

Setting up an Alma OAI Publishing Profile for Rapid

Antony Tomasovic | Library Systems 21 September 2017

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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 Name * sandbox							
Repository Base URL	nttps://sandbox01-ap.alma.exlibrisgroup.com/view/oai/61CSIRO_INST/r							
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	* 100]						
request								
	Up to 900 Identifiers	1						
Max bulk size for ListRecords request	100							
	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



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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	Туре	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	Physical titles			
Add conditions				
Title				
🛫 Find	Material Type	Equals	-	Journal
🚿 And 🖵] Has inventory	Equals	-	Yes
🚿 And 👻] Tag Suppressed (Title)	Equals	-	No
🚿 And 🖵] Keywords	Contains Keywords	•	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 From Copernicus to Einstein / by Hans Reichenbach, translated by Ralph B. Winn. 2 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 Gravitational curvature : an introduction to Einstein's theory / Theodore Frankel. 3 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	lectronic titles							
Add conditions								
Title								
Sind Find	Material Type	Equals	-	Journal				
🚿 And 💌	Has inventory	Equals	-	Yes				
🚿 And 💌	Tag Suppressed (Title)	Equals	-	No				
🚿 And 🖵	Keywords	Contains Keywords	-	Einstein				
Electronic Port	folio							
Liectionic Port								
Sind Find	Availability (Electronic Portfolio)	Equals	-	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 								
3 State Linstein 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								
4 A The Einste Identifier: Type: Journal Availability: El Portfolio List	in journal of biology and medi 1559-5501 Imprint: Bronx, N Language: English ectronic version at Free E-Journ View It Order Documen	c <u>ine</u> 7, Albert Einstein College nals (Free E- Journals): <u>t Delivery</u> <u>Publishing i</u>	e of M Full T nform	ledicine, ^{Fext} <u>nation Linked Data Reminders More info</u>				

Step 3: Create an OAI Publishing Profile for the Physical Journals Set



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

Click on Add Profile > General Profile



Profile Details	
Profile Name *	OAI Physical Journal Einstein
Profile Description	
- Publishing Parameters	
Status	
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	* CSIR0:PJ
Set Name 1	CSIRO Physical Journal
Metadata Prefix	*marc21
Z39.50	



Bibliographic Normalization					
Correct the data normalization Linked Data enricl	using rules iment			×	
Physical Items Enrichment					
Add Holdings inform	nation 🔽				
Ouick Add					
Guide Aud					
Holding Tag	Holding Subfield	Bib Tag	Bib Subfield		
Add					
♦ Holding Tag		🗢 Holdi	ng Subfield	Bib Tag	Bib Subfield
1 852		b		984	а
2 852		a		984	b
3 852		h		984	С
4 866		а		984	d
- Additional Holdings Fie	ds				
, laandenar Horanigo Fre	Create date field		Subfield		
	Update date field		Subfield		
Exclude sunnressed re	cords				
Lithing outproduct					

CSIRC



Example of Holdings Mapping:

✦Holding Tag	♦ Holding Subfield	Bib Tag	Bib Subfield
852	b	984	а
852	а	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)

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



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	Act	ions
~	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	History	ons

The URL of the stream will look something like: **REPOSITORY_BASE_URL**?verb=ListRecords&set=**SET_SPEC**&metadataPrefix=marc21 e.g. https://sandbox01ap.alma.exlibrisgroup.com/view/oai/CSIRO_INST/request?verb=ListRecords&set=CSIRO:PJ&met adataPrefix=marc21



Results from using the ListIdentifiers verb:

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8	Apps 🥻	•	Customize Links 🛛 📙	Apps 🏅	JIRA	📙 Ex Libris	📙 Library	r 📙 Relais	📙 Primo	📙 Alma		DIR Pr	roQuest Tech Books	Projects	📙 Jobs 📃
Т	his XML	, fil	e does not appear	to have a	my style	e informatio	on associat	ed with it. '	The docum	ent tree is	shown be	elow.			

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 v<reguest verb="ListIdentifiers" metadataPrefix="marc21" set="CSIR0:PJ">
    https://sandbox01-ap.alma.exlibrisgroup.com/view/oai/61CSIRO INST/request
   </reguest>
 ▼<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>
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      <setSpec>PB4</setSpec>
      <setSpec>CSIROPB2</setSpec>
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      <datestamp>2017-08-07T00:25:09Z</datestamp>
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 </OAI-PMH>
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Result from using the ListRecords verb:

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Step 4: Create an OAI Publishing Profile for the Electronic Journals Set



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

Click on Add Profile > General Profile



Profile Details	
Profile Name *	OAI Physical Journal Einstein
Profile Description	
- Publishing Parameters	
Status	
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	v
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	



Bibliographic Normalization			
Correct the data using			•
normalization rules	_		
Linked Data enrichment			
Physical Items Enrichment			
Add Holdings information			
No			
No records were found.			
Physical Items Enrichment			
Add Items Information			
Electronic Inventory Enrichment			
Add Electronic Portfolio			
Information			
Repea	atable field * 984		
Po	ortfolio PID	Activation Status	е
Access UR	RL subfield c	Link Resolver Base URL *	http://primo-direct-apac.hosted.exlibrisgroup
Collection Nam	ne subfield a	Library subfield	
Interface Nam	ne subfield	Public Note subfield	
Coverage Statemer	nt subfield d	CZ Collection Identifier subfield	



Example of Electronic Enrichment:

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

Portfolio

OAI Feed

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

```
\\ <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 from 2001 volume: 1 issue: 1.</subfield\\
    <subfield code="e">Available</subfield\\
    <subfield code="e">Subfield\\
    <subfield code="e">Subfield\\
    <subfield code="e">Subfield</subfield\\
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    <subfield code="e"</p>
```

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



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	A	OAI Electronic Journal Einstein		07/08/2017	Act	ions
12	4	OAI Physical Book	-	28/09/2016	Edit	ons
13	4	OAI Physical Book 2	-	27/09/2016	Delete	ons
14	4	OAI Physical Book 3 - Date Range	•	28/09/2016	History	ons

The URL of the stream will look something like: https://ALMA_BASE_URL/view/oai/ALMA_INST_ID/request?verb=ListRecords&set=SET_SPEC&m etadataPrefix=marc21 e.g. https://sandbox01ap.alma.exlibrisgroup.com/view/oai/CSIRO_INST/request?verb=ListRecords&set=CSIRO:EJ&met adataPrefix=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 Olactive		
Scheduling	On the 29 of every month at 09:00		
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://sandbox01ap.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://sandbox01ap.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://sandbox01ap.alma.exlibrisgroup.com/view/oai/61CSIRO_INST/request?verb=ListRecords&set=CS IRO:EJ&metadataPrefix=marc21

Thank you

CSIRO IMT www.csiro.au

