# How to Make Changes to the Datastreams of an Object

If you find that a datastream is incorrect, missing, unnecessary, or could simply use improvement, it is possible to manually add and remove the datastreams of an object through the Islandora interface. This tutorial will walk you through the steps of downloading datastreams, replacing them, or adding new ones.
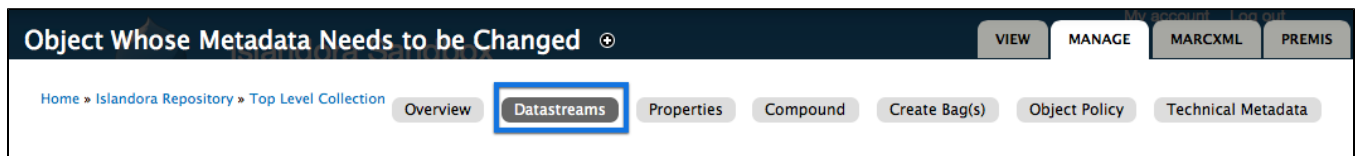
Adding new datastreams

In this example, we will be adding a new image-type datastream to be stored with the rest of the datastreams of a basic image - one not supported by the Basic Image Solution Pack, and therefore not created on ingest.

1. Choose the collection or object you would like to add a datastream to
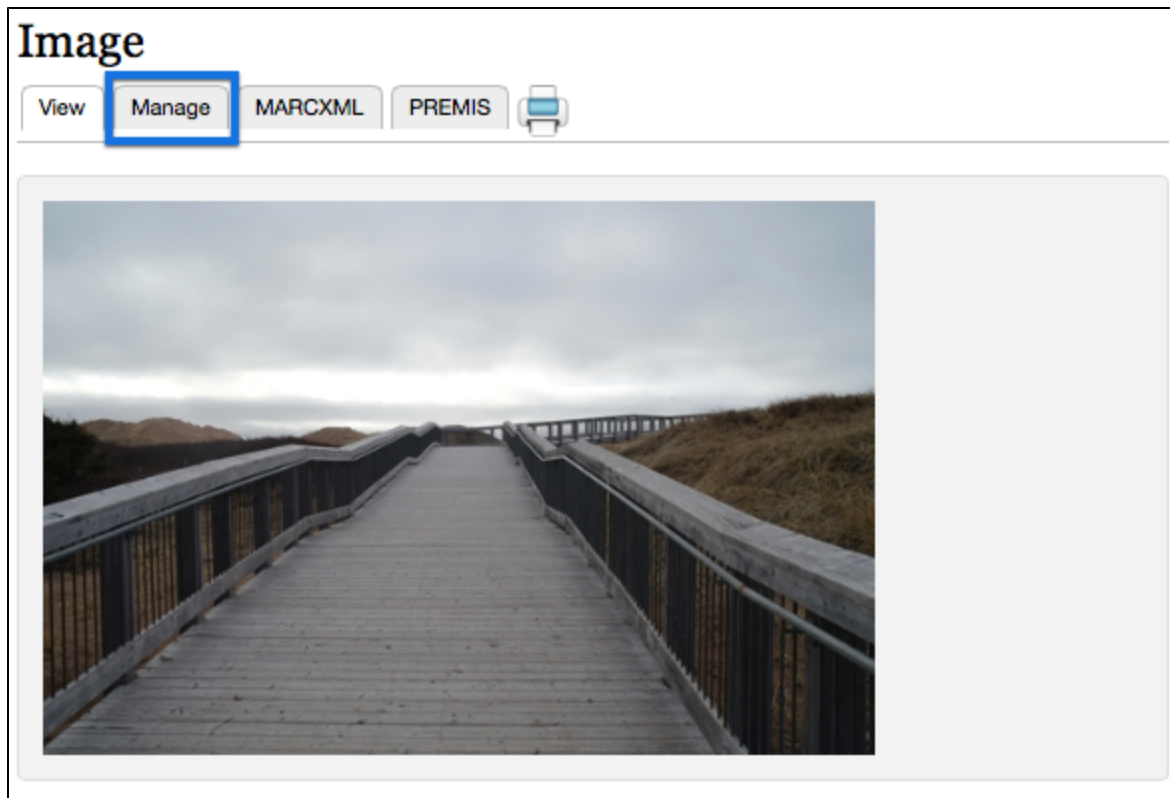
In this case, we've selected an image from the Basic Image Collection. Click the 'Manage' tab to continue.

2. Click the 'Datastreams' button

This will bring you to the datastream management page.

3. Click the 'Add a datastream' button

ID	LABEL	TYPE	MIME TYPE	SIZE	VERSIONS	OPERATIONS		
RELS-EXT	Fedora Object to Object Relationship Metadata.	Inline XML	application/rdf+xml	543 B	1	download		
MODS	MODS Record	Managed	text/xml	1.42 KB	4	download	edit	delete
DC	DC Record	Inline XML	text/xml	566 B	4	download		
OBJ	SAM_2246.JPG	Managed	image/jpeg	1.49 MB	1	download		delete
TECHMD	TECHMD	Managed	text/xml	9.76 KB	1	download	delete	regenerate
TN	TN	Managed	image/jpeg	23.29 KB	1	download	delete	regenerate
MEDIUM_SIZE	MEDIUM_SIZE	Managed	image/jpeg	106.81 KB	1	download	delete	regenerate

This will bring you to the datastream adding form.

### 4. Fill out the datastream adding form

- **Add a datastream** - Here you will give your datastream an identification (DSID). There are a few preconfigured datastreams that are recognized by different solution packs, but your Fedora repository will accept the ingesting of datastreams with any DSID - if they aren't part of the preconfigured list, they will simply exist as an appended file, without additional support by Islandora. You can check the standard list of DSIDs for a particular solution pack in the Solution Packs section of Chapter 5 of this manual. Once a DSID has been set for a datastream, it cannot be changed unless you re-ingest the datastream.
- **Datastream Label** - Though necessary, this label can realistically be anything you choose. Islandora doesn't recognize one label over another; this is simply a human-readable name to be appended to the datastream for quick identification, but which can be changed later.
- **Upload Document** - This is the standard form for uploading a file. It can vary between browsers. This is where you will choose the file to be associated with the datastream you are creating.
- **Add Datastream** - Once everything is filled out, click this button to start the ingest process.

5. Wait for the ingest process to complete
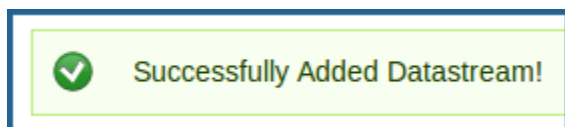
Once the process is successfully completed, you will see the above message. You can check if your datastream has been added properly by navigating to the datastreams management page of your object and looking for it in the list:

ID	LABEL
RELS-EXT	Fedora Object to Object Relationship Metadata.
MODS	MODS Record
DC	DC Record
OBJ	293705_10151928550050790_120983044_n.jpg
TN	TN
MEDIUM_SIZE	MEDIUM_SIZE
BMP	Windows Bitmap Image

Removing and replacing a datastream

In this example, we will be replacing the 'thumbnail' datastream of a collection, getting rid of the 'folder' icon and uploading a different image in its stead.

1. Choose the object whose datastream you would like to replace

Video Collection

In this example, we will be working inside the standard Video Solution Pack collection.
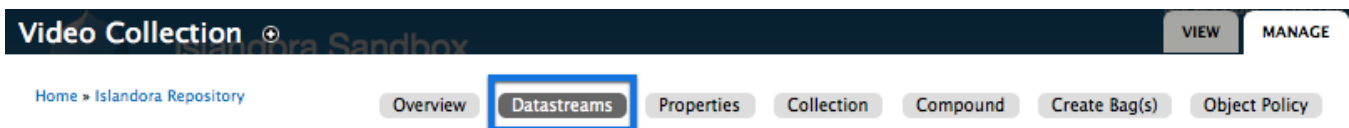
2. Click the collection's 'Manage' tab

Video Collection

View   Manage

This will bring you to the collection's management page.

3. Click the 'Datastreams' button

Video Collection ⊙

Home » Islandora Repository   Overview   Datastreams   Properties   Collection   Compound   Create Bag(s)   Object Policy

VIEW   MANAGE

This will bring you to the datastreams management page.

4. Delete the original datastream

ID	LABEL	TYPE	MIME TYPE	SIZE	OPERATIONS	
Video Collection - islandora:video_collection						
RELS-EXT	Fedora Object to Object Relationship Metadata.	Inline XML	application/rdf+xml	561 B	download	delete
COLLECTION_POLICY	Collection policy	Inline XML	text/xml	525 B	download	
TN	Thumbnail	Managed	image/png	5.02 KB	download	delete
DC	Dublin Core Record for this object	Inline XML	text/xml	395 B	download	

You can do this by clicking the 'delete' button next to the datastream you wish to delete. In this case, we will be removing the 'TN' datastream, which corresponds to the collection's thumbnail image.

Are you sure you want to delete the *TN* datastream?

This action cannot be undone.

Delete   Cancel

You will be asked to confirm your deletion; click the 'Delete' button to continue.

5. Fill out the datastream adding form with the same DSID as the one you just deleted

Add a datastream *

TN

Datastream Label *

Thumbnail Image

A Human readable label

Upload Document *

1364237243_camera.png   Remove

Select a file to upload.
Files must be less than **2048 MB.**

Add Datastream

You can get to this point by following the same steps as listed in the 'Adding new datastreams' section above.

In this case, we will be adding a new thumbnail icon using a DSID of 'TN', with an accompanying label that makes sense.

Thumbnail images are, by default, 128x128 pixel PNG images. Though physically larger images are acceptable, bear in mind that mismatched thumbnail sizes may cause objects to be spaced wider apart when viewing them in a list.

6. View your new datastream

We can now see that our new thumbnail datastream is associated with the object we attached it to. By simply maintaining the exact same DSID upon ingest, we can replace any datastream for any object using this same method.