

# Extracting Linked Data from Alma via APIs

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## Agenda

- Introduction
- The Linked Data Integration Profile
- The syntax to use APIs for Linked Data
- The sample bibliographic records
- Using the APIs
- Using the APIs in National Taiwan University

# Introduction

# Introduction

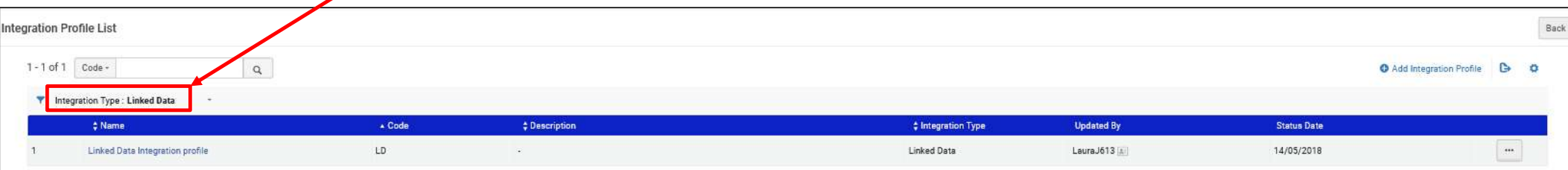
- Linked data can be extracted from Alma via APIs and via the general publishing profile \*see separate presentation regarding the general publishing profile)
- After extracting the data, it can be used in discovery for aiding the user.

# The Linked Data Integration Profile

# The Linked Data Integration Profile

- To use the APIs for linked data a Linked Data integration profile must be set to active.
- See also “To configure the linked data integration profile for your institution” at [Linked Data](#).
- The integration profile is accessed at “Configuration > General > External Systems > Integration Profiles”

Here we have filtered by Integration Type “Linked Data”



Integration Profile List

1 - 1 of 1 Code - [input] [search]

Integration Type: Linked Data

Name	Code	Description	Integration Type	Updated By	Status Date
Linked Data Integration profile	LD	-	Linked Data	LauraJ613	14/05/2018

# The Linked Data Integration Profile

- Here, in the “Actions” tab, we see that the integration profile is active



The screenshot displays the 'Integration Profile' configuration interface. At the top, there is a navigation bar with a back arrow and the title 'Integration Profile'. On the right side of this bar are 'Cancel' and 'Save' buttons. Below the navigation bar are three tabs: 'General Information', 'Actions', and 'Contact Info'. The 'Actions' tab is currently selected. Underneath the tabs, the section is labeled 'PARAMETERS'. The first parameter is 'Active', which has a checked checkbox and is highlighted with a red rectangular box. Below this are two text input fields: 'Alternative Context URL' (which is empty) and 'Base URL' (which contains the text 'https://eu.alma.exlibrisgroup.com/'). At the bottom of the form, there is a small note: 'Make sure the domain is registered to the same IP address as your Alma'.

# The Linked Data Integration Profile

- If you do not yet have an integration profile of type Linked Data, you can add a new profile from “Configuration > General > External Systems > Integration Profiles”



- Under Code, enter a unique code for the new integration type.
- Under Name, enter a unique name for the new integration type.
- Under Integration Type, select Linked Data.
- Click “Next”



# The Linked Data Integration Profile

- Select "Active" and "Save"

< Integration Profile 1 — 2 Cancel Back Save

PARAMETERS

Active

Alternative Context URL

Base URL

Make sure the domain is registered to the same IP address as your Alma

# The syntax to use APIs for Linked Data

# The syntax to use APIs for Linked Data

- The syntax to use APIs is as follows:
- For format JSONLD
  - <https://open-na.hosted.exlibrisgroup.com/alma/{Institution Code}/bibs/{MMSID}.jsonld>
- For format BIBFRAME
  - <https://open-na.hosted.exlibrisgroup.com/alma/{Institution Code}/bf/entity/instance/{MMSID}>
- For format RDA
  - <https://open-na.hosted.exlibrisgroup.com/alma/{Institution Code}/rda/entity/manifestation/{MMSID}>

# The sample bibliographic records

# The sample bibliographic record

100	1	SSa Schreur, Philip Evan, SSa author.
245	1 0	SSa Homo Deus : SSb techno-humanism vs dataism and the place of information in society : lectio magistralis in Library science / SSa by Philip E. Schreur.
250		SSa Prima edizione.
264	1	SSa Fiesole (Firenze) : SSb Casalini Libri, SSa 2023.
300		SSa 51 pages ; SSa 24 cm.
490	0	SSa Letture magistrali in biblioteconomia ; SSv XVI
500		SSa Lecture held in Florence, Italy, March 7, 2023.
546		SSa Text in English with Italian translation; abstract in English and Italian.
650	0	SSa Information science.
650	0	SSa Information technology.
650	0	SSa Metadata.
650	0	SSa Information society.
800	1 0	SSa Harari, Yuval N. SSa Historyah shel ha-mahar.
650	2	SSa Information Technology.
650	7	SSa Bibliotecas SSx Tecnología de la información. SS2 embne
650	7	SSa Information technology. SS9 eng SS2 eurovoc
650	7	SSa Bibliothèques techniques. SS2 idref
650	7	SSa Informatique. SS2 idref
650	7	SSa Informationstechnik. SS2 gnd
650	7	SSa Information science. SS9 lat SS2 nli
650	7	SSa Information science SS2 fast
650	7	SSa Information society SS2 fast
650	7	SSa Information technology SS2 fast
650	7	SSa Metadata SS2 fast
655	7	SSa Academic theses. SS2 logft

LCNAMES

LCSH

MESH

National Library of Spain (SpMaBN)

European Union Vocabularies

IdRef - Identifiants et référentiels pour l'Enseignement supérieur et la Recherche

Deutsche Nationalbibliothek

National Library of Israel

Library of Congress Genre/Form Terms vocabulary

First record:  
This is MMSID  
99520387200121

Faceted Application  
of Subject  
Terminology

# The sample bibliographic records

Second record:  
This is MMSID  
99521087800121

084		026.6	ncsclt	A heading linked to the Classification Scheme NCSCLT
097		4033857	al 026.6 0021 YYL	
245	0 0	文化發電機 : 客庄圖書館經營管理指引 / 曾光宗執行總編		
246	1 0	客庄圖書館經營管理指引		
264	1	新北市 :	客家委員會, 2023	
300		51面 :	部分彩圖 ; 24公分	
336		文字	txt rdacontent	
337		無媒介	n rdamedia	
338		成冊	nc rdacarrier	
500		題名取自封面		
504		含參考書目		
650	7	鄉鎮圖書館.	lcstt	A heading linked to the Subject Term LCSTT
650	7	圖書館推廣服務.	lcstt	
650	7	圖書館管理.	lcstt	
650	7	客家.	lcstt	
700	1	曾光宗.	edt	A heading linked to the Name Authority TWNAF

# Using the APIs

## Using the APIs

- The syntax for the first record MMSID 99520387200121 in institution EXLDEV1\_INST-eu is as follows:
- For format JSONLD
  - [https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1\\_INST-eu/bibs/99520387200121.jsonld](https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST-eu/bibs/99520387200121.jsonld)
- For format BIBFRAME
  - [https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1\\_INST-eu/bf/entity/instance/99520387200121](https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST-eu/bf/entity/instance/99520387200121)
- For format RDA
  - [https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1\\_INST-eu/rda/entity/manifestation/99520387200121](https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST-eu/rda/entity/manifestation/99520387200121)



## Using the APIs

- The syntax for the second record MMSID 99521087800121 in institution EXLDEV1\_INST-eu is as follows:
- For format JSONLD
  - [https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1\\_INST-eu/bibs/99521087800121.jsonld](https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST-eu/bibs/99521087800121.jsonld)
- For format BIBFRAME
  - [https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1\\_INST-eu/bf/entity/instance/99521087800121](https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST-eu/bf/entity/instance/99521087800121)
- For format RDA
  - [https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1\\_INST-eu/rda/entity/manifestation/99521087800121](https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST-eu/rda/entity/manifestation/99521087800121)

# Using the APIs

Here is part of the **first** record in **JSONLD** using [https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1\\_INST-eu/bibs/99520387200121.jsonld](https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST-eu/bibs/99520387200121.jsonld)

```
56     {
57       "@id": "http://id.worldcat.org/fast/973089",
58       "label": "Information technology"
59     },
60   },
61   "@id": "http://id.worldcat.org/fast/972767",
62   "label": "Information society"
63 },
64 {
65   "@id": "http://id.worldcat.org/fast/972640",
66   "label": "Information science"
67 },
68 {
69   "@id": "http://id.loc.gov/authorities/subjects/sh85066150",
70   "label": "Information science."
71 },
72 {
73   "@id": "http://id.loc.gov/authorities/subjects/sh89000606",
74   "label": "Information society."
75 },
76 {
77   "@id": "http://id.loc.gov/authorities/subjects/sh96000740",
78   "label": "Metadata."
79 },
80 {
81   "@id": "http://id.loc.gov/authorities/subjects/sh87002293",
82   "label": "Information technology."
83 },
84 {
85   "@id": "http://id.loc.gov/authorities/names/no2018155028",
86   "label": "Harari, Yuval N. Historyah shel ha-mahar.",
87   "sameAs": "http://viaf.org/viaf/sourceID/LC|no2018155028"
88 },
89 {
90   "@id": "http://eurovoc.europa.eu/5188",
91   "label": "information technology."
92 },
93 {
94   "@id": "https://datos.bne.es/tema/XX775438",
95   "label": "Bibliotecas Tecnología de la información."
96 }
97 ],
98 "edition": "Prima edizione.",
99 "language": "http://id.loc.gov/vocabulary/iso639-2/eng",
100 "title": "Homo Deus : techno-humanism vs dataism and the place of information in society : lectio magistralis in Library science /",
101 "@context": "https://open-na.hosted.exlibrisgroup.com/alma/contexts/bib",
102 "volume": "XVI",
```

# Using the APIs

```
▼<bf:subject>
  ▼<bf:Hub rdf:about="http://id.loc.gov/authorities/names/no2018155028">
    <rdf:type rdf:resource="http://www.loc.gov/mads/rdf/v1#NameTitle"/>
    <madsrdf:authoritativeLabel>Harari, Yuval N. Historyah shel ha-maḥar</madsrdf:authoritativeLabel>
    <madsrdf:isMemberOfMADSScheme rdf:resource="http://id.loc.gov/authorities/subjects"/>
    ▼<bf:contribution>
      ▼<bf:Contribution>
        ▼<bf:agent>
          ▼<bf:Agent rdf:about="https://eu.alma.exlibrisgroup.com/99520387200121#Agent600-25">
            <rdf:type rdf:resource="http://id.loc.gov/ontologies/bibframe/Person"/>
            <bf1c:marcKey>60010$aHarari, Yuval N.$tHistoryah shel ha-maḥar.$0http://id.loc.gov/authorities/names/no2018155028$0http://viaf.org/viaf/sourceID/LC|no2018155028</bf1c:marcKey>
            <rdfs:label>Harari, Yuval N.</rdfs:label>
          </bf:Agent>
        </bf:agent>
        ▼<bf:role>
          <bf:Role rdf:about="http://id.loc.gov/vocabulary/relators/ctb"/>
        </bf:role>
      </bf:Contribution>
    </bf:contribution>
    ▼<bf:title>
      ▼<bf:Title>
        <bf:mainTitle>Historyah shel ha-maḥar</bf:mainTitle>
      </bf:Title>
    </bf:title>
    ▼<bf:identifiedBy>
      ▼<bf:Identifier>
        <rdf:value rdf:resource="http://viaf.org/viaf/sourceID/LC|no2018155028"/>
      </bf:Identifier>
    </bf:identifiedBy>
    <bf1c:marcKey>60010$aHarari, Yuval N.$tHistoryah shel ha-maḥar.$0http://id.loc.gov/authorities/names/no2018155028$0http://viaf.org/viaf/sourceID/LC|no2018155028</bf1c:marcKey>
  </bf:Hub>
</bf:subject>
▼<bf:subject>
  ▼<bf:Topic rdf:about="http://id.nlm.nih.gov/mesh/D000073256">
    <rdf:type rdf:resource="http://www.loc.gov/mads/rdf/v1#Topic"/>
    <rdfs:label>Information Technology</rdfs:label>
    <madsrdf:authoritativeLabel>Information Technology</madsrdf:authoritativeLabel>
    <bf:source rdf:resource="http://id.loc.gov/vocabulary/subjectSchemes/mesh"/>
  </bf:Topic>
</bf:subject>
▼<bf:subject>
  ▼<bf:Topic rdf:about="https://datos.bne.es/tema/XX775438">
    <rdf:type rdf:resource="http://www.loc.gov/mads/rdf/v1#ComplexSubject"/>
    <rdfs:label>Bibliotecas--Tecnología de la información</rdfs:label>
    <madsrdf:authoritativeLabel>Bibliotecas--Tecnología de la información</madsrdf:authoritativeLabel>
```

Here is part of the **first** record in **BIBFRAME** using [https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1\\_INST-eu/bf/entity/instance/99520387200121](https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST-eu/bf/entity/instance/99520387200121)

# Using the APIs

Here is part of the **first** record in **RDA** using [https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1\\_INST-eu/rda/entity/manifestation/99520387200121](https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST-eu/rda/entity/manifestation/99520387200121)

```
<rdf:RDF xmlns:madsrdf="http://www.loc.gov/mads/rdf/v1#" xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#" xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#" xmlns:rdac="http://rdaregistry.info/Elements/c/"
xmlns:rdaw="http://rdaregistry.info/Elements/w/" xmlns:rdac="http://rdaregistry.info/Elements/e/" xmlns:rdam="http://rdaregistry.info/Elements/m/" xmlns:rdai="http://rdaregistry.info/Elements/i/" xmlns:rdaa="http://rdaregistry.info/Elements/a/">
  <rdac:Work rdf:about="https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST-rda/entity/work/9053037958766864196">
    <rdaw:titleOfWork>Homo Deus : techno-humanism vs dataism and the place of information in society : lectio magistralis in Library science </rdaw:titleOfWork>
    <rdaw:SubjectRelationshipOf rdf:resource="http://d-nb.info/gnd/040269264"/>
    <rdaw:SubjectRelationshipOf rdf:resource="https://www.idref.fr/114596476"/>
    <rdaw:SubjectRelationshipOf rdf:resource="https://www.idref.fr/033543054"/>
    <rdaw:SubjectRelationshipOf rdf:resource="http://id.nlm.nih.gov/mesh/D000073256"/>
    <rdaw:SubjectRelationshipOf rdf:resource="https://open-eu.hosted.exlibrisgroup.com/alma/972NNL_INST/authorities/987007550614705171"/>
    <rdaw:SubjectRelationshipOf rdf:resource="http://id.loc.gov/authorities/genreForms/gf2014026039"/>
    <rdaw:SubjectRelationshipOf rdf:resource="http://id.worldcat.org/fast/1017519"/>
    <rdaw:SubjectRelationshipOf rdf:resource="http://id.worldcat.org/fast/973089"/>
    <rdaw:SubjectRelationshipOf rdf:resource="http://id.worldcat.org/fast/972767"/>
    <rdaw:SubjectRelationshipOf rdf:resource="http://id.worldcat.org/fast/972640"/>
    <rdaw:creator>Schreuer, Philip Evan. Homo Deus.</rdaw:creator>
    <rdaw:SubjectRelationshipOf rdf:resource="http://id.loc.gov/authorities/subjects/sh89000606"/>
    <rdaw:SubjectRelationshipOf rdf:resource="http://id.loc.gov/authorities/subjects/sh96000740"/>
    <rdaw:SubjectRelationshipOf rdf:resource="http://id.loc.gov/authorities/subjects/sh87002293"/>
    <rdaw:SubjectRelationshipOf rdf:resource="http://id.loc.gov/authorities/subjects/sh85066150"/>
    <rdaw:creator rdf:resource="http://id.loc.gov/authorities/names/n89628077"/>
    <rdaw:SubjectRelationshipOf rdf:resource="http://id.loc.gov/authorities/names/no2018155028"/>
    <rdaw:creator>Schreuer, Philip Evan.</rdaw:creator>
    <rdaw:SubjectRelationshipOf rdf:resource="https://datos.bne.es/tema/XX775438"/>
    <rdaw:SubjectRelationshipOf rdf:resource="http://eurovoc.europa.eu/5188"/>
    <rdaw:manifestationOfWork rdf:resource="https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST-rda/entity/manifestation/99520387200121"/>
  </rdac:Work>
  <rdac:Expression>
    <rdac:languageOfExpression>eng</rdac:languageOfExpression>
    <rdac:manifestationOfExpression rdf:resource="https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST-rda/entity/manifestation/99520387200121"/>
  </rdac:Expression>
  <rdac:Manifestation rdf:about="https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST-rda/entity/manifestation/99520387200121">
    <rdam:placeOfPublication>Fiesole (Firenze) :</rdam:placeOfPublication>
    <rdam:publisher>Casalini Libri,</rdam:publisher>
    <rdam:dateOfPublication>2023.</rdam:dateOfPublication>
    <rdam:designationOfEdition>Prima edizione.</rdam:designationOfEdition>
    <rdam:workManifested rdf:resource="https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST-rda/entity/work/9053037958766864196"/>
    <rdam:relatedItem>AU67572</rdam:relatedItem>
  </rdac:Manifestation>
</rdf:RDF>
```

# Using the APIs

Here is the **second** record in **JSONLD** using [https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1\\_INST-eu/bibs/99521087800121.jsonld](https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST-eu/bibs/99521087800121.jsonld)

```
1 {
2   "date": "2023",
3   "note": [
4     "含參考書目",
5     "題名取自封面"
6   ],
7   "identifier": {
8     "label": "9786267242179"
9   },
10  "@type": "Book",
11  "subject": [
12    {
13      "@id": "https://ld.ncl.edu.tw/subject/94509",
14      "label": "客家."
15    },
16    {
17      "@id": "https://ld.ncl.edu.tw/subject/101336",
18      "label": "圖書館管理."
19    },
20    {
21      "@id": "https://ld.ncl.edu.tw/subject/101327",
22      "label": "圖書館推廣服務."
23    },
24    {
25      "@id": "https://ld.ncl.edu.tw/subject/99645",
26      "label": "鄉鎮圖書館."
27    }
28  ],
29  "publisher": "客家委員會",
30  "place_of_publication": "新北市 :",
31  "language": "http://id.loc.gov/vocabulary/iso639-2/chi",
32  "@id": "https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST/bibs/99521087800121",
33  "contributors": {
34    "@id": "https://ld.ncl.edu.tw/authority/43385",
35    "label": "管光宗."
36  },
37  "title": "文化發電機：客庄圖書館經營管理指引 /",
38  "@context": "https://open-na.hosted.exlibrisgroup.com/alma/contexts/bib"
39 }
```



# Using the APIs

```
▼<bf:subject>
  ▼<bf:Topic rdf:about="https://ld.ncl.edu.tw/subject/101327">
    <rdf:type rdf:resource="http://www.loc.gov/mads/rdf/v1#Topic"/>
    <rdfs:label>圖書館推廣服務</rdfs:label>
    <madsrdf:authoritativeLabel>圖書館推廣服務</madsrdf:authoritativeLabel>
    ▼<bf:source>
      ▼<bf:Source rdf:about="http://id.loc.gov/vocabulary/subjectSchemes/lcstt">
        <bf:code>lcstt</bf:code>
      </bf:Source>
    </bf:source>
  </bf:Topic>
</bf:subject>
▼<bf:subject>
  ▼<bf:Topic rdf:about="https://ld.ncl.edu.tw/subject/101336">
    <rdf:type rdf:resource="http://www.loc.gov/mads/rdf/v1#Topic"/>
    <rdfs:label>圖書館管理</rdfs:label>
    <madsrdf:authoritativeLabel>圖書館管理</madsrdf:authoritativeLabel>
    ▼<bf:source>
      ▼<bf:Source rdf:about="http://id.loc.gov/vocabulary/subjectSchemes/lcstt">
        <bf:code>lcstt</bf:code>
      </bf:Source>
    </bf:source>
  </bf:Topic>
</bf:subject>
▼<bf:subject>
  ▼<bf:Topic rdf:about="https://ld.ncl.edu.tw/subject/94509">
    <rdf:type rdf:resource="http://www.loc.gov/mads/rdf/v1#Topic"/>
    <rdfs:label>客家</rdfs:label>
    <madsrdf:authoritativeLabel>客家</madsrdf:authoritativeLabel>
    ▼<bf:source>
      ▼<bf:Source rdf:about="http://id.loc.gov/vocabulary/subjectSchemes/lcstt">
        <bf:code>lcstt</bf:code>
      </bf:Source>
    </bf:source>
  </bf:Topic>
</bf:subject>
▼<bf:contribution>
  ▼<bf:Contribution>
    ▼<bf:agent>
      ▼<bf:Agent rdf:about="https://ld.ncl.edu.tw/authority/43385">
        <rdf:type rdf:resource="http://id.loc.gov/ontologies/bibframe/Person"/>
        <bflc:marcKey>7001 $a曾光宗.$4edt</bflc:marcKey>
        <rdfs:label>曾光宗</rdfs:label>
      </bf:Agent>
    </bf:agent>
  </bf:Contribution>
</bf:contribution>
```

Here is part of the **second** record in **BIBFRAME** using [https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1\\_INST-eu/bf/entity/instance/99521087800121](https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST-eu/bf/entity/instance/99521087800121)

# Using the APIs

Here is part of the **second** record in **RDA** using [https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1\\_INST-eu/rda/entity/manifestation/99521087800121](https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST-eu/rda/entity/manifestation/99521087800121)

```
<rdf:RDF xmlns:madsrdf="http://www.loc.gov/mads/rdf/v1#" xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#" xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#" xmlns:rdac="http://rdaregistry.info/Elements/c/"
xmlns:rdaw="http://rdaregistry.info/Elements/w/" xmlns:rdae="http://rdaregistry.info/Elements/e/" xmlns:rdam="http://rdaregistry.info/Elements/m/" xmlns:rdai="http://rdaregistry.info/Elements/i/" xmlns:rdaa="http://rdaregistry.info/Elements/a/">
  <rdac:Work rdf:about="https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST/rda/entity/work/9016282715833441963">
    <rdaw:titleOfWork>文化發電機：客庄圖書館經營管理指引</rdaw:titleOfWork>
    <rdaw:creator rdf:resource="https://ld.ncl.edu.tw/authority/43385"/>
    <rdaw:SubjectRelationshipOf rdf:resource="https://ld.ncl.edu.tw/subject/94509"/>
    <rdaw:SubjectRelationshipOf rdf:resource="https://ld.ncl.edu.tw/subject/101336"/>
    <rdaw:SubjectRelationshipOf rdf:resource="https://ld.ncl.edu.tw/subject/101327"/>
    <rdaw:SubjectRelationshipOf rdf:resource="https://ld.ncl.edu.tw/subject/99645"/>
    <rdaw:manifestationOfWork rdf:resource="https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST/rda/entity/manifestation/99521087800121"/>
  </rdac:Work>
  <rdac:Expression>
    <rdae:languageOfExpression>chi</rdae:languageOfExpression>
    <rdae:manifestationOfExpression rdf:resource="https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST/rda/entity/manifestation/99521087800121"/>
  </rdac:Expression>
  <rdac:Manifestation rdf:about="https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST/rda/entity/manifestation/99521087800121">
    <rdam:placeOfPublication>新北市</rdam:placeOfPublication>
    <rdam:publisher>客家委員會</rdam:publisher>
    <rdam:dateOfPublication>2023</rdam:dateOfPublication>
    <rdam:workManifested rdf:resource="https://open-na.hosted.exlibrisgroup.com/alma/EXLDEV1_INST/rda/entity/work/9016282715833441963"/>
    <rdam:relatedItem>AU67576</rdam:relatedItem>
  </rdac:Manifestation>
</rdf:RDF>
```

# Using the APIs in National Taiwan University



# Using the APIs in National Taiwan University

- We will now use these same APIs for MMSID 991004065369704786 at the National Taiwan University (institution code 886NTU\_INST)

1 <input type="checkbox"/>	<b>圖書館學與資訊科學大辭典 / 胡述兆總編輯; 李德竹, 盧荷生副總編輯; 王振鵬總校訂; 朱則剛等主編</b>	Language: Chinese	MMS ID: 991004065369704786
	Book (Book - Physical) By 胡. 述兆 (臺北市 : 漢英, 1995[民84])	Creation Date: 2018/09/25 21:11:28	
	Subject: 圖書館學-字典, 辭典. 資訊科學-字典, 辭典. 電子書	ISBN: 957900577X and others	
	Modification Date: 2023/09/25 17:10:44	Record number: (TW-TaNTU)b14990775-886ntu_inst 	
	Edition: 初版		
	<input checked="" type="radio"/> Physical (6) <input checked="" type="radio"/> Electronic (3) <input type="radio"/> Digital <input type="radio"/> Other details		

# Using the APIs in National Taiwan University

- The syntax will be:
- For format JSONLD
  - [https://open-na.hosted.exlibrisgroup.com/alma/886NTU\\_INST/bibs/991004065369704786.jsonld](https://open-na.hosted.exlibrisgroup.com/alma/886NTU_INST/bibs/991004065369704786.jsonld)
- For format BIBFRAME
  - [https://open-na.hosted.exlibrisgroup.com/alma/886NTU\\_INST/bf/entity/instance/991004065369704786](https://open-na.hosted.exlibrisgroup.com/alma/886NTU_INST/bf/entity/instance/991004065369704786)
- For format RDA
  - [https://open-na.hosted.exlibrisgroup.com/alma/886NTU\\_INST/rda/entity/manifestation/991004065369704786](https://open-na.hosted.exlibrisgroup.com/alma/886NTU_INST/rda/entity/manifestation/991004065369704786)

# Using the APIs

```
1 {
2   "date": "1995[民84]",
3   "note": [
4     "分類:",
5     "英文題名:Encyclopedic dictionary of library and information science."
6   ],
7   "identifier": [
8     {
9       "label": "957900580X"
10    },
11    {
12      "label": "9579005796"
13    },
14    {
15      "label": "9579005788"
16    },
17    {
18      "label": "957900577X"
19    },
20    {
21      "label": ".b14990775"
22    },
23    {
24      "label": "(TW-TaNTU)b14990775-886ntu_inst"
25    }
26  ],
27  "@type": "Book",
28  "subject": [
29    {
30      "label": "資訊科學 字典,辭典."
31    },
32    {
33      "label": "圖書館學 字典,辭典."
34    }
35  ],
36  "edition": "初版",
37  "language": "http://id.loc.gov/vocabulary/iso639-2/chi",
38  "title": "圖書館學與資訊科學大辭典 /",
39  "@context": "https://open-na.hosted.exlibrisgroup.com/alma/contexts/bib",
40  "contributor": [
41    {
42      "label": "胡, 述兆"
43    },
44    {
45      "@id": "https://id.nc1.edu.tw/authority/330788",
46      "label": "宋, 則剛 [圖書館學]"
47    },
48    {
49      "label": "王, 振鵬"
50    },
51    {
52      "label": "龐, 荷生"
53    },
54    {
55      "label": "李, 德竹, 1935-2011."
56    }
57  ],
58  "publisher": "漢美,",
59  "place_of_publication": "臺北市 :",
60  "@id": "https://open-na.hosted.exlibrisgroup.com/alma/886NTU_INST/bibs/991004065369704786"
61 }
```

## JSONLD

[https://open-na.hosted.exlibrisgroup.com/alma/886NTU\\_INST/bibs/991004065369704786.jsonld](https://open-na.hosted.exlibrisgroup.com/alma/886NTU_INST/bibs/991004065369704786.jsonld)

# Using the APIs

```
<bf:contribution>
  <bf:Contribution>
    <bf:agent>
      <bf:Agent rdf:about="https://ld.ncl.edu.tw/authority/330788">
        <rdf:type rdf:resource="http://id.loc.gov/ontologies/bibframe/Person"/>
        <bf:marcKey>7001 $a宋, 則剛$c【圖書館學】$0https://ld.ncl.edu.tw/authority/330788</bf:marcKey>
        <rdfs:label>宋, 則剛【圖書館學】</rdfs:label>
      </bf:Agent>
    </bf:agent>
    <bf:role>
      <bf:Role rdf:about="http://id.loc.gov/vocabulary/relators/ctb"/>
    </bf:role>
  </bf:Contribution>
</bf:contribution>
<bf:relatedTo>
  <bf:Work rdf:about="https://ap01.alma.exlibrisgroup.com/bf/works/9035638500952423749?institute=886NTU_INST740-29">
    <rdf:type rdf:resource="http://id.loc.gov/ontologies/bf:Uncontrolled"/>
    <bf:title>
      <bf:Title>
        <bf:nonSortNum>0</bf:nonSortNum>
        <bf:mainTitle>Encyclopedic dictionary of library and information science</bf:mainTitle>
      </bf:Title>
    </bf:title>
  </bf:Work>
</bf:relatedTo>
<bf:hasInstance>
  <bf:Instance rdf:about="https://ap01.alma.exlibrisgroup.com/bf/instances/991004065369704786?institute=886NTU_INST856-30">
    <rdf:type rdf:resource="http://id.loc.gov/ontologies/bibframe/Electronic"/>
    <bf:title>
      <bf:Title>
        <bf:mainTitle>圖書館學與資訊科學大辭典</bf:mainTitle>
      </bf:Title>
    </bf:title>
    <bf:electronicLocator rdf:resource="https://epublish.hyweb.com.tw/NICT/search_detail.jsp?sysid=00001193"/>
  </bf:Instance>
  <bf:note>
    <bf:Note>
      <rdfs:label>點選全文 (v.1) (數位出版品資訊網)</rdfs:label>
    </bf:Note>
  </bf:note>
  <bf:instanceOf rdf:resource="https://ap01.alma.exlibrisgroup.com/bf/works/9035638500952423749?institute=886NTU_INST"/>
</bf:hasInstance>
</bf:hasInstance>
  <bf:Instance rdf:about="https://ap01.alma.exlibrisgroup.com/bf/instances/991004065369704786?institute=886NTU_INST856-31">
    <rdf:type rdf:resource="http://id.loc.gov/ontologies/bibframe/Electronic"/>
    <bf:title>
      <bf:Title>
        <bf:mainTitle>圖書館學與資訊科學大辭典</bf:mainTitle>
      </bf:Title>
    </bf:title>
    <bf:electronicLocator rdf:resource="https://epublish.hyweb.com.tw/NICT/search_detail.jsp?sysid=00001195"/>
  </bf:Instance>
</bf:hasInstance>
```

## BIBFRAME

[https://open-na.hosted.exlibrisgroup.com/alma/886NTU\\_INST/bf/entity/instance/991004065369704786](https://open-na.hosted.exlibrisgroup.com/alma/886NTU_INST/bf/entity/instance/991004065369704786)

# Using the APIs

## RDA

[https://open-na.hosted.exlibrisgroup.com/alma/886NTU\\_INST/rda/entity/manifestation/991004065369704786](https://open-na.hosted.exlibrisgroup.com/alma/886NTU_INST/rda/entity/manifestation/991004065369704786)

```
<rdf:RDF xmlns:madsrdf="http://www.loc.gov/mads/rdf/v1#" xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#" xmlns:rdc="http://www.w3.org/1999/02/22-rdf-syntax-ns#" xmlns:rdac="http://rdaregistry.info/Elements/c/"
xmlns:rdaw="http://rdaregistry.info/Elements/w/" xmlns:rdae="http://rdaregistry.info/Elements/e/" xmlns:rdam="http://rdaregistry.info/Elements/m/" xmlns:rdai="http://rdaregistry.info/Elements/i/" xmlns:rdaa="http://rdaregistry.info/Elements/a/">
  <rdac:Work rdf:about="https://open-na.hosted.exlibrisgroup.com/alma/886NTU_INST/rda/entity/work/9035638500952423749">
    <rdaw:titleOfWork>圖書館學與資訊科學大辭典</rdaw:titleOfWork>
    <rdaw:SubjectRelationshipOf>資訊科學 字典,辭典.</rdaw:SubjectRelationshipOf>
    <rdaw:SubjectRelationshipOf>圖書館學 字典,辭典.</rdaw:SubjectRelationshipOf>
    <rdaw:creator rdf:resource="https://id.ncl.edu.tw/authority/330788"/>
    <rdaw:creator>王, 振鵬</rdaw:creator>
    <rdaw:creator>龐, 荷生</rdaw:creator>
    <rdaw:creator>李, 德竹, 1935-2011.</rdaw:creator>
    <rdaw:creator>胡, 述兆</rdaw:creator>
    <rdaw:manifestationOfWork rdf:resource="https://open-na.hosted.exlibrisgroup.com/alma/886NTU_INST/rda/entity/manifestation/991004065369704786"/>
  </rdac:Work>
  <rdac:Expression>
    <rdae:languageOfExpression>chi</rdae:languageOfExpression>
    <rdae:manifestationOfExpression rdf:resource="https://open-na.hosted.exlibrisgroup.com/alma/886NTU_INST/rda/entity/manifestation/991004065369704786"/>
  </rdac:Expression>
  <rdac:Manifestation rdf:about="https://open-na.hosted.exlibrisgroup.com/alma/886NTU_INST/rda/entity/manifestation/991004065369704786">
    <rdam:placeOfPublication>臺北市</rdam:placeOfPublication>
    <rdam:publisher>漢美,</rdam:publisher>
    <rdam:dateOfPublication>1995[民84]</rdam:dateOfPublication>
    <rdam:designationOfEdition>初版</rdam:designationOfEdition>
    <rdam:workManifested rdf:resource="https://open-na.hosted.exlibrisgroup.com/alma/886NTU_INST/rda/entity/work/9035638500952423749"/>
    <rdam:relatedItem>1884715</rdam:relatedItem>
    <rdam:relatedItem>1884714</rdam:relatedItem>
    <rdam:relatedItem>1884713</rdam:relatedItem>
    <rdam:relatedItem>1884418</rdam:relatedItem>
    <rdam:relatedItem>1887417</rdam:relatedItem>
    <rdam:relatedItem>1887416</rdam:relatedItem>
    <rdam:relatedItem>1884426</rdam:relatedItem>
    <rdam:relatedItem>1884425</rdam:relatedItem>
    <rdam:relatedItem>1884424</rdam:relatedItem>
    <rdam:relatedItem>2307246</rdam:relatedItem>
    <rdam:relatedItem>2307245</rdam:relatedItem>
    <rdam:relatedItem>2307244</rdam:relatedItem>
  </rdac:Manifestation>
</rdf:RDF>
```

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