



CDN Middleware

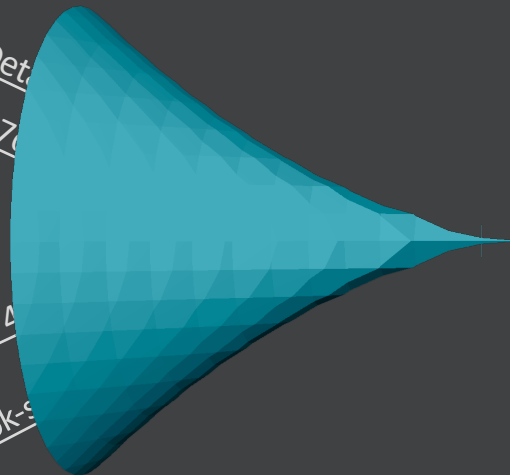
Managing digital specimens in a distributed world.

Office of Museum Technology

<https://floridamuseum.ufl.edu/omt>

2020

The Big Picture



Each Digital Asset Gets Permanent Address
(**Permalink**)
on Florida Museum Namespace

<https://cdn.floridamuseum.ufl.edu/COLLECTION/UUID>

CDN Middleware routes the Permalink
to the **current** source.

What is a Permalink?



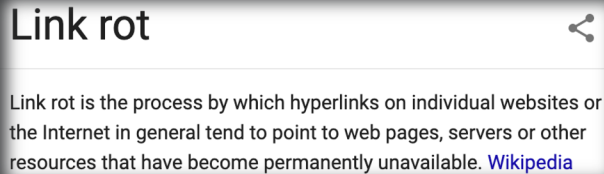
Permalink



A permalink or permanent link is a URL that is intended to remain unchanged for many years into the future, yielding a hyperlink that is less susceptible to link rot. Permalinks are often rendered simply, that is, as friendly URLs, so as to be easy for people to type and remember. [Wikipedia](#)

Why Implement Permalinks?

- Protect publications. Permalinks are our only defense against link rot.



- Reinforce institutional reputation.
- Clearly communicate that the specimen is from the Florida Museum.
- Necessary for publishing to aggregators. Image permalinks are required for your images to appear in iDigBio.
- Reduces the number of copies necessary, which reduces storage footprint.


How does it work?

- Automatic for Collection Object Attachments.
- Automatic for Preparations.
- Collections can manage directly via Specify.
 - Control public visibility.
 - Control external hosting redirect.

▼ Collection Object Attachments

FILENAME:	N:\NaturalHistory\Fishes\Fishes-Images\Randall Images\Southeast_Asia\Thailand_2018\TH18-14\UF_192116_Garra_notata_TH18-14
TITLE:	UF_192116_Garra_notata_TH18-14_IMG_4101_USE.JPG
GUID:	2df4481b-1725-401c-8f78-b9350bcbb637

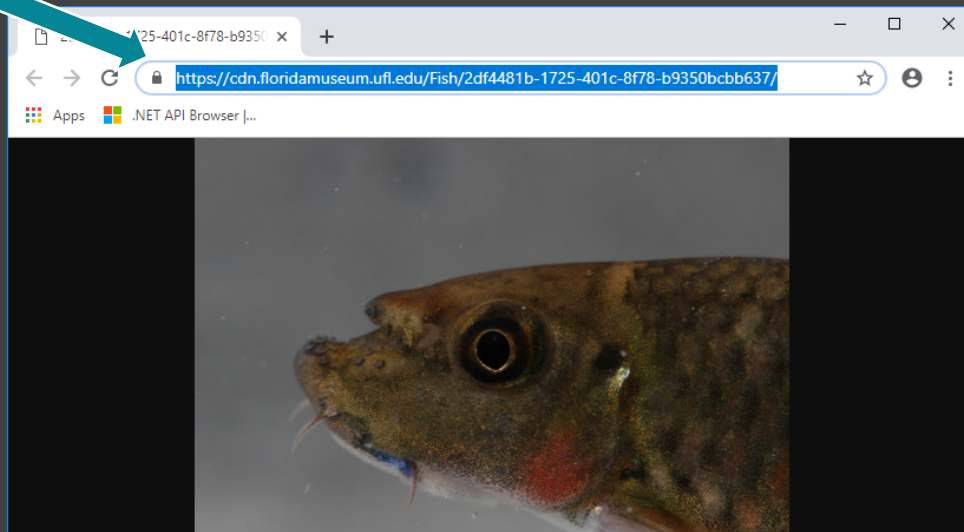
Make Public

CDN Permalink 

▼ Attachment Image Attributes

External Location:

External



How does it work with External?

CT Scan - 1

Prep Type: Prepared Date:

Count: 1 Guid: 2248088a-aad3-4667-9319-c88818d

Container Type: Container Loc. #:

Tissue Sample #: Tissue Source:

Nongenetic Sub...: Skeleton:

External Location:

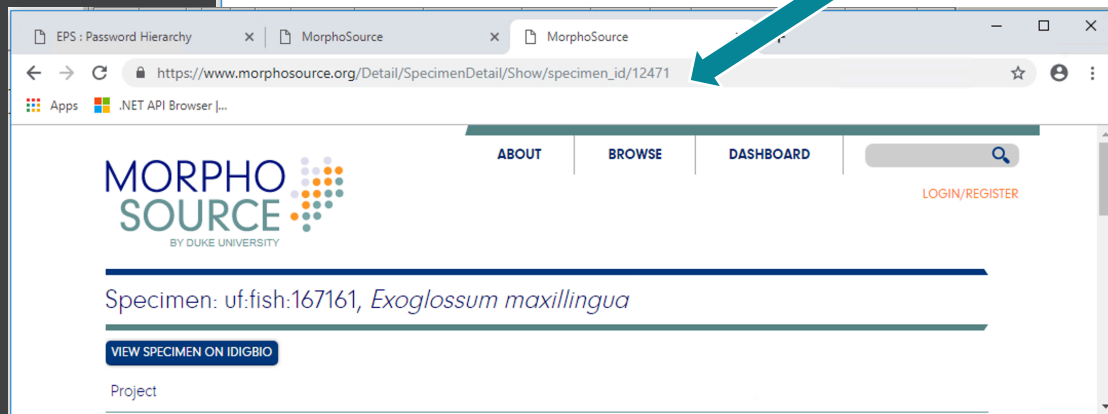
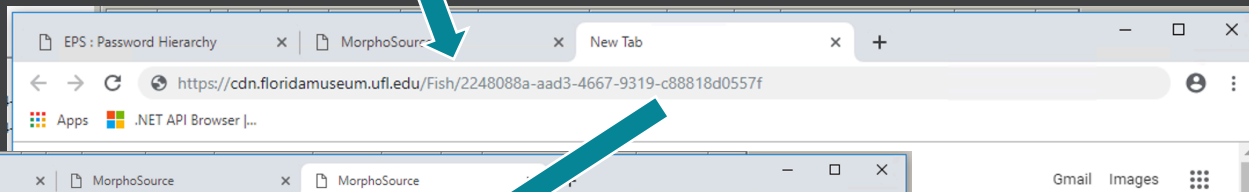
Is On Loan

Storage:

Inventory:

External

- Automatic for Collection Object Attachments.
- Collections can manage directly via Specify.
- Control public visibility.
- Control external hosting redirect.



Next Steps

- Roll out for remaining Specify collections.
 - Coordinate with Zach for details here.
 - Collection switches over to using Permalinks as rolled out.
- OMT Extends Florida Museum Data Publishing Pipeline to include Audubon Core metadata.
 - This will allow your image manifests to be ingested by iDigBio and other interested aggregators.
- Host workshops to develop community engagement.

FM FLORIDA
MUSEUM.®

UF | UNIVERSITY *of*
FLORIDA