

How to Batch Ingest Files

The batch ingest module allows you to add several files, metadata records, or a combination of both to a collection by packaging the items in a ZIP archive. For a detailed overview of the module, please see the [Batch Ingest](#) page in [Chapter 5 - Islandora Modules](#).

Adding Files Without Metadata

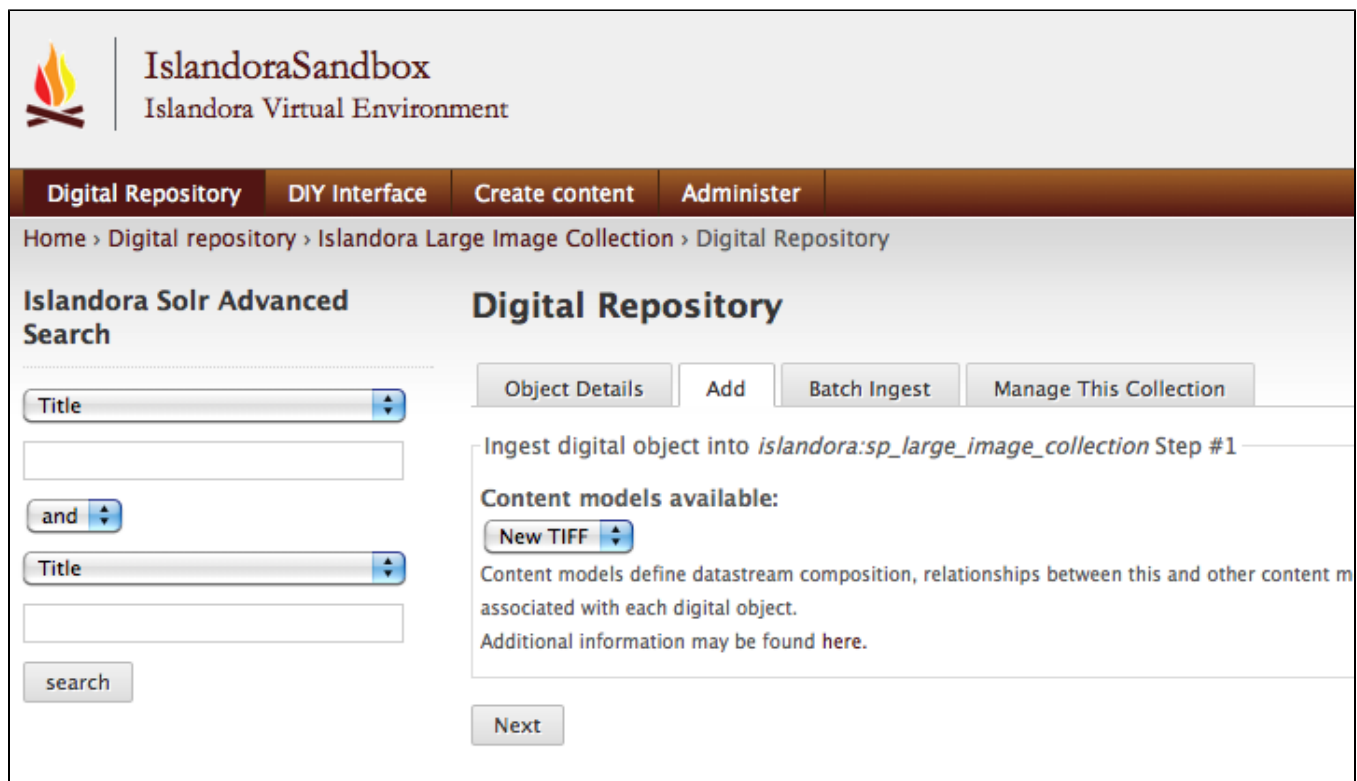
You can add files without metadata to a ZIP archive and ingest them via batch ingest - basic MODS and DC metadata records will be created using the filenames as titles. The files in the ZIP archive must be associated with an existing content model on ingest - all solution pack content models are supported (except the book solution pack). For this tutorial we'll batch ingest some TIFF files using the Large Image Solution Pack.

1. Compress the files as a ZIP archive

Compress the TIFF files and name your ZIP file - in this case, *tiff_test.zip*.

2. Navigate to the Target Collection

Navigate to a collection that has been associated with the large image content model. In this case, we'll use the default Islandora Large Image Collection.



The screenshot shows the IslandoraSolr Advanced Search interface. At the top, there's a header with the IslandoraSandbox logo and the text "Islandora Virtual Environment". Below this is a navigation bar with tabs: "Digital Repository", "DIY Interface", "Create content", and "Administer". The "Digital Repository" tab is selected. The main content area has a breadcrumb trail: "Home > Digital repository > Islandora Large Image Collection > Digital Repository". On the left, there's a search section titled "Islandora Solr Advanced Search" with two input fields for "Title" and a "search" button. On the right, there's a "Digital Repository" section with tabs: "Object Details", "Add", "Batch Ingest", and "Manage This Collection". The "Batch Ingest" tab is selected. Below the tabs, there's a heading "Ingest digital object into *islandora:sp_large_image_collection* Step #1". Underneath, it says "Content models available:" followed by a dropdown menu showing "New TIFF". Below this, there's a paragraph: "Content models define datastream composition, relationships between this and other content m associated with each digital object. Additional information may be found [here](#)." At the bottom of the section is a "Next" button.

3. Batch Ingest the ZIP File

Make sure the large image content model is selected, and click the 'Batch Ingest' tab and browse for your ZIP file. Click 'Create Objects' to proceed.

The screenshot shows the Islandora Sandbox interface. At the top, there is a header with the Islandora logo and the text "IslandoraSandbox" and "Islandora Virtual Environment". Below the header, there is a navigation bar with tabs: "Digital Repository", "DIY Ingest", "Administer", and "Digital Repository". The "Digital Repository" tab is selected.


On the left side, there is a sidebar with the text "Islandora Solr Advanced Search" and a search form with a "Title" field and a "search" button. There are also "and" and "or" buttons for combining search terms.

In the main content area, there are four tabs: "Object Details", "Add", "Batch Ingest", and "Manage This Collection". The "Batch Ingest" tab is selected. A red box highlights the "Batch Ingest" tab with the text "Click the Batch Ingest tab".

Below the tabs, the text "Batch ingest into islandora:sp_large_image_collection" is displayed. Below this, there is a section titled "Choose content model to be associated with objects ingested: *". A dropdown menu is set to "New TIFF". Below this, there is a section titled "Upload zipped folder:". A "Choose File" button is highlighted with a red box and the text "Choose your ZIP file". The file "tiff_test.zip" is listed below the button. Below the file list, there is a "Create Objects" button.

Additional text in the "Upload zipped folder:" section includes: "The zipped folder should contain all files necessary to build objects." and "Related files must have the same filename, but with differing extensions to indicate mimetypes. ie. *myFile.xml* and *myFile.jpg*".

4. View Your New Objects



IslandoraSandbox
Islandora Virtual Environment

Digital Repository
DIY Interface
Create content
Administer
Se


Home > Digital repository > Islandora Large Image Collection > Digital Repository

Islandora Solr Advanced Search


and

Add
View
Object Details
Batch Ingest
Manage This Collection

1-2 of 2



tiff test1



tiff test2

1-2 of 2

Adding Metadata Without Files

The batch ingest module also allows you to add metadata records without accompanying binary files. You can add either DC or MODS metadata XML files - DC metadata will be saved and crosswalked to MODS, and MODS metadata will be saved and crosswalked to DC. A separate object will be created for each XML file included in the ZIP archive.

1. Prepare Your Metadata XML Files

Your metadata records must be in either MODS or DC format and saved as XML files. The batch ingest module will determine whether the files are MODS or DC programatically on ingest, so you don't need to manually specify which metadata schema you're using. One object will be created for each valid XML file in the ZIP archive; the filenames are not important because the title and other relevant information will be drawn from the metadata itself.

The following are examples of valid DC and MODS metadata records for audio files:

MODS




```

<mods xmlns="http://www.loc.gov/mods/v3" xmlns:mods="http://www.loc.gov/mods/v3"
  xmlns:xlink="http://www.w3.org/1999/xlink">
  <titleInfo>
    <title>Test Audio</title>
    <subTitle/>
  </titleInfo>
  <name type="personal">
    <namePart>Test Author</namePart>
    <role>
      <roleTerm authority="marcrelator" type="text"/>
    </role>
  </name>
  <typeOfResource>Sound Recording</typeOfResource>
  <tableOfContents/>
  <genre>anthems</genre>
  <originInfo>
    <dateIssued>2011-12-21</dateIssued>
    <publisher/>
    <place>
      <placeTerm authority="marccountry"/>
    </place>
    <place>
      <placeTerm type="text"/>
    </place>
  </originInfo>
  <language>
    <languageTerm authority="iso639-2b" type="code"/>
  </language>
  <abstract>A test audio file.</abstract>
  <identifier/>
  <physicalDescription>
    <form authority="marcform">sound recording</form>
    <extent/>
  </physicalDescription>
  <note/>
  <subject>
    <topic/>
    <geographic/>
    <temporal/>
    <hierarchicalGeographic>
      <continent>North America</continent>
      <country/>
      <province/>
      <region/>
      <county/>
      <city/>
      <citySection/>
    </hierarchicalGeographic>
    <cartographics>
      <coordinates/>
    </cartographics>
  </subject>
</mods>

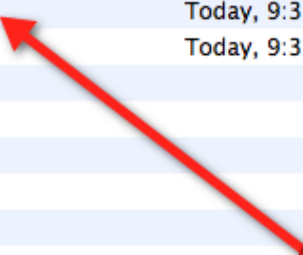
```

```
<oai_dc:dc xmlns:oai_dc="http://www.openarchives.org/OAI/2.0/oai_dc/"
  xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.openarchives.org/OAI/2.0/oai_dc/ http://www.openarchives.org/OAI/2.0/oai_dc.
xsd">
  <dc:title>Test Audio</dc:title>
  <dc:subject/>
  <dc:subject>----</dc:subject>
  <dc:description/>
  <dc:description>A test audio file.</dc:description>
  <dc:description/>
  <dc:publisher/>
  <dc:contributor>Test Author ()</dc:contributor>
  <dc:type>anthems</dc:type>
  <dc:format/>
  <dc:format>sound recording</dc:format>
  <dc:identifier>islandora:1240</dc:identifier>
  <dc:language/>
  <dc:coverage/>
  <dc:coverage>North America-----</dc:coverage>
  <dc:coverage/>
  <dc:coverage/>
</oai_dc:dc>
```

2. Add Your Metadata XML Files to a ZIP Archive

Name	Date Modified	Size	Kind
 another_test_MODS.xml	Today, 9:31 AM	4 KB	XML Document
 test_audio_MODS.xml	Today, 9:31 AM	4 KB	XML Document
 test_the_third_MODS.xml	Today, 9:31 AM	4 KB	XML Document

Select your metadata XML files and add them to a ZIP archive



3. Choose a Collection to Create Your Objects In

You can either navigate to an existing collection or create a new collection. You will need to associate your new objects with a content model, so make sure the relevant content model has been added to your collection.

The content model you choose at this stage will be important if you decide to add binary files (audio, images, PDFs, etc.) to the objects after ingest.

4. Batch Ingest the ZIP Archive

Click the Batch Ingest tab and make sure the relevant content model is selected. Browse for the ZIP archive and click 'Create Objects' to proceed.

Islandora Downloadable VM
Islandora Virtual Environment

Digital Repository DIY Interface Create content Administer

Home > Digital repository

Audio Collection

Add View Object Manage This Collection

Batch ingest into islandora:audio_collection

Choose content model to be associated with objects ingested: *

New Audio

Content models describe the behaviour of objects ingested.

Upload zipped folder:

Choose File

The zipped folder should contain all files and metadata XML files. Related files must have the same filename as the metadata XML file. ie. myFile.xml and myFile.jpg

Create Objects

A progress bar will indicate that objects are being created.

Islandora Downloadable VM
Islandora Virtual Environment

Digital Repository DIY Interface Create content

Home > Ingesting Objects

Ingesting Objects

Wait while the objects are created

Remaining 3 of 4. 25%

5. View Your Newly Created Objects

Your new objects will appear in the collection view. Click on an object and verify that the metadata has been successfully added.

Metadata

title	Test Audio	<div style="border: 2px solid red; padding: 10px;">View the object's metadata</div>
contributor	Test Author ()	
type	anthems	
description	A test audio file.	
identifier	:	
format	sound recording	
coverage	North America-----	
subject	----	

▼ Detailed List of Content

Belongs to these collections:

Detailed List of Content

- Dublin Core
- Fedora Object-to-Object
- MODS

Audio Collection

View	Download	2011-12-21 ▾	text/xml	
View	Download	2011-12-21 ▾	text/xml	
View	Download		text/xml	

Both DC and MODS Datastreams have been created

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4. Batch Ingest the ZIP Archive

Click the Batch Ingest tab and make sure the relevant content model is selected. Browse for the ZIP archive and click 'Create Objects' to proceed.

Islandora Downloadable VM

Islandora Virtual Environment

Digital Repository

DIY

Administer

Home > Digital repository > Islandora PDF Collection

Islandora PDF Collection

Add

View

Object

Manage This Collection

Batch ingest into islandora:sp_pdf_collection

Choose content model to be associated with objects ingested: *

Strict PDF Content Model

Content models describe the behaviours of objects in the repository.

Upload zipped folder:

Choose File

batch_test.zip

The zipped folder should contain all files needed to create objects. Related files must have the same filename, but different extensions. ie. myFile.xml and myFile.jpg

Create Objects

Make sure the correct content model is selected

Browse for your ZIP archive and click 'Create Objects'

A progress bar will indicate that objects are being created.

Islandora Downloadable VM

Islandora Virtual Environment

Digital Repository

DIY Interface

Create content

Home > Ingesting Objects

Ingesting Objects

Remaining 3 of 4.

25%

Wait while the objects are created

5. View Your Newly Created Objects

Islandora Downloadable VM

Islandora Virtual Environment

[Digital Repository](#) [DIY Interface](#) [Create content](#) [Administer](#)

Home > Digital repository > Islandora PDF Collection > Islandora PDF Collection

Islandora PDF Collection

[Add](#)[View](#)[Object Details](#)[Batch Ingest](#)

You new objects will
appear in the
collection view



Charlottetown Bus Schedule

Dropbox Quick Start



Dropbox Instructions

TREASURE ISLAND(ORA)

Building & Managing
Islandora Collections



Treasure Islandora