Setting up an Alma OAI Publishing Profile for Rapid

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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 *	sandbox
Repository Base URL	https://sandbox01-ap.alma.exlibrisgroup.com/view/oai/61CSIRO_INST/request
Protocol Version	2.0
Admin Email *	alma_admin@csiro.au
Earliest Datestamp *	01/01/1900 (Not really relevant in this case)
	Date Format is dd/MM/yyyy
Deleted Record	transient
Granularity	YYYY-MM-DDThh:mm:ssZ
	Metadata Prefixes
	Allowed IPs
OAI Schema	oai Delimiter :
Max bulk size for ListIdentifiers * request	100
	Up to 900 Identifiers
Max bulk size for ListRecords * request	100
	Up to 900 Records

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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.

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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

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Create the Alma Sets

Example Physical Journals Set

Create the Alma Sets

Example Electronic Journals Set

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

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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 ☐

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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 ☑

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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   OAI Feed

```
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)
```

```
▼<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">228348000000521</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">228348000000521</subfield>
  </datafield>
```

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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.

The URL of the stream will look something like:
REPOSITORY_BASE_URL?verb=ListRecords&set=SET_SPEC&metadataPrefix=marc21
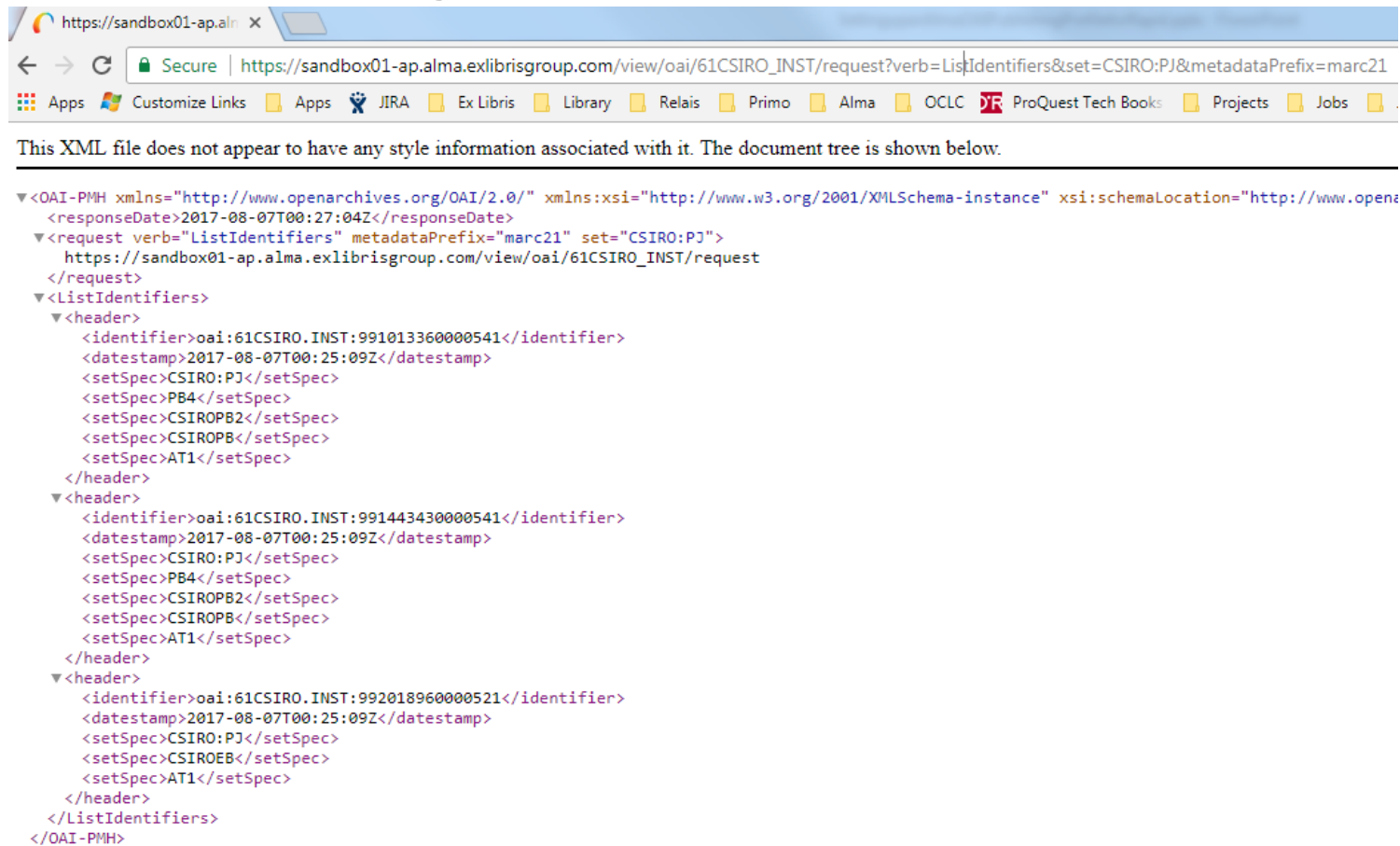e.g.
https://sandbox01-ap.alma.exlibrisgroup.com/view/oai/CSIRO_INST/request?verb=ListRecords&set=CSIRO:PJ&metadataPrefix=marc21
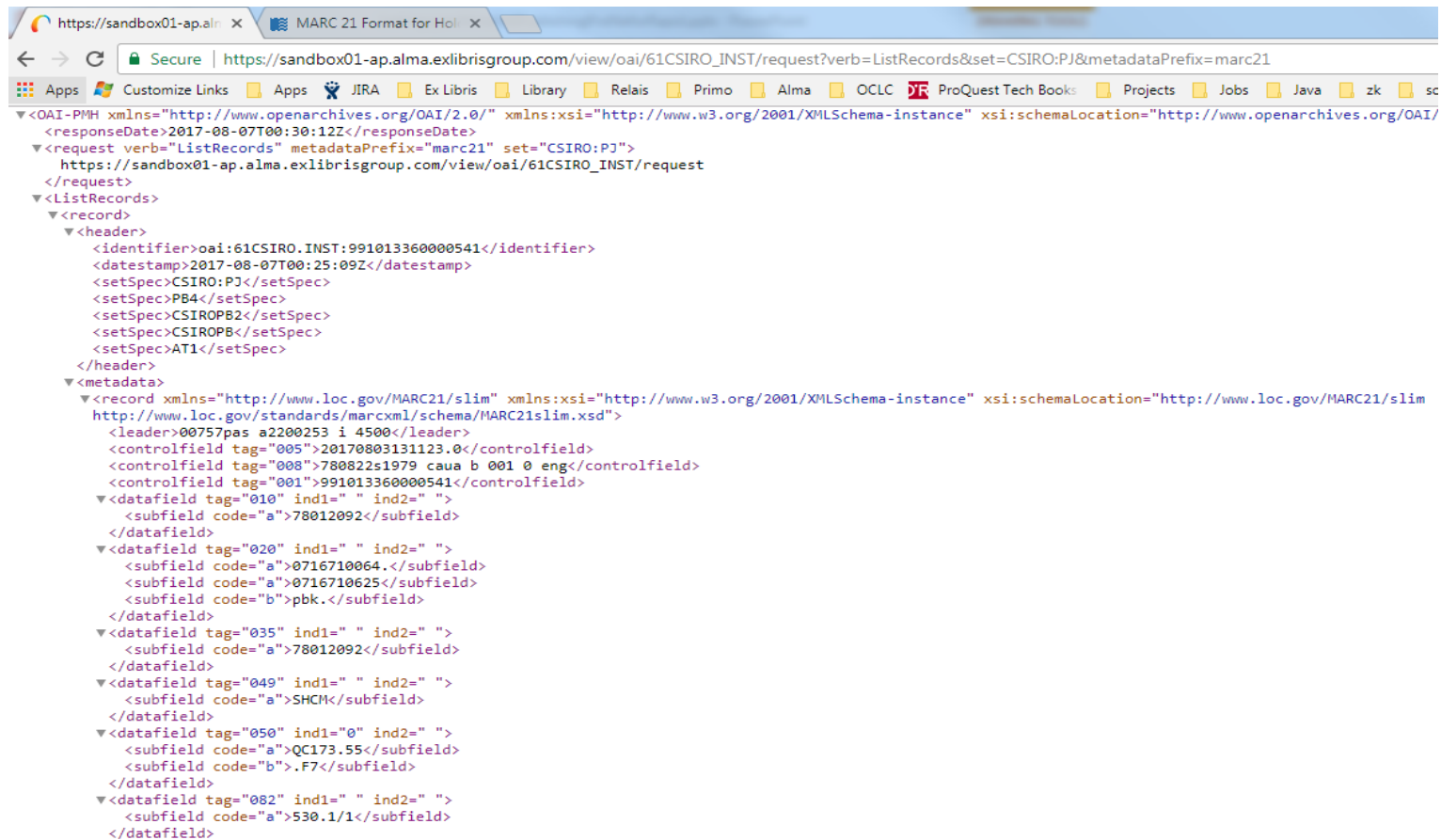
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Physical Journals OAI Publishing Profile

Results from using the ListIdentifiers verb:

```xml
<OAI-PMH xmlns="http://www.openarchives.org/OAI/2.0/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.opena
  <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>
      <datestamp>2017-08-07T00:25:09Z</datestamp>
      <setSpec>CSIRO:PJ</setSpec>
      <setSpec>PB4</setSpec>
      <setSpec>CSIROPB2</setSpec>
      <setSpec>CSIROPB</setSpec>
      <setSpec>AT1</setSpec>
    </header>
    <header>
      <identifier>oai:61CSIRO.INST:991443430000541</identifier>
      <datestamp>2017-08-07T00:25:09Z</datestamp>
      <setSpec>CSIRO:PJ</setSpec>
      <setSpec>PB4</setSpec>
      <setSpec>CSIROPB2</setSpec>
      <setSpec>CSIROPB</setSpec>
      <setSpec>AT1</setSpec>
    </header>
    <header>
      <identifier>oai:61CSIRO.INST:992018960000521</identifier>
      <datestamp>2017-08-07T00:25:09Z</datestamp>
      <setSpec>CSIRO:PJ</setSpec>
      <setSpec>CSIROEB</setSpec>
      <setSpec>AT1</setSpec>
    </header>
  </ListIdentifiers>
</OAI-PMH>
```

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Physical Journals OAI Publishing Profile

Result from using the ListRecords verb:

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 ☐

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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 *	984	Activation Status	e
Portfolio PID		Link Resolver Base URL *	http://primo-direct-apac.hosted.exlibrisgroup
Access URL subfield	c	Library subfield	
Collection Name subfield	a	Public Note subfield	
Interface Name subfield		CZ Collection Identifier subfield	
Coverage Statement subfield	d		

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Electronic Journals OAI Publishing Profile

Example of Electronic Enrichment:

Repeatable field *	984	Activation Status	e	
Portfolio PID		Link Resolver Base URL *	http://primo-direct-apac.hosted.exlibrisgroup	
Access URL subfield	c	Library subfield		
Collection Name subfield	a	Public Note subfield		
Interface Name subfield		CZ Collection Identifier subfield		
Coverage Statement subfield	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/CSIR(
  </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

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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.

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
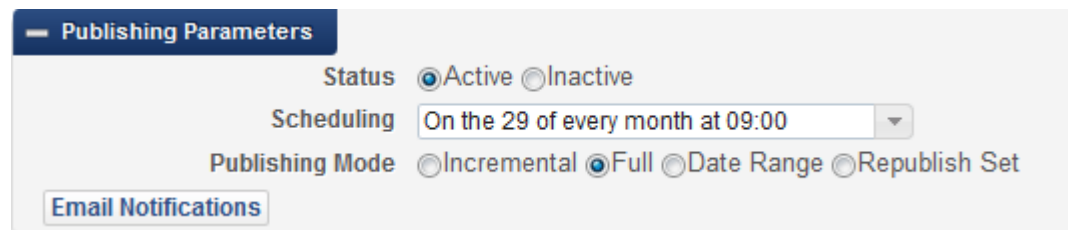
Information for Rapid

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.

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

- 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

- 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

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Thank you

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