

# Finna Authentication API (In English)



Katso myös:

In Finnish: [Finnan kirjautumisrajapinta](#)

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## General

Finna includes an API that can be used to determine whether the login credentials given by a user are correct. The API does not return patron information, only a success code. Successful authentication does not require the user to have an account in Finna, only in the target library system.

**N.B. The authentication API is only available on agreement.**

Character set is always UTF-8 (composed).

Please note that this API is very limited in functionality. Finna also supports [OpenID Connect](#) that offers more robust functionality and access to user attributes.

## Functions

getLoginTargets

<https://api.finna.fi/api/v1/auth/getLoginTargets?<parametrit>>

Returns a list of available login targets (libraries), where a login request can be made. The response also includes information whether a secondary login field (typically user's last name in addition to library card number and PIN code) is required.

| Parameter   | Type   | Description                                        | Allowed Values                                                                                                           |
|-------------|--------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| prettyPrint | Number | Whether the JSON is pretty-printed with line feeds | 0 (default), 1                                                                                                           |
| lng         | String | Language to use                                    | <ul style="list-style-type: none"><li>• fi (Finnish, default)</li><li>• sv (Swedish)</li><li>• en-gb (English)</li></ul> |

Example request:

<https://api.finna.fi/api/v1/auth/getLoginTargets?prettyPrint=1&lng=en-gb>

Example response:

```
{
  "targets": [
    {
      "id": "moominvalley",
      "name": "Moominvalley library",
    },
    {
      "id": "testi",
      "name": "Test library",
      "secondary_login_field_label": "Last Name"
    }
  ]
}
```

### libraryCardLogin

Returns whether the login was successful and any errors encountered. The parameters must be sent with a POST request (application/x-www-form-urlencoded; charset=utf-8) .

| Parameter   | Type   | Description                                                                              | Allowed Values                                                                                                         |
|-------------|--------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| prettyPrint | Number | Whether the JSON is pretty-printed with line feeds                                       | 0 (default), 1                                                                                                         |
| lng         | String | Language to use                                                                          | <ul style="list-style-type: none"> <li>fi (Finnish, default)</li> <li>sv (Swedish)</li> <li>en-gb (English)</li> </ul> |
| target      | String | Login target, i.e. library                                                               | Any id returned by getLoginTargets request                                                                             |
| username    | String | User name (library card number)                                                          |                                                                                                                        |
| password    | String | Password (PIN code)                                                                      |                                                                                                                        |
| secondary   | String | Secondary identification field if getLoginTargets returned a secondary_login_field_label |                                                                                                                        |

Example request (here as a GET request, use a POST request):

```
https://api.finna.fi/api/v1/auth/libraryCardLogin?
target=moominvalley&username=100010&password=12345&secondary=Moominpappa
```

Example response of a successful login:

```
{"result": "success", "status": "OK"}
```

Example response of a failed login (invalid user name or password):

```
{"result": "failure", "status": "OK"}
```

Example response of a failure processing the request e.g. because the library backend is not available:

```
{"status": "ERROR", "statusMessage": "Backend unavailable"}
```

## History

20.3.2017 Initial version