifier which is a URI. You must URI encode this id when including it as part of an API request URL. The example below shows the encoded URI for the id:

`http://www.catalogit.me/rdf/individuals/b91f2420-57ac-11ec-b241-0d9c36065167`

```
# get details for a single profile
GET /accounts/:account-id/profile/:id

**Important:** Profile ids are uniquely represented using a URI. You must
URI encode the type URI when including it as part of an API request URL.
The example below shows the encoded URI of a Person ID

# curl example
curl
"https://api.catalogit.app/api/public/accounts/110/profile/http%3A%2F%2Fww
w.catalogit.me%2Frdf%2Findividuals%2Fb91f2420-57ac-11ec-b241-0d9c36065167"
```

Searching

Search globally accross all Accounts, Folders, Entries, and Profiles

Searches everything for any matching Account, Folder, Entry, or Profile. This endpoint's response is a tuple containing four individual resultsets for `accounts`, `folders`, `entries`, and `profiles`. Pagination is across all four resultsets using the entity with the maximum number of results as the controller.

```
# search across all accounts
GET /search?query=:query-string&size:number&cursor=:string

# curl example
curl "https://localhost:4000/api/public/search?query=violin&size=10"
```

Search for matching Folders, Entries, and Profiles in Account

Searches for Folders, Entries, and Profiles that match query. This endpoint's response is a tuple containing three individual resultsets for `folders`, `entries`, and `profiles`. Pagination is across all resultsets using the entity with the maximum number of results as the controller.

```
# search all Folders and Entries in Account
GET /accounts/:account-id/search?query=:query-
```

```
string&size:number&cursor=:string

# curl example
curl "https://api.catalogit.app/api/public/accounts/110/search?
query=violin&size=10"
```

Account for matching Entries in Account - entries only

Searches only Entries that match query -- does not search for matching Folders

```
# search all Entries in Account (excludes Folders)
GET /accounts/:account-id/entries/search?query=:query-
string&size:number&cursor=:string

# curl example
curl "https://api.catalogit.app/api/public/accounts/110/entries/search?
query=brooch&size=10"
curl "https://api.catalogit.app/api/public/accounts/110/entries/search?
query=brooch&size=10&cursor=NoIg4g9gNgJgBAMQKYEMAuALJAnOAhbCCAYwxABoQBWAdg
AYAWARjoA46BaB4hqjppqg4oUTGhwBGNVgDYaAZiQBOGChlUQAXSA"
```

Search Folder in Account for matching Entries

```
# search within folder within account
GET /accounts/:account-id/folder/:folder-id/search?query=:query-
string&size:number&cursor=:string

# curl example
curl "https://api.catalogit.app/api/public/accounts/110/folders/ed601300-
4673-11e8-8d0d-db1154979aab/search?query=basket&size=10"
curl "https://api.catalogit.app/api/public/accounts/110/folders/ed601300-
4673-11e8-8d0d-db1154979aab/search?
query=basket&size=10&cursor=NoIgygFghgNjD2B3ABGApgJwG4EsB2A5sgCoZQCeIANCAI
wBMtAJlAJwDGADALS1QActXrTTtuUNADN64pgCNW-AGz1OTNHIDsIALpA"
```

Search Classification for matching Entries

Searches all Entries of specified `classification-id` for matches.

```
# search only Entries of specified classification
GET /classifications/:classification-id/search?query=:query-
string&size:number&cursor=:string

# curl example
curl
"https://api.catalogit.app/api/public/classifications/Object%2FArtifact/se
arch?query=instrument&size=10"
```

```
curl
"https://api.catalogit.app/api/public/classifications/Object%2FArtifact/se
arch?
query=instrument&size=10&cursor=NoIgjAnA7ADABAIQKYDsAuB7FcBiAnAQxQGsAbAS2x
wPLziIBM4AlDBpDOAZwGNCAHAEYYMxEABoQAJh4EoANgBmAVhgBaQVAYM1YMEiRqAHEbBQ1yxV
DMwwgo1KNQQAXSA"
```

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Miscellany

Elasticsearch Indices

- public-account
- public-folder
- public-entry
- public-profile