

API reference (EN)

The cataloging interface enables the retrieval and modification of bibliographic records. The interface has been developed using the HTTP REST software architecture model.



This cataloging interface **should not be used** with new integrations, because it's heavily based on the Melinda's current library system.

Contact [melinda-posti\(at\)helsinki.fi](mailto:melinda-posti(at)helsinki.fi) for details, if you're planning a new Melinda integration.

Connection addresses

Test environment

URL: <https://melinda-test.kansalliskirjasto.fi/API/v1/>

Protocols: *https*

Authentication

The implementation is compliant with HTTP Basic Access authentication and employs username-password identification. The credentials can be ordered by email: melinda-posti@helsinki.fi.



GET requests

Requests using the GET method do not require authentication.

Resources

/bib

Method	Description	Parameters	Request content types	Response content types	Example
POST	Create a new record	check (boolean) : Validate content, do not store the record bypass_low_validation (boolean) : Save the record even if the user doesn't have permissions to all of the edited LOW-fields bypass_index_check (boolean): Save the record without making duplicate detection check based on standard numbers	<i>text/xml</i>	<i>text/xml</i>	<pre>POST /API/v1/bib/ HTTP/1.1 Authorization: Basic XXXXXXXXXXXXXXXXXXXXXXXXX Host: melinda-test. kansalliskirjasto.fi Content-Type:text/xml Content-Length: 1601 HTTP/1.1 200 OK Content-Type: text/xml; charset=utf-8 <response> <message>[0018] Document: 00XXXXXX was updated successfully.</message> <session-id>XXXXXXXXXXXXXX< /session-id> </response></pre>

/bib/:id

Method	Description	Parameters	Request content types	Response content types	Example
GET	Retrieve a record	handle_deleted (boolean): Retrieve the record even if it is marked as deleted in the database no_rerouting (boolean): If the record is marked deleted in the database, do not retrieve superseding record even if one can be found		text/xml	<pre>GET /API/v1/bib/1234 HTTP/1.1 Host: melinda-test.kansalliskirjasto.fi HTTP/1.1 200 OK Content-Type: text/xml; charset=utf-8 <?xml version="1.0" encoding="UTF-8"?> <record><leader>00000cam^a22002177i^4 500</leader><controlfield tag="001" >000001234</controlfield> <controlfield tag="003">FI-MELINDA< /controlfield><controlfield tag="005" >20141229140637.0</controlfield> <controlfield tag="008" >900214s1980^^^^sw^ m^^^ e ng </controlfield> ...</pre>
PUT	Update a record	check (boolean) : Validate content, do not store the record bypass_low_validation (boolean) : Save the record even if the user doesn't have permissions to all of the LOW-fields bypass_index_check (boolean): Save the record without making duplicate detection check based on standard numbers handle_deleted (boolean): Save the record, even if it is marked deleted in the database	text/xml	text/xml	<pre>PUT /API/v1/bib/1234 HTTP/1.1 Authorization: Basic XXXXXXXXXXXXXXXXXXXXXXXXX Host: melinda-test.kansalliskirjasto.fi Content-Type: text/xml Content-Length: 1601 HTTP/1.1 200 OK Content-Type: text/xml; charset=utf-8 <response> <message>[0018] Document: 00XXXXXX was updated successfully.< /message> <session-id>XXXXXXXXXXXXXXXXX< /session-id> </response></pre>

/bib/:id/children

Method	Description	Parameters	Request content types	Response content types	Example
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GET	Retrieve constituent units of a record Note: As default API returns only those constituent units that are physically part of the parent. (In MARC 21 LDR/07 = 'a')	limit (number) : Maximum number of constituent units to retrieve. The total number of constituent units is stored in the <i>allRecordsCount</i> property of the <i>collection</i> element. start (number) : Index from which to start retrieving constituent units (unit count starts at 0). The chosen index is stored in the <i>firstRecordNumber</i> property of the <i>collection</i> element. include_parent (boolean) : Retrieve parent record along with its constituent units. include_nonmono (boolean): Include also constituent units that are not physically part of the parent (in MARC 21 LDR/07 != 'a')	07	text/xml	GET /API/v1/bib/1234/children HTTP/1.1 Host: melinda-test.kansalliskirjasto.fi HTTP/1.1 200 OK <collection allRecordsCount="0"> </collection>
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Parameters

Parameter types follow the name declaration:

parameter (string): string parameter

Optional parameters are written in italics:

mandatory (string) : mandatory parameter

optional (boolean) : optional parameter

Response codes

[Response codes returned by the library system](#)