



Setting up an Alma OAI Publishing Profile for Rapid

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21 September 2017

CSIRO IMT
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Introduction

Rapid requires two distinct OAI (Open Archives Initiative) sets to be made available for harvest:

- A physical journals set
- An electronic journals set

Step 1:

Create an OAI Integration Profile

Create an OAI Integration Profile

Go to Alma > Admin. > General Config. > Integration Profiles

Select Add Integration Profile

Select Integration Type of : OAI Repository Definition

OAI Repository Definitions

Active * Active Non Active

Repository Name *

Repository Base URL

Protocol Version

Admin Email *

Earliest Datestamp *

Date Format is dd/MM/yyyy

Deleted Record

Granularity

[Metadata Prefixes](#)

[Allowed IPs](#)

OAI Schema Delimiter :

Max bulk size for ListIdentifiers *

request

Up to 900 Identifiers

Max bulk size for ListRecords *

request

Up to 900 Records

Create an OAI Integration Profile

Select a Metadata Prefix of mar21.

Allowed IPs allows you to restrict access to your OAI feed.

The Repository Base URL is the url of your OAI feed.

This is auto-generated by Alma.

Supply this url to Rapid.

Step 2:

Create the Alma Sets

Create the Alma Sets

Rapid requires two distinct OAI (Open Archives Initiative) sets to be made available for harvest:

- A physical journals set
- An electronic journals set

Go to Alma > Admin. > Manage Jobs and Sets > Manage Sets and create a set for both physical and electronic journals.

Name	Type	Content Type
OAI Electronic Journal - Einstein	Logical	Electronic titles
OAI Physical Journal - Einstein	Logical	Electronic titles

Create the Alma Sets

Example Physical Journals Set

Find

[Add conditions](#)

Title

	Find	Material Type	<input type="text" value="Equals"/>	<input type="text" value="Journal"/>
	And	Has inventory	<input type="text" value="Equals"/>	<input type="text" value="Yes"/>
	And	Tag Suppressed (Title)	<input type="text" value="Equals"/>	<input type="text" value="No"/>
	And	Keywords	<input type="text" value="Contains Keywords"/>	<input type="text" value="Einstein"/>

1 [Einstein](#)

Journal (São Paulo, SP Instituto Israelita de Ensino e Pesquisa Albert Einstein)

Update Date: 11/11/2013 Language: English

Availability: [Physical version](#) at **MUS: music; ALICE 123.45**

[Physical version](#) at **BIO: bioper; 456.34**

[Physical version](#) at **INFOSUPPORT: Storage** from:1 2015 until:1 2017

[Holdings](#) | [Items](#) | [Edit Record](#) | [Order](#) | [Request](#) | [Publishing information](#) | [Linked Data](#) | [Reminders](#) | [More info](#)

2 [From Copernicus to Einstein / by Hans Reichenbach, translated by Ralph B. Winn.](#)

Journal By Reichenbach, Hans, (New York : Philosophical library Alliance Book Corp 1942.)

Language: English Record number: (TrN)46533-train20072_c2db

Availability: [Physical version](#) at **BIO: biology; 530.1 R35f** (1 copy, 0 available)

[Holdings](#) | [Items](#) | [Edit Record](#) | [Order](#) | [Request](#) | [Publishing information](#) | [Linked Data](#) | [Reminders](#) | [More info](#)

3 [Gravitational curvature : an introduction to Einstein's theory / Theodore Frankel.](#)

Journal By Frankel, Theodore, (San Francisco : W H Freeman c1979.)

Language: English Record number: 78012092

Availability: [Physical version](#) at **BIO: biology; QC173.55 .F7** (1 copy, 0 available)

[Holdings](#) | [Items](#) | [Edit Record](#) | [Order](#) | [Request](#) | [Publishing information](#) | [Linked Data](#) | [Reminders](#) | [More info](#)

Create the Alma Sets

Example Electronic Journals Set

Find

Add conditions

Title

	Find	Material Type	<input type="text" value="Equals"/>	<input type="text" value="Journal"/>
	And	Has inventory	<input type="text" value="Equals"/>	<input type="text" value="Yes"/>
	And	Tag Suppressed (Title)	<input type="text" value="Equals"/>	<input type="text" value="No"/>
	And	Keywords	<input type="text" value="Contains Keywords"/>	<input type="text" value="Einstein"/>

Electronic Portfolio

	Find	Availability (Electronic Portfolio)	<input type="text" value="Equals"/>	<input type="text" value="Available"/>
--	------	-------------------------------------	-------------------------------------	--

- [Einstein](#)
Identifier: 1679-4508 Imprint: São Paulo, SP, Instituto Israelita de Ensino e Pesquisa Albert Einstein,
Type: Journal Language: English
Availability: [Electronic version](#) at Free E-Journals (Free E- Journals): Full Text
[Portfolio List](#) | [View It](#) | [Order](#) | [Document Delivery](#) | [Publishing information](#) | [Linked Data](#) | [Reminders](#) | [More info](#)
- [Einstein](#)
Identifier: 1679-4508 Imprint: São Paulo, SP, Instituto Israelita de Ensino e Pesquisa Albert Einstein,
Type: Journal Language: English
Availability: [Electronic version](#) at Free E-Journals (Free E- Journals): Full Text
[Portfolio List](#) | [View It](#) | [Order](#) | [Document Delivery](#) | [Publishing information](#) | [Linked Data](#) | [Reminders](#) | [More info](#)
- [The Einstein journal of biology and medicine](#)
Identifier: 1559-5501 Imprint: Bronx, NY, Albert Einstein College of Medicine,
Type: Journal Language: English
Availability: [Electronic version](#) at Free E-Journals (Free E- Journals): Full Text
[Portfolio List](#) | [View It](#) | [Order](#) | [Document Delivery](#) | [Publishing information](#) | [Linked Data](#) | [Reminders](#) | [More info](#)
- [The Einstein journal of biology and medicine](#)
Identifier: 1559-5501 Imprint: Bronx, NY, Albert Einstein College of Medicine,
Type: Journal Language: English
Availability: [Electronic version](#) at Free E-Journals (Free E- Journals): Full Text
[Portfolio List](#) | [View It](#) | [Order](#) | [Document Delivery](#) | [Publishing information](#) | [Linked Data](#) | [Reminders](#) | [More info](#)

Step 3:

Create an OAI Publishing Profile for the Physical Journals Set

Physical Journals OAI Publishing Profile

Go to Alma > Resource Mgmt. > Resource Config. > Config. Menu > Record Export > Publishing Profiles

Click on Add Profile > General Profile

Physical Journals OAI Publishing Profile

Profile Details

Profile Name * OAI Physical Journal Einstein

Profile Description

— Publishing Parameters

Status Active Inactive

Scheduling Not scheduled

Publishing Mode Incremental Full Date Range Republish Set

Please note that choosing this mode limits scheduling options

Content

Set name * OAI Physical Journal - Einstein

Filter Records

Publish on: Bibliographic level
 Holdings/Portfolio/Representation level
 Item/Portfolio level

Output format MARC21 Bibliographic

Publishing Protocol

FTP

OAI

Set Spec * CSIRO:PJ

Set Name * CSIRO Physical Journal

Metadata Prefix * marc21

Z39.50

Physical Journals OAI Publishing Profile

Bibliographic Normalization

Correct the data using normalization rules

Linked Data enrichment

Physical Items Enrichment

Add Holdings information

Quick Add

Holding Tag Holding Subfield Bib Tag Bib Subfield

Add

	↕ Holding Tag	↕ Holding Subfield	Bib Tag	Bib Subfield
1	852	b	984	a
2	852	a	984	b
3	852	h	984	c
4	866	a	984	d

Additional Holdings Fields

Create date field Subfield
Update date field Subfield

Exclude suppressed records

Physical Journals OAI Publishing Profile

Example of Holdings Mapping:

◆ Holding Tag	◆ Holding Subfield	Bib Tag	Bib Subfield
852	b	984	a
852	a	984	b
852	h	984	c
866	a	984	d

Note: What fields you map holdings to is arbitrary. Just advise Rapid of your mapping.

Holding Record

LDR 00267cx a22001093 4500

001 13540
004 13271
005 20170807103436.0
008 9701150p 8 4001aueng0000000
014 1_ |a 78012092
852 0_ |a MAIN |b BIO |c biology |h QC173.55 |i .F7
866 31 |a v. 1-4 (1941-1943), v. 6-86 (1945-1987)

OAI Feed

```
▼<datafield tag="984" ind1="0" ind2=" " >
  <subfield code="a">BIO</subfield>
  <subfield code="b">MAIN</subfield>
  <subfield code="c">QC173.55</subfield>
  <subfield code="8">22834800000521</subfield>
</datafield>
▼<datafield tag="984" ind1="3" ind2="1">
  <subfield code="d">v. 1-4 (1941-1943), v. 6-86 (1945-1987)</subfield>
  <subfield code="8">22834800000521</subfield>
</datafield>
```

Physical Journals OAI Publishing Profile

Save the Publishing Profile.
The new Publishing Profile will appear in the Publishing Profiles list.
For this profile select Actions > Run.
This will create the OAI stream that can be harvested by Rapid.

✓	OAI Physical Journal Einstein	-	07/08/2017	Actions
✓	Physical Books - Date Range	-	06/10/2016	Edit ons
✓	Publish bibliographic record (DataSync) to OCLC	Synchronize your local catalog with WorldCat	04/02/2016	Delete ons
✓	Publish bibliographic records to Primo	Setup the parameters for publishing bibliographic records to Primo	10/04/2017	Run ons
				History ons

The URL of the stream will look something like:

REPOSITORY_BASE_URL?verb=ListRecords&set=SET_SPEC&metadataPrefix=marc21

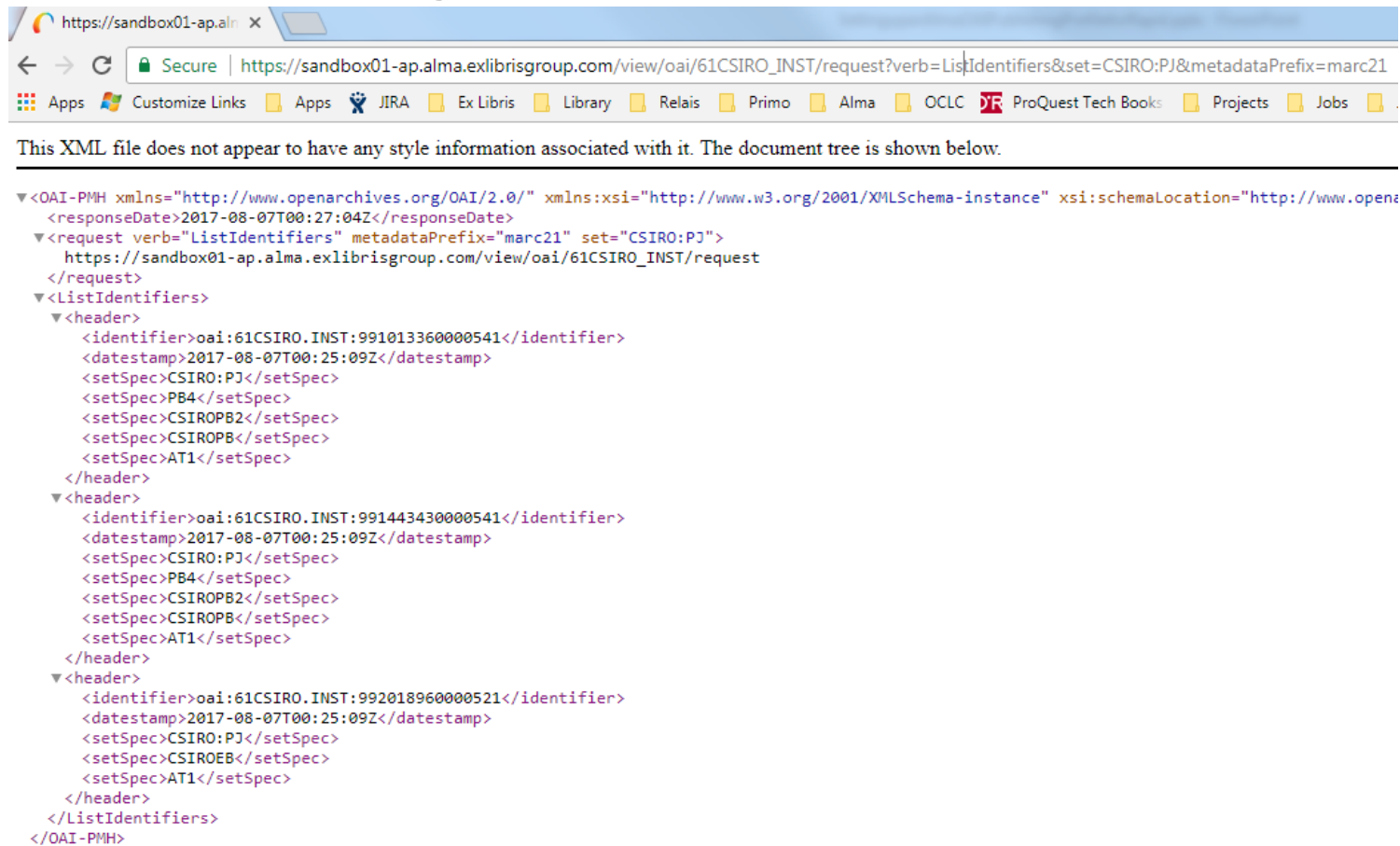
e.g.

<https://sandbox01->

ap.alma.exlibrisgroup.com/view/oai/CSIRO_INST/request?verb=ListRecords&set=CSIRO:PJ&metadataPrefix=marc21

Physical Journals OAI Publishing Profile

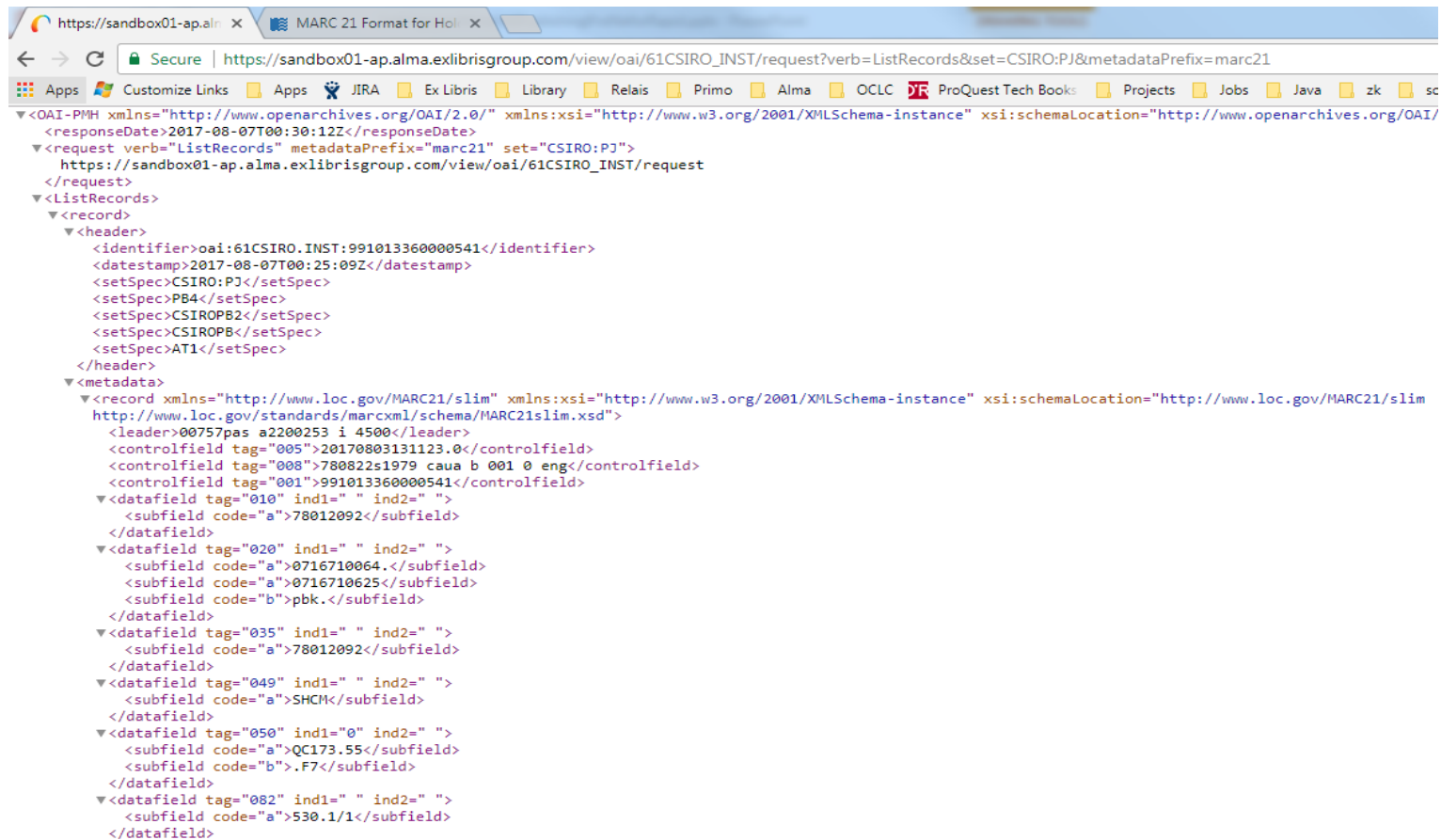
Results from using the ListIdentifiers verb:



```
<?xml version="1.0" encoding="UTF-8" ?>
<OAI-PMH xmlns="http://www.openarchives.org/OAI/2.0/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.open
  <responseDate>2017-08-07T00:27:04Z</responseDate>
  <request verb="ListIdentifiers" metadataPrefix="marc21" set="CSIRO:PJ">
    https://sandbox01-ap.alma.exlibrisgroup.com/view/oai/61CSIRO_INST/request
  </request>
  <ListIdentifiers>
    <header>
      <identifier>oai:61CSIRO.INST:991013360000541</identifier>
      <timestamp>2017-08-07T00:25:09Z</timestamp>
      <setSpec>CSIRO:PJ</setSpec>
      <setSpec>PB4</setSpec>
      <setSpec>CSIROPB2</setSpec>
      <setSpec>CSIROPB</setSpec>
      <setSpec>AT1</setSpec>
    </header>
    <header>
      <identifier>oai:61CSIRO.INST:991443430000541</identifier>
      <timestamp>2017-08-07T00:25:09Z</timestamp>
      <setSpec>CSIRO:PJ</setSpec>
      <setSpec>PB4</setSpec>
      <setSpec>CSIROPB2</setSpec>
      <setSpec>CSIROPB</setSpec>
      <setSpec>AT1</setSpec>
    </header>
    <header>
      <identifier>oai:61CSIRO.INST:992018960000521</identifier>
      <timestamp>2017-08-07T00:25:09Z</timestamp>
      <setSpec>CSIRO:PJ</setSpec>
      <setSpec>CSIROEB</setSpec>
      <setSpec>AT1</setSpec>
    </header>
  </ListIdentifiers>
</OAI-PMH>
```


Physical Journals OAI Publishing Profile

Result from using the ListRecords verb:



```
https://sandbox01-ap.alma.exlibrisgroup.com/view/oai/61CSIRO_INST/request?verb=ListRecords&set=CSIRO:PJ&metadataPrefix=marc21
Secure | https://sandbox01-ap.alma.exlibrisgroup.com/view/oai/61CSIRO_INST/request?verb=ListRecords&set=CSIRO:PJ&metadataPrefix=marc21
Apps Customize Links Apps JIRA Ex Libris Library Relais Primo Alma OCLC ProQuest Tech Books Projects Jobs Java zk sc
▼<OAI-PMH xmlns="http://www.openarchives.org/OAI/2.0/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.openarchives.org/OAI/
  <responseDate>2017-08-07T00:30:12Z</responseDate>
  <request verb="ListRecords" metadataPrefix="marc21" set="CSIRO:PJ">
    https://sandbox01-ap.alma.exlibrisgroup.com/view/oai/61CSIRO_INST/request
  </request>
  <ListRecords>
    <record>
      <header>
        <identifier>oai:61CSIRO_INST:99101336000541</identifier>
        <timestamp>2017-08-07T00:25:09Z</timestamp>
        <setSpec>CSIRO:PJ</setSpec>
        <setSpec>PB4</setSpec>
        <setSpec>CSIROPB2</setSpec>
        <setSpec>CSIROPB</setSpec>
        <setSpec>AT1</setSpec>
      </header>
      <metadata>
        <record xmlns="http://www.loc.gov/MARC21/slim" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.loc.gov/MARC21/slim
          http://www.loc.gov/standards/marcxml/schema/MARC21slim.xsd">
          <leader>00757pas a2200253 i 4500</leader>
          <controlfield tag="005">20170803131123.0</controlfield>
          <controlfield tag="008">780822s1979 caua b 001 0 eng</controlfield>
          <controlfield tag="001">99101336000541</controlfield>
          <datafield tag="010" ind1=" " ind2=" ">
            <subfield code="a">78012092</subfield>
          </datafield>
          <datafield tag="020" ind1=" " ind2=" ">
            <subfield code="a">0716710064.</subfield>
            <subfield code="a">0716710625</subfield>
            <subfield code="b">pbk.</subfield>
          </datafield>
          <datafield tag="035" ind1=" " ind2=" ">
            <subfield code="a">78012092</subfield>
          </datafield>
          <datafield tag="049" ind1=" " ind2=" ">
            <subfield code="a">SHCM</subfield>
          </datafield>
          <datafield tag="050" ind1="0" ind2=" ">
            <subfield code="a">QC173.55</subfield>
            <subfield code="b">.F7</subfield>
          </datafield>
          <datafield tag="082" ind1=" " ind2=" ">
            <subfield code="a">530.1/1</subfield>
          </datafield>
        </record>
      </metadata>
    </record>
  </ListRecords>
</OAI-PMH>
```

Step 4:

Create an OAI Publishing Profile for the Electronic Journals Set

Electronic Journals OAI Publishing Profile

Go to Alma > Resource Mgmt. > Resource Config. > Config. Menu > Record Export > Publishing Profiles

Click on Add Profile > General Profile

Electronic Journals OAI Publishing Profile

Profile Details

Profile Name * OAI Physical Journal Einstein

Profile Description

— Publishing Parameters

Status Active Inactive

Scheduling Not scheduled

Publishing Mode Incremental Full Date Range Republish Set

Please note that choosing this mode limits scheduling options

Content

Set name * OAI Physical Journal - Einstein

Filter Records

Publish on: Bibliographic level
 Holdings/Portfolio/Representation level
 Item/Portfolio level

Output format MARC21 Bibliographic

Publishing Protocol

FTP

OAI

Set Spec * CSIRO:PJ

Set Name * CSIRO Physical Journal

Metadata Prefix * marc21

Z39.50

Electronic Journals OAI Publishing Profile

Bibliographic Normalization

Correct the data using normalization rules

Linked Data enrichment

Physical Items Enrichment

Add Holdings information

No records were found.

Physical Items Enrichment

Add Items Information

Electronic Inventory Enrichment

Add Electronic Portfolio Information

Repeatable field *

Portfolio PID

Access URL subfield

Collection Name subfield

Interface Name subfield

Coverage Statement subfield

Activation Status

Link Resolver Base URL *

Library subfield

Public Note subfield

CZ Collection Identifier subfield

Electronic Journals OAI Publishing Profile

Example of Electronic Enrichment:

Repeatable field *	<input type="text" value="984"/>	Activation Status	<input type="text" value="e"/>
Portfolio PID	<input type="text"/>	Link Resolver Base URL *	<input type="text" value="http://primo-direct-apac.hosted.exlibrisgroup"/>
Access URL subfield	<input type="text" value="c"/>	Library subfield	<input type="text"/>
Collection Name subfield	<input type="text" value="a"/>	Public Note subfield	<input type="text"/>
Interface Name subfield	<input type="text"/>	CZ Collection Identifier subfield	<input type="text"/>
Coverage Statement subfield	<input type="text" value="d"/>		

Portfolio

 [The Einstein journal of biology and medicine](#)
Free E-Journals (Free E- Journals): getFullTxt
Available from 2001 volume: 1 issue: 1.
[Edit Portfolio](#) | [View](#) | [Deactivate](#) | [Order](#) | [Create](#)





OAI Feed

```
<datafield tag="984" ind1=" " ind2=" " >
  <subfield code="c">
    http://primo-direct-apac.hosted.exlibrisgroup.com/openurl/CSIRO/CSIRO
  </subfield>
  <subfield code="d">Available from 2001 volume: 1 issue: 1.</subfield>
  <subfield code="e">Available</subfield>
  <subfield code="a">Free E-Journals</subfield>
  <subfield code="8">537047620000521</subfield>
</datafield>
```

Note: What fields you map portfolio info to is arbitrary. Just advise Rapid of your mapping

Electronic Journals OAI Publishing Profile

Save the Publishing Profile.
The new publishing Profile will appear in the Publishing Profiles list.
For this profile select Actions > Run.
This will create the OAI stream that can be harvested by Rapid.

11		OAI Electronic Journal Einstein	-	07/08/2017	Actions	
12		OAI Physical Book	-	28/09/2016	Edit	ions
13		OAI Physical Book 2	-	27/09/2016	Delete	ions
14		OAI Physical Book 3 - Date Range	-	28/09/2016	Run	ions
					History	ions

The URL of the stream will look something like:

https://ALMA_BASE_URL/view/oai/ALMA_INST_ID/request?verb=ListRecords&set=SET_SPEC&metadataPrefix=marc21

e.g.

https://sandbox01-ap.alma.exlibrisgroup.com/view/oai/CSIRO_INST/request?verb=ListRecords&set=CSIRO:EJ&metadataPrefix=marc21

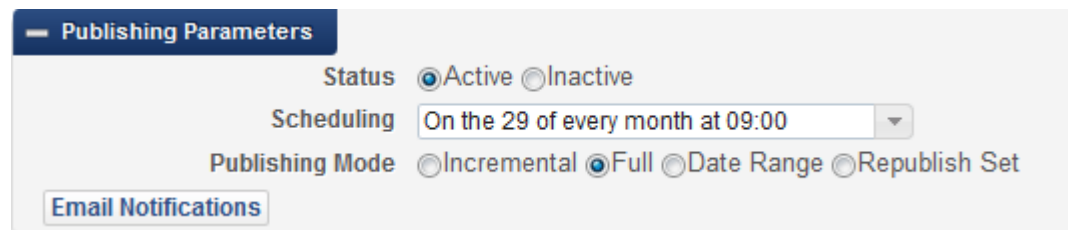
Information for Rapid

Advise Rapid of the following:

- The Repository Base URL from your OAI Integration Profile
- The Set Spec of your publishing profiles.
E.g. CSIRO:EJ and CSIRO:PJ

After Rapid confirm that they have harvested the OAI feed, edit Alma to set up a schedule for your publishing profiles.

Advise Rapid of your publishing schedule.



— Publishing Parameters

Status Active Inactive

Scheduling

Publishing Mode Incremental Full Date Range Republish Set

[Email Notifications](#)

OAI Verbs

- Identify: confirm the OAI repository is up and running.

REPOSITORY_BASE_URL?verb=Identify

e.g. <https://sandbox01->

[ap.alma.exlibrisgroup.com/view/oai/61CSIRO_INST/request?verb=Identify](https://sandbox01-ap.alma.exlibrisgroup.com/view/oai/61CSIRO_INST/request?verb=Identify)

- ListSets: identify what sets are available for harvest.

REPOSITORY_BASE_URL?verb=ListSets

e.g. <https://sandbox01->

[ap.alma.exlibrisgroup.com/view/oai/61CSIRO_INST/request?verb=ListSets](https://sandbox01-ap.alma.exlibrisgroup.com/view/oai/61CSIRO_INST/request?verb=ListSets)

- ListRecords: show the records that are available for harvest.

REPOSITORY_BASE_URL?verb=ListRecords&set=**SET_SPEC**&metadataPrefix=marc21

e.g. <https://sandbox01->

[ap.alma.exlibrisgroup.com/view/oai/61CSIRO_INST/request?verb=ListRecords&set=CSIRO:EJ&metadataPrefix=marc21](https://sandbox01-ap.alma.exlibrisgroup.com/view/oai/61CSIRO_INST/request?verb=ListRecords&set=CSIRO:EJ&metadataPrefix=marc21)

Thank you