

DataCite Transfers



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9 Feb 2022

DataCite Consortium Leads Open Hours

What are we covering?

- Prefix transfers between Registration Agencies
- Aliasing
- Prefix transfers between repositories
- DOI transfers
- Repository transfers

Consortium Lead Responsibilities

1. Coordinate prefix transfers between Registration Agencies
(external - more complex)
2. Manage transfers between the repositories and
organizations within the Consortium (internal - easier)

Transfers **Between different DOI** **Registration Agencies (RAs)**

Prefix Transfers between Registration Agencies (RAs)

- DOI names are provided by DataCite and other DOI registration agencies. This is coordinated by the International DOI Foundation (IDF).
- There are 10 DOI registration agencies, most of them assign DOI names to scholarly content. Crossref is the largest DOI registration agency.
- CNRI manage the handle system and provide technical and operational support for the DOI system as a contractor. They assign a pool of prefixes to DataCite (on request) which we import into Fabrica and distribute to our members.

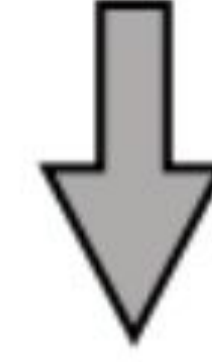
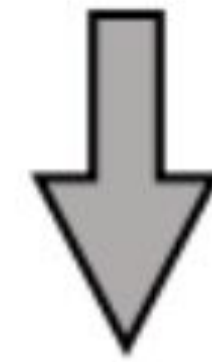
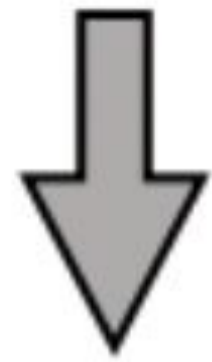


DOI Structure

Proxy

Prefix

Suffix



<https://doi.org/10.5438/n138-z3mk>

Prefix Transfers between Registration Agencies (RAs)

- Transfers are possible between all RAs. Most transfers are between Crossref and DataCite, and sometimes mEDRA.
- A prefix can only be assigned to one RA at any one time
- Only the prefix is transferred, not the DOIs and metadata which must be re-registered with the new RA
- Generalist repositories should not be used by members to register DOIs for content as they will not be able to move the prefix to their own accounts later



Transfer a prefix over to DataCite from another RA



This is coordinated by DataCite.

If an organization in your consortium requests a prefix transfer from Crossref to DataCite, start by contacting DataCite to request the transfer. You will be asked to fill in this template:

Prefix:

Number of DOIs:

From (RA agency and specific member):

To: DataCite

DataCite Member:

DataCite Repository:

Transfer a prefix over to DataCite from another RA



Once that information is provided the transfer can be started. These are the steps to complete the transfer:

1. DataCite contact the old registration agency to ask for permission to transfer the prefix and make sure the prefix is only used by that member
2. DataCite confirm the transfer request to CNRI
3. CNRI change admin and home the prefix to DataCite (only change the admin at this stage)
4. DataCite import the prefix into Fabrica and assign it to DataCite Repository
5. Repository or DataCite Member (re-) Register all DOIs in DataCite (API/UI) including metadata
6. CNRI switch **prefix resolution to DataCite**
7. Old RA performs system updates and cleanup (optional)

All the metadata needs to be re-registered in the DataCite MDS! If the number of DOIs to transfer is large simplify the process or calculate extra time.

Transfer a prefix from DataCite to another RA



This is coordinated by the new RA, to which the prefix will be transferred.

If an organization in your consortium wants to transfer a prefix from DataCite to Crossref, start by contacting Crossref to request the transfer:

1. Crossref contact DataCite to request approval
2. DataCite contact the member/consortium to request approval
3. If approved the DataCite repository account is deactivated and transfer can begin
4. Crossref coordinate the transfer of the prefix with CNRI
5. Once prefix transferred **all existing DOIs must be re-registered in Crossref** with Crossref metadata
6. Crossref send confirmation once the DOIs have been re-registered
7. Prefix removed from DataCite and DOIs set to registered state

Aliasing

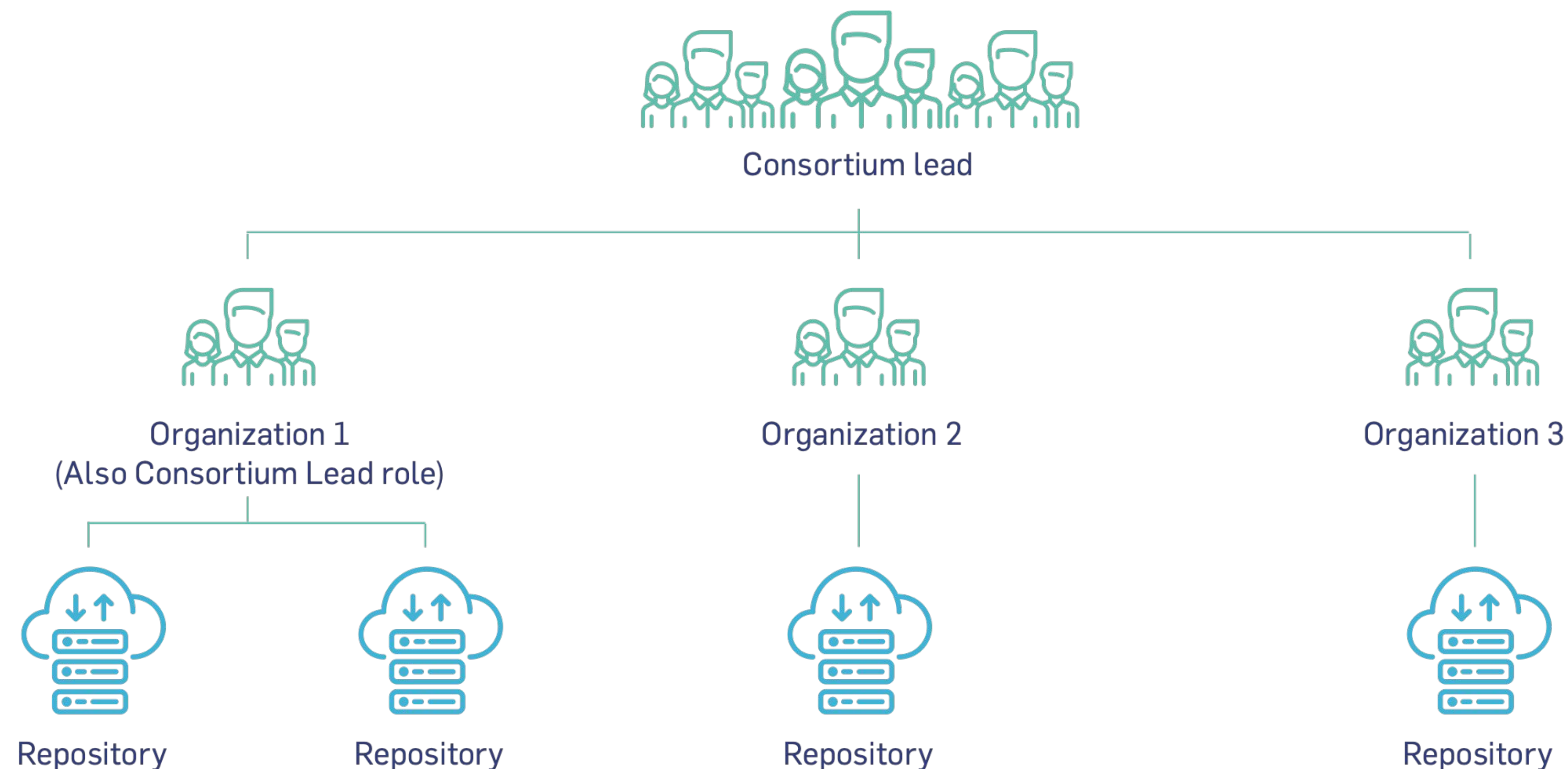
- Aliasing is a redirect from one DOI to another, so clicking on DOI A (RA 1) resolves to DOI B (RA 2) where the metadata is held.
- It is set up by CNRI
- It creates problems for citation and is always the last resort
- Aliasing is an option if an organization wants to manage their DOIs and metadata with a different RA but the prefix cannot be transferred because, for example, it belongs to a generalist repository.
- Permission needed from the both RAs and the entity holding the “old” metadata and DOIs.

Transfers

Between DataCite

Repository accounts

DataCite Consortium Permissions



1. Updates Consortium profile and contact information

2. Consortium lead creates and manages consortium organization account and updates contact info

3. Creates repository accounts, transfers DOIs and repositories (in future will transfer prefixes)

Prefix transfers between repositories



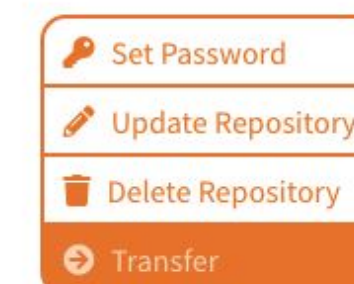
- Ideally new repository accounts should be created for different types of content that will stay together e.g. Institutional repository and university publication press
- Each DataCite Repository account should have 1 unique prefix (there are exceptions where more than one prefix is needed)
- This model means the content can easily be transferred to a different member, Consortium organization or RA if needed
- If a prefix needs to move from one repository to another, at the moment send an email to support@datacite.org. In future the new workflow will allow more flexibility for consortium leads to manage this within their consortia

Repository transfers

- Consortium leads have permission to transfer a Repository account from one Consortium Organization to another
- This means the prefix and DOIs move together, the Repository ID remains the same
- No downtime needed

Mary test repo

Info **Settings** Prefixes DOIs



Record created
May 27, 2019, 07:54:12 UTC

Record last modified
February 8, 2022, 15:56:35 UTC

Repository ID 
DATACITE.MARY

Description
*

System Email
support@datacite.org

Domain 
*

DOI transfers

Consortium leads have permission to transfer DOIs:

1. Transfer individual DOIs to a new repository
2. Transfer all the DOIs in one repository to another

InfoSettingsPrefixesDOIs

Create (Form)
Create (File Upload)
Transfer

State

<input type="checkbox"/> Findable	111
<input type="checkbox"/> Draft	98
<input type="checkbox"/> Registered	6

Resource Type

<input type="checkbox"/> Dataset	58
<input type="checkbox"/> Text	40
<input type="checkbox"/> Software	33
<input type="checkbox"/> Audiovisual	10

Type to search...

Reset All

215 DOIs

Full DataCite XML Example

Software

Elizabeth Miller

XML published 2014 via DataCite
XML example of all DataCite Metadata Schema v4.4 properties.
Created October 27, 2021, 13:10:23 UTC. Findable
<https://handle.stage.datacite.org/10.17596/5ez3-fk52>

DataCite Metadata Schema Documentation for the Publication and Citation of Research Data

Text

v4.0

So

10.17596/5ez3-fk52

Update DOI (Form)
Update DOI (File Upload)
Transfer DOI

Findable

Metadata Export
DataCite XML
DataCite JSON
Schema.org JSON-LD
BibTeX

DOI created
October 27, 2021, 13:10:23 UTC

DOI registered
October 27, 2021, 13:10:23 UTC

DOI last updated
February 8, 2022, 16:03:43 UTC

URL

<https://example.org>

Metadata

Summary View

Full DataCite XML Example

Software

Elizabeth Miller

XML published 2014 via DataCite

XML example of all DataCite Metadata Schema v4.4 properties.

<https://handle.stage.datacite.org/10.17596/5ez3-fk52>

Citation

APA

Miller, E. (2014). *Full DataCite XML Example*. DataCite. <https://doi.org/10.17596/5EZ3-FK52>

Link Checker

The URL <https://example.org> registered for this DOI was last checked a month ago on January 5, 2022.

☒ The URL resolves properly.

DOI transfers

- A prefix is always associated with 1 repository only. However, DOIs with the same prefix can be separated into different repositories in DataCite
- Subsets of DOIs can be transferred but requires the DataCite technical team

Example 1:

A dataset will be migrated from one repository to another. If both of the DataCite repository accounts belong to the same DataCite Consortium, the Consortium lead can transfer the DOI assigned to the dataset to the new repository.

Example 2:

DOIs have been registered with 3 different prefixes in the same repository account. The 39 DOIs with prefix 10.14454 need to be separated into new repository accounts. This type of transfer can be done on request.

Prefix	
<input type="checkbox"/> 10.14454	39
<input type="checkbox"/> 10.5438	35
<input type="checkbox"/> 10.25830	1

Resources

Guide for [Repository transfers](#)

Guide for [DOI transfers](#)

Short tutorial demonstrating how to transfer [Repositories and DOIs in Fabrica](#)



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