## **OMERO** data sharing

Sometimes it is needed to access the same data in different groups. To avoid data duplication it is possible to create so called hardlinks that lead to different object IDs within OMERO, while the physical, underlying data is not replicated. Hardlinks can be deleted individually without affecting the physical data. Only when the very last hardlink is deleted, the physical data gets deleted. The individual objects have distinct annotations within OMERO and can be therefore handled independently.

## Step-by-step guide: How can I **share** images between different groups without duplicating the data completely?

## Main steps:

- 1. Create hardlinks
- 2. Move hardlinks to another group

## **Detailed description:**

- First you have to select the Dataset(s) or Image(s) you would like to share across different groups. You can select one or multiple (use "Shift") objects, but only of type "Dataset" or "Image" (Projects are not supported).
- Call the "Duplicate Across Groups" script.



😯 Webclient 🛛 🗙 🕂				- 0
← → C <sup>4</sup>	omero-cai. <b>hhu.de</b> /webclient/userdata/?experimenter	=1724 90%	··· ⊘ ☆	<u> </u>
CAI Data History Help Figu		۰ 🏩	Search: Q	🕽 🔝 Anna Hamac
👥 CAi_MembraneDyeDatabase Anna Hamacher 💌		<ul> <li>back</li> </ul>	neral Acquisition Previ	ew
Explore Tags Shares	Add filter 🗸	Channel Offsets	R	
	and the second se	Combine Images	VI464-FX	0
- J. Anna Hamacher		Dataset To Plate	415 5450	
<ul> <li> <sup>2</sup> 2021-reb_LSmool_Airyscan 5     </li> <li> <sup>2</sup> Cellmask_after4days_Phototox_Blebbing 14     </li> </ul>		Duplicate Across Groups	naset ID: 5452	Show all
Cellmask_Phototox_Blebbing 24		Images From ROIs	Jataset Details	•
PM404-FX3 20210128_Airyscan_Livecell_DAPI_FM464FX_I	D	Move Annotations	Id Description	
20210128_Airyscan_Livecell_DAPI_FM464FX_	Fi II			
20210128_Airyscan_Liveceii_DAPI_FM464FX_I	c		Creation Date: 2021-03-0	03 11:07:24
Orphaned images			Tags 0	Þ
			Koy Value Paire 0	-

• Run the script.



• The progress can be seen in the "Activities" log.

😯 Webclient	× +		- 0
$\leftarrow$ $\rightarrow$ C $\textcircled{0}$	🛛 🖴 https://omero-cai.hhu.de/webclient/userdata/?experimenter=1724	90% \cdots 🗵 🏠	👱 III\ 🗉 🚳
CALIONERO Data History	Help Figure Tag Search Gallery Key-Value Search Admin	🗞 🚮 Search:	🔍 👤 Anna Ha
L CAi_MembraneDyeDatabase Anna Han	amacher •	Activities	Clear List
Explore Tags Shares	Add filter 🗸	Supplicate Across Groups	
Anna Hamacher     2021-Feb_LSM880_Airyscan 3     Celmask_after4days_Phototox_Blebbing24     Celmask_phototox_Blebbing24     Extended Example and the second se	bbing 14 APL_FM464FX_b APL_FM464FX_ft APL_FM464FX_tt	FM464-FX Dataset ID: 5452 Owner: Anna Hamu Dataset Details Add Description Creation Date:	acher Show
Crphaned Images		Tags 0	

 Refresh your browser. Duplicated Datasets appear without project in your group's Data, while duplicated single Images appear in the "Orphaned Images" folder.





• User right-click on the duplicated object to use "Move to Group".



· Select the target group (only groups are displayed, that are associated with your user).

Move to Group	×
Please choose target group below:	^
LLAG_Beller	
LAG_Schmitt	
LCAi-Modul_WS19-20	
CAHModu[_WS20_21	
1 default	
£system	~
Cancel O	к

• Select the target project or create a new one. The system will only list Projects that are owned by your user.

Move to Group		×
Move data owned by Anna Hamacher.		
Please choose target group below:		
Move: 1 Dataset, 3 Images		
Choose target Project in new Group:		
New	Cancel	ок

• Refresh your browser to see that the images have been moved successfully. The Activies Log will also contain information about the progress.

😯 Webclient	× +		- 0
← → ♂ ଢ	♥ A https://omero-cai.hhu.de/webclient/userdata/?experimenter=1724	90% … 🛛 🕁	👱 III\ 🗊 🔕
CATO DAta History	Help Figure Tag Search Gallery Key-Value Search Admin	🗞 😭 Search:	🔍 👤 Anna Hama
<b>22</b> CAi_MembraneDyeDatabase Anna	Hamacher •	Activities	Clear List
Explore Tags Shares	Add filter ↓	Move to Group 'CAi_CAi' Image moved to Group 'CAi_CAi' SI	s These in How Image
Anna Hamacher     Z021-Feb_LSM880_Airyscan 3     Orphaned mages 1     Z0210128_Airyscan_Livecel_DAPL_FM464FX_long_		Created hardlinks successfully. Da 90527,90526	itaset: None, Image:
		Oelete Dataset Dataset 5751	
		Duplicate Across Groups     Created hardlinks successfully. Da     90524,90525,90523	Itaset: 5751, Image:

Related articles

- OMERO upload (OMERO.insight)
  OMERO download
- OMERO search
- OMERO web linkOMERO data sharing