

Derivative Copy Representations

Creating and adding representations in general and derivative copies in particular can be performed by staff users with the Technical Analyst (TA) or Data Manager roles. A user who has both a TA role and an Assessor or Arranger role can add derivative copies from the Assessor or Arranger interface.

There are three methods for adding derivative copies:

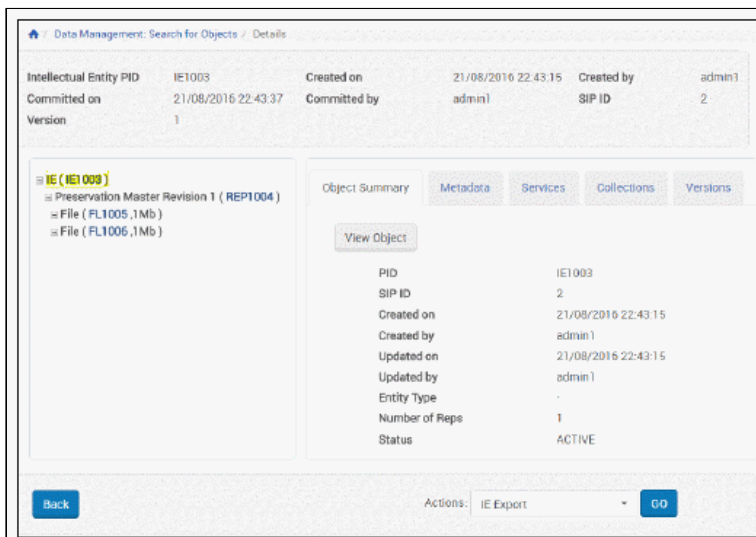
- Manually – see [Manually Adding a Derivative Copy Representation](#)
- With a service – see [Adding a Derivative Copy Representation with a Service](#)
- With a job – see [Adding a Derivative Copy Representation with a Job](#)

Manually Adding a Derivative Copy Representation

You can manually add a derivative copy from the Web Editor. Use this method when you have the derivative copy files.

To manually add a derivative copy representation:

1. Open an IE in the Web Editor and lock it.



Web Editor Displaying IE Information

2. From the **Actions** drop-down menu, click **Add Representation**, and then click the **Go** button. The Add Representation - Details page opens:

Home / Data Management: Search for Objects / Details

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IE General Information

Intellectual Entity PID	IE1003	Created on	21/08/2016 22:43:15	Created by	admin1
Committed on	21/08/2016 22:43:37	Committed by	admin1	SIP ID	2
Version	1				

Please provide details on the representation you are adding

Label

* Preservation Type

Representation Entity Type Representation Code

Access Rights Policy

Cancel

Add Representation - Details Page

3. Enter information in the fields:

- Label
- Preservation Entity Type
- Representation Code
- Access Rights Policy

Note

Only one derivative copy representation with given code and entity type values can be added to any given IE. To add multiple derivative copies to an IE, use different codes or entity type values.

4. Click the **Next** button.

The Load Page opens. There are two options for uploading files:

- Insert from Local PC – the interface that appears depends on your configuration:
 - If you are a licensed Aurigma user, the following interface appears:

Intellectual Entity PID	IE3399	Created on	20/08/2016 19:21:25	Created by	admin1
Committed on	-	Committed by	-	SIP ID	520
Version	-				

Please select file(s) to upload

Insert from Local PC
Choose From Server

Files for upload
Change view: Thumbnails

[Add more files](#), [add folder](#) or remove all files

+Add more files

Drop files here...

No files to upload
Upload

Selected Files

Order	File Name	Label	Physical Structmap Label	Note	Source	Size	Date

Back
Cancel Done

Derivative Copy Load Page – Aurigma Users

You can:

- drag and drop files onto the page
- click **Add more files** and select the files
 - click **Add folder** and select the folder
 - To use the manual interface instead, click **Load Files Manually**.
- If you are not using Aurigma, the following interface appears:

Submissions: Assess SIPs / Details

IE General Information

Intellectual Entity PID IE3399 Created on 20/08/2016 19:21:25 Created by admin1
 Committed on - Committed by - SIP ID 520
 Version -

Please select file(s) to upload

Insert from Local PC Choose From Server

Select File Load the files using the applet

* File

Label

* Physical Structmap Label

Notes

Selected Files

Order	File Name	Label	Physical Structmap Label	Note	Source	Size	Date
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Manual Upload Interface

Browse to the file you want to upload and click **Add Selected File**. Repeat for each file you want to upload. Uploaded files are listed in the Selected Files portion of the page:

Order	File Name	Label	Physical Structmap Label	Note	Source	Size	Date
1	African Buffalo.jpg	African Buffalo	African Buffalo		/exlibris/dps/d4_1/profile/operati...	383.42	22/08/2016
2	Dolphins.jpg	Dolphins	Dolphins		/exlibris/dps/d4_1/profile/operati...	123.43	22/08/2016
3	Lion.jpg	Lion	Lion		/exlibris/dps/d4_1/profile/operati...	245.65	22/08/2016

Selected Files Order

The Selected Files pane displays the selected files as described in the following table:

Selected Files Pane

Column	Description
#	The selected files' deposit activity priority.
Set Order	Use the Up and Down arrows to change the selected files' order in the IE.
File Name	Displays the name of the selected file.
Label	Provides a field for a label to be shown when the IE is viewed in Delivery (optional).
Source	Displays the source of the selected file. This is either Local or URL.

Column	Description
Size	Displays the size of the selected file.
Date	Displays the date on which the selected file was deposited.

For multiple files, to change the order of the files, click the arrows of the rows you want to change. When you have the files in the correct order, click the **Done** button.

- Choose from Server – To load files from a location on the server instead, first place the files you want to upload under the home directory on the server. Then click the **Choose From Server** tab on this page and enter the directory path in the **Import Directory** field. Rosetta takes all of the files under that directory and uploads them to the system.
5. When you are finished, click **Done**.
Rosetta creates the derivative copies.

Adding a Derivative Copy Representation with a Service

You can create a derivative copy representation with a service. Use the service when you want Rosetta to generate the files for you, either one-off (via the Web editor) or in bulk (as a task).

To create a derivative copy representation with a service:

1. Display an IE in the Web Editor.
2. On the IE level, select the **Services** tab.
3. Select the **Create Derivative Copy Representation** service. The following appears:

The screenshot shows the configuration form for the 'Create Derivative Copy Representation' service. The form is divided into several sections:

- General Info:** Process Name is 'FastTrack (Create Derivative Copy Representation, IE1003)' and Priority is set to 'High'.
- Create Derivative Copy Representation - Create Derivative Copy Representation:**
 - Preservation Type: 'Derivative Copy'
 - Representation Entity Type (Input): 'None'
 - File Extension Filter: A list of file extensions including .o, .qct, .qpt, .qxp, .step, .stp, and .wav.
 - Copy other extensions: Unchecked.
 - Plug-in Type: 'Stream Handler' is selected, with 'Jp2000' chosen as the profile.
 - Representation Code: 'Medium'
 - Access Rights Policy: A dropdown menu.
 - Representation Entity Type (Output): 'None'
 - File Entity Type (Output): 'ALTO'
- Email Notification:** 'Send email?' is set to 'No'.

Create Derivative Copy Representation Service

4. Fill in the fields:
 - Priority – select the priority of the service

- Preservation Type – select Derivative Copy
 - Representation Entity Type (Input) – select the representation entity type for the input
 - File Extension Filter – select the file extensions on which to run the service
 - Copy other extensions – copy the files with extensions not included in the filter
 - Plug-in Type – select one of the following:
 - Transform Profile, and select a profile from the list
 - Stream Handler, and select a stream handler from the list
(For more information, see [Stream Handlers](#) and [Transformation Profiles](#) in the *Rosetta Configuration Guide*.)
 - Representation Code – select a representation code
 - Access rights policy – select an access rights policy
 - Representation Entity Type (Output) – select a representation entity type for the output
 - File Entity Type (Output) – select a file entity type for the output to be applied to all new files
 - Send Email? – enter an email address to be notified when the service is completed
- The **Create Derivative Copy Representation** service creates the derivative copy.
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Note

Only one derivative copy representation with given code and entity type values can be added to any given IE. To add multiple derivative copies to an IE, use different codes or entity type values.

5. Click **Submit**.

Adding a Derivative Copy Representation with a Job

You can create a derivative copy representation with a job. Use the job when you have files and want to run in bulk.

To create a derivative copy representation with a job:

1. Select **Derivative Copy Job (Data Management > Manage Sets and Processes > Derivative Copy Job)**.
2. Click **Add Job**. The following appears:

Home / Data Management: Derivative Copy Job / Details

* Name

[Hourly](#)

[Daily](#)

[Weekly](#)

[Monthly](#)

[Advanced](#)

Start At

Time

Date

Repeat

Indefinitely

Until

Perform this task :

Every

Job Parameters

* User ID

* NFS Path

Auto-Generate Logical Structmap

Derivative Copies Job

- Fill in the fields to schedule the job. For more information, see [Submission Jobs](#).
- In the Job Parameters section, enter your user ID and the path of the folder that contains the files to be used to create the derivative copy representations.

The NFS path you indicate should be built in the following format:

- Each folder in the NFS path indicates a separate IE.
- Each IE folder should contains a METS file that contains the information to create one or more derivative copy representations. The METS file must contain:
 - An ie-amd with PID internalIdentifier (only). For example:

```

<mets:amdSec ID="ie-amd">
  <mets:techMD ID="ie-amd-tech">
    <mets:mdWrap MDTYPE="OTHER" OTHERMDTYPE="dnx">
      <mets:xmlData>
        <dnx xmlns="http://www.exlibrisgroup.com/dps/dnx">
          <section id="internalIdentifier">
            <record>

```

```

    <key id="internalIdentifierType">PID</key>
    <key id="internalIdentifierValue">IE13660</key>
  </record>
</section>
</dnx>
</mets:xmlData>
</mets:mdWrap>
</mets:techMD>
</mets:amdSec>

```

- A generalRepCharacteristics section (for each REP), specifying preservation type (must be DERIVATIVE_COPY), representation entity type, and representation code. For example:

```

<mets:amdSec ID="rep1-amd">
  <mets:techMD ID="rep1-amd-tech">
    <mets:mdWrap MDTYPE="OTHER" OTHERMDTYPE="dnx">
      <mets:xmlData>
        <dnx xmlns="http://www.exlibrisgroup.com/dps/dnx">
          <section id="generalRepCharacteristics">
            <record>
              <key id="preservationType">DERIVATIVE_COPY</key>
              <key id="representationEntityType">JPEG Images</key>
              <key id="RepresentationCode">MEDIUM</key> (for some reason this is uppercase - fix?)
            </record>
          </section>
        </dnx>
      </mets:xmlData>
    </mets:mdWrap>
  </mets:techMD>
</mets:amdSec>

```

- A generalFileCharacteristics section (for each file), containing any field that is supported when submitting as part of a SIP. For example:

```

<mets:amdSec ID="FL1-1-amd">
  <mets:techMD ID="FL1-1-amd-tech">

```

```

<mets:mdWrap MDTYPE="OTHER" OTHERMDTYPE="dnx">
  <mets:xmlData>
    <dnx xmlns="http://www.exlibrisgroup.com/dps/dnx">
      <section id="generalFileCharacteristics">
        <record>
          <key id="label"></key>
          <key id="note"></key>
          <key id="FileEntityType"></key>
          ...
        </record>
      </section>
    </dnx>
  </mets:xmlData>
</mets:mdWrap>
</mets:techMD>
</mets:amdSec>

```

- A fileSec, + a fileGrp(s) for each REP.
The METS file may contain:
 - File level descriptive (DC, source) metadata sections
 - Representation level source metadata sections
 - Representation level access rights policy
 - Physical structmaps. If none are provided, and no other SM is provided (and flag is false), Rosetta will generate physical structmap.
 - Logical (EXL/custom) structmaps
- The NFS path should contain a Streams folder that contains the files of the derivative copy representations. (Absolute NFS paths and HTTP references are also supported.)

Note

Rosetta allows only one derivative copy with a given entity type and representation code per IE. Adding a derivative copy to an IE that has a derivative copy with the same entity type and code with this job overwrites the representation.

Note

- You can prevent the job from processing a folder. (This can be useful if you do not want it to be loaded prematurely.) To do so, create an empty file in the submission job folder and name it locked (or .locked).
 - While processing a folder, the submission job adds a locked file.
 - After a folder has been successfully processed, the submission job adds a done file. Folders with done files
-

are not processed by the submission job. You can create a cron job to clean up these folders.

- After a folder has been unsuccessfully processed, the submission job adds an error file. Folders with error files are reprocessed by the submission job (and should not be deleted). Users can use this file to identify problematic submission folders.
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