

# OMERO upload (OMERO.insight)

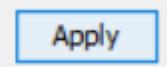
Step-by-step guide: How can I **upload** images into OMERO?

## 1. Install and setup OMERO.insight (for UKD see additional instruction in section 3 below)

1. Download and install the latest version of OMERO.insight suitable for your Operating System from <https://www.openmicroscopy.org/omero/downloads/>
2. Launch the program, you should arrive on the login page. Click on the wrench icon (highlighted here in red) to add the cai-omero server.

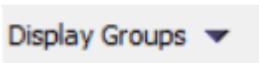


3. Click on the  button of the next menu and enter the server address: omero-cai.hhu.de

4. Select the server from the list and confirm the changes with 

5. Enter your username and password

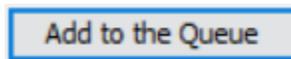
## 2. Upload data

1. Click on the  dropdown menu and select the groups you want to display. Checking a group will by default only select your environment.
2. Expand the folder and right click on the location where you want your data to be uploaded (on a project if you want to upload a dataset to that project, on a dataset if you want to upload an image to that dataset, ...)

3. Select all the files you want to upload (Ctrl+A to select all, Ctrl+"left click" to select/deselect individual files, or select a file and Shift+"left click" on another one to select all files between these two)



4. Click on the Right arrow to add the files to the queue



5. You can again select the Project or Dataset you want to upload the files to and confirm by clicking on



6. Click on the import button

7. Once that the import is done, check that your files are in the right place (by logging for example on [omero-cai.hhu.de](http://omero-cai.hhu.de))



In case of field images from the **Operetta CLS**, do NOT select the individual images for upload but the "index.idx.xml" file in the "Images" folder. OMERO will automatically extract the image information from this file and upload all images into a plate-well-field hierarchy and visualize it in a plate frame.

If you want to upload continuous images recorded at the Operetta, such as tissues on slides, then you first have to stitch the images before uploading (e.g. by using the Fiji plugin "[Operetta importer](#)"). The same accounts for whole well imaging – stitch the data before uploading to OMERO. The mentioned Fiji plugin provides a script to stitch individual objects (e.g. wells in a plate or tissue samples on a slide) automatically in batch processing. If you want to visualize stitched whole well images in a plate layout in OMERO, then a further processing step after upload is necessary in OMERO (Dataset to Plate transformation).

### 3. Configure OMERO.insight at the UKD



Those working at the UKD must provide the configuration of their proxy server to OMERO.insight to be able to connect.

Instruction for Windows (for others, please contact [tom.boissonnet@hhu.de](mailto:tom.boissonnet@hhu.de), I haven't had the opportunity to try it with other OS)

1. Locate your OMERO.insight installation. On Windows, should be something like "C:\Users\YOURUSER\AppData\Local\OMERO.insight"
2. Download the file "OMERO.insight\_proxy.bat" to your Desktop
3. Right-click the file "OMERO.insight\_proxy.bat" and modify with a text editor (Notepad, Notepad++, ...)
4. Change the path to your own path found in 1. The whole line should look like this: C:\Users\YOURUSER\AppData\Local\OMERO.insight\OMERO.insight.exe --Ice.HTTPProxyHost=10.1.200.1 --Ice.HTTPProxyPort=8080

You can now double-click that file to start OMERO.insight with the right configurations.

### Related articles

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