



# WORKING WITH JPEG 2000S

---

VITA 6.4

UPDATED JULY 2022

## Table Of Contents

<b>When To Use JP2 Files .....</b>	<b>2</b>
The JP2 Viewer.....	2
<b>Creating JP2 Files.....</b>	<b>3</b>
<b>Uploading JP2 Files .....</b>	<b>3</b>
Full Image Views .....	3
Reverse & Details Views.....	4
Multipage Objects .....	5
Batch Uploads.....	6
<b>Adding JP2 Credit.....</b>	<b>7</b>
Text Credit.....	7
Image And/Or Linked Credit .....	8

## WHEN TO USE JP2 FILES

- Pages (uploaded singly or in batches, i.e. for issues or multipage objects)
- Full view images
- Reverse images
- Details images
- Batch image uploads

## THE JP2 VIEWER

The IIF JP2 viewer offers pan/zoom and rotation options



## CREATING JP2 FILES

Most image file editing applications will allow you to save images as JPG2000. Keep in mind that larger image files will render better JPG2000 because they will allow for more detail when zooming.

## UPLOADING JP2 FILES

### FULL IMAGE VIEWS

Simply upload a JP2 file as you would a TIFF or a JPG.

With a new record:

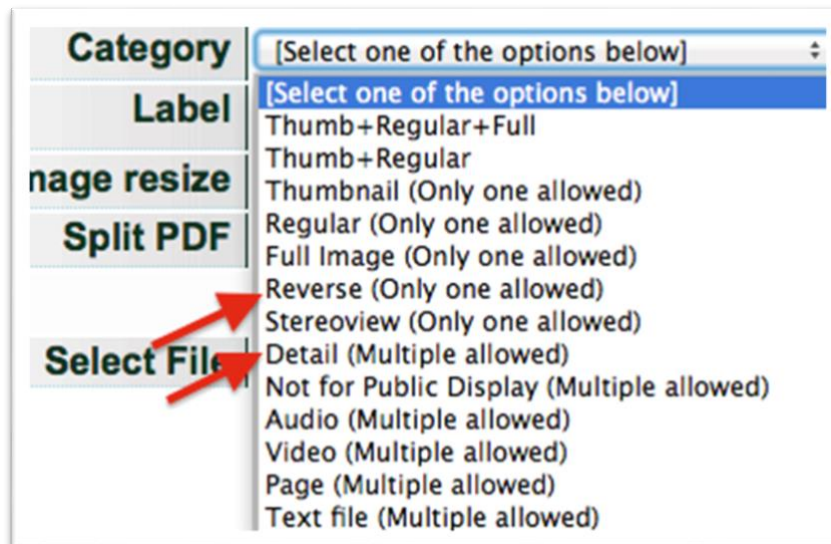
Add a record with a file > category Thumb+Regular+Full > choose your JP2 file

The screenshot shows a web form titled "Add Record". The form has several sections:

- Title:** A text input field containing "Postcard from Scotland".
- Templates:** A dropdown menu with the text "[Select one of the options below]".
- Media type:** A group of radio buttons with labels: Image (selected), Text, Collection, Video, Object, Audio, Publication, Newspaper, and Place.
- Category:** A dropdown menu with the text "Thumb+Regular+Full".
- Label:** An empty text input field.
- Image resize:** Radio buttons for Yes (selected) and No.
- Split PDF:** Radio buttons for Yes and No (selected).
- Select File:** A section containing:
  - Buttons: "+ Add file...", "Start upload", and "Cancel upload".
  - File name: "JC017b.jp2".
  - File size: "964.84 KB".
  - Buttons: "Start" and "Cancel".

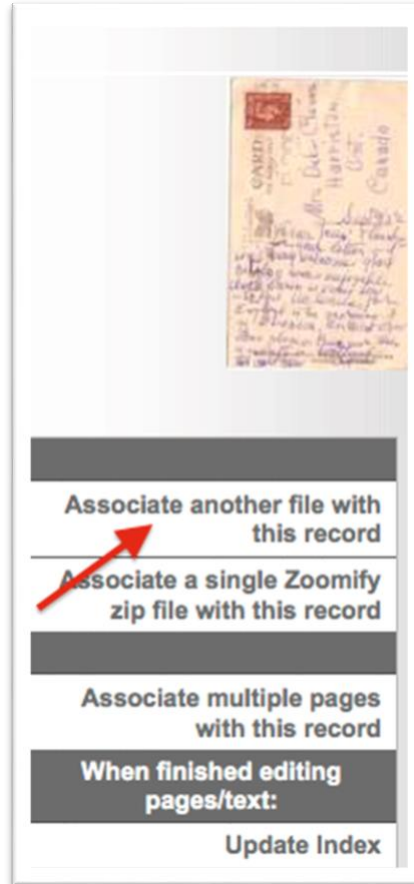
## REVERSE & DETAILS VIEWS

On the File/Tech data screen, choose Associate another file with this record > Category Reverse or Detail > choose your JP2

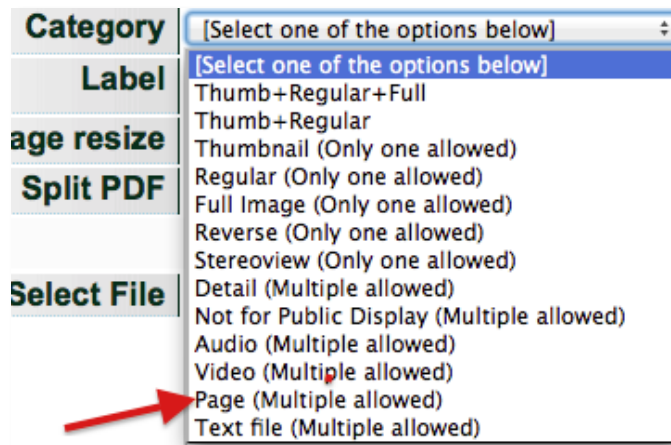


## MULTIPAGE OBJECTS

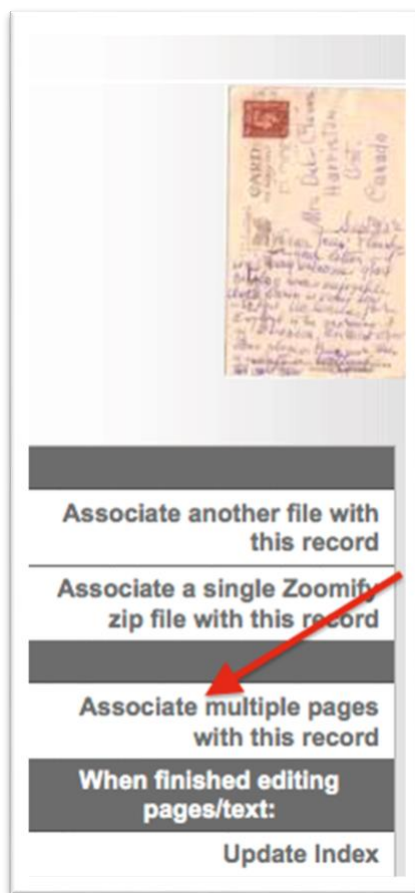
For items like books, scrapbooks, brochures, pamphlets, and newspaper issues, simply follow the same steps you would to add single or multiple pages.



Associate another file with this record> Category Page>choose your JP2



Or, Associate multiple pages with this record>choose multiple JP2 files and follow the on-screen instructions.



If the text on the page is typed (not handwritten) it will be automatically processed with OCR software and the full text will be made available for hit highlighted results.

**Note:** It takes approximately 1 minute per page to generate all the display images as well as OCR'ing the page content and applying to coordinates that will produce the hit highlighting on the page text when a search is performed. As well, it will take up to 20 minutes for the full text and hit highlighting to be active on your site depending on when the new material enters the indexing cycle.

## BATCH UPLOADS

During batch image uploads, simply select your JP2 image files and allow the tool to process them for thumb+reg or thumb+reg+full image displays. Only the Full will render with the pan-zoom viewer.

## ADDING JP2 (JPG 2000) CREDIT

The credit will only appear in the **full image JP2s**, not with full image JPEGs and not for pages where it might obscure text.

Go to Agency Management > Image options

main menu >> Update/Add Agencies >> OurDigitalWorld: image sizes and Options

**Agency Setup**

- Labels and addresses
- Personnel
- Image options
- Copyright statements / Creative Commons
- "About" page
- Export options
- Usage statistics

**Checklists**

- Geography
- Media types
- Item types
- Creator / Contributor roles
- Newspapers

**Image Sizes and Options**

**Permit downloads of zoomable images**

Yes  
 No

**Note:** For legacy Zoomify™ images, a "Yes" will present an alternate display link, which is a fundamental requirement for online accessibility. Choosing "No" means we cannot make your site compliant with various disability acts.

**Constrain zoomable sizes**

Allow the full range of alternate zoomable window sizes  
 Limit to only the two smaller sizes

**Image sizes**

**Full sized image options**

Do not process full size (just thumbnail and regular size)  
There will be no full size

Process full size and reduce to preferred full-size  
Unless a JPG 2000 (JP2) file, the full sized view will be converted, if necessary, to a JPEG and reduced, if necessary, to **some number** of pixels on its long side.

Convert to Jpeg (if required) but don't reduce in size  
The full sized view will be converted, if necessary, to a JPEG but kept at its original size.

**Image File Sizes** [Edit Settings](#)

Thumbnail	150
Regular	400
Full	1600
Reverse	800
Stereoview	1600
Detail	1600
Page	1000

**JPEG 2000 Image caption/credit**

You can use plain text or include html with or without a fully qualified links to an external url (<a> or to an <img>. The link will appear within the iframe unless followed by a special target "\_parent" value as in the following example: "Back to <a href="http://test.ourontario.ca/search" target = "\_parent">Search </a>"

## TEXT CREDIT

Use straight text to add a credit statement on the JP2 viewer panel.

**JPEG 2000 Image caption/credit**

Created by OurDigitalWorld

You can use plain text or include html with or without a fully qualified links to an external url (<a> or to an <img>. The link will appear within the iframe unless followed by a special target "\_parent" value as in the following example: "Back to <a href="http://test.ourontario.ca/search" target = "\_parent">Search </a>"



**SELECTING MEDIA TYPES IN VITA**

Choosing the right media type is an important first step when adding records. The media type you select tells VITA what template to use for your file and allows you to record all of the descriptive data your item needs.

**Common Media Types**

Text	Publication	Object	Image	Newspaper
Documents Letters Books	Parent record Newspapers Serials	3-D items Sculptures Handcrafted items	Photographs Paintings Illustrations	A clipping from a newspaper A single issue of a newspaper

**What media type should I choose?**

- A PDF image of a clipping from a newspaper → **Newspaper** (Correct), **Image** (Incorrect). Although this file format is an image, it is still an image OF a newspaper.
- A video giving a 360 view of a sculpture → **Object** (Correct), **Video** (Incorrect). The format is a video, but the subject is the sculpture.
- A picture of a handwritten letter → **Text** (Correct), **Image** (Incorrect). A letter is a text object, even though the file is an image.
- Clipping from a local newspaper → **Newspaper** (Correct), **Publication** (Incorrect). Clippings are newspaper items, they can be assigned to an existing Publication record.

For more VITA how-tos visit [VITA Toolkit Help at help.vitatoolkit.ca](http://VITA Toolkit Help at help.vitatoolkit.ca)

Created by [OurDigitalWorld](http://OurDigitalWorld)

**IMAGE AND/OR LINKED CREDIT**

Use HTML to create a linked credit statement or image – you can add an image (make sure image is sized appropriately using proportionate size restrictions e.g. width="100px") and even make that image or text link to a web page. This example has the site logo linked back to the organization site. Note the addition of styling, otherwise the text will be difficult to see on the black background.



JPEG 2000 image  
caption/"credit"

```
<a href="http://ourdigitalworld.org target="_blank"></a>
```

You can use plain text or include html with or without a fully qualified links to an external url (<a>) or to ar <img>. The link will appear within the iframe unless followed by a special target "\_parent" value as in the following example: "Back to <a href="http://test.ourontario.ca/search" target = "\_parent">Search </a>"



**Newspaper**

Although this file format is an image, it is still an image OF a newspaper

**Image**

**Object**

The format is a video, but the subject is the sculpture

**Video**

**Text**

A letter is a text object, even though the file is an image

**Image**



Created by OurDigitalWorld