

# Getting Started with CLS OMERO

#### **Introduction**

CLS has an OMERO server called Nightshade that allows you to store image data centrally. You can use the OMERO.insight client to upload, view and download data from any computer or laptop on or off-campus.

Your College of Life Sciences username and password are used to log into the OMERO server, using the URLs given below. Your OMERO account is automatically created the first time you log in, and if you change your CLS password, OMERO will automatically reflect this.

#### Installing OMERO.insight

For Windows machines, or Apple Macs where the user has administrative privileges, follow the instructions for downloading and installing in steps 1 and 2 below.

For Apple Mac machines with the standard CLS disc image, where users do not have administrative privileges, use the Self Service app to download OMERO as described in step 3.

1 Download the OMERO.insight client

http://downloads.openmicroscopy.org/latest/omero5



• Each client package includes OMERO.insight, OMERO.importer and OMERO.editor and requires Java 6 or higher.

76.42 MB OMERO.clients-5.1.3-ice35-b58.linux.zip

bb021f (MD5)

 Users of Mac OS X should use the clients matching their installed Java version. Users of MacOS X 10.7 and later should install the <u>latest Java Runtime Environment (JRE</u>) and use the Java 7+ downloads. Users of MacOS X 10.6 can only use the Java 6 download.



Linux



- Note: Mac OS X users should download the clients matching their installed Java version. With MacOS X 10.7 and later, install the latest Java Runtime Environment (JRE) and use the Java 7+ downloads. With MacOS X 10.6 you can only use the Java 6 download.
- 2 Expand the OMERO.insight client archive and move it to your home directory.

#### Windows:



**Note:** As OMERO.insight is a stand-alone Java application, and does not require installation as such, so you do not need administrator privileges to install it.

On Windows, expand the .zip archive and move the OMERO.clients folder to your Documents or home directory, or the Programs folder if you have the permissions.

On a Mac move the OMERO.clients folder to your Applications folder.

Mac users on machines where they are an administrator may be blocked by a warning that OMERO.insight has been prevented from opening as it is from an unidentified developer.

Follow these instructions to adjust the security settings so OMERO.insight can run on your Mac:

https://support.apple.com/kb/PH14369





**3** For Mac users with standard CLS disc images installed (no administrative privileges). Open the **Self Service.app** in the Applications folder. Select the **Scientific** section from the menu on the right. Click the **Install** button for OMERO.



# 4 Open the OMERO.insight client.

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OMERO.insight_64.exe OMERO.insight_app OMEROInsight_unix.sh	localhost [LAN] 🔳 🔨
	Username:
	Password:
	Quit
	5.1.9-ms-1226-as54ct6-text5-b415 OMERO is distributed under the terms of the GNU GPL. For more information, visit openmicroscopy.org
	<b>OME</b>



www.openmicroscopy.org



## Adding server name and logging in

Adding the server is only required the first time an OMERO server is accessed from the computer.

1 Click on the **Spanner** icon.

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localhost [LAN] 🖬 🔦	Z
Username:	
Password:	
Quit	
5.1.0-m3-1228-aa54c69-lox35-b415	
OMERO is distributed under the terms of the GNU GPL. For more information, visit openmicroscopy.org	
• • OME	

2 In the Add Server dialog box, click on the + icon. Enter the server address:

nightshade.openmicroscopy.org

Click on **Apply**.

		Servers	X
		Servers	S
		Enter a new server or select an existing one.	0
		Server Address and Port	
		You should not have to modify the port.	
		2 localhost	4064
		nightshade.openmicroscopy.org	4064
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	Apply	Apply	Cancel





3 Enter your CLS Username and Password. Click on Login.



#### Joining Groups

When you log into OMERO for the first time, you will be in a "default" group, My Data, which is Private, so only you can see data you place in that group. Being a member of a read-only or read-annotate group in OMERO allows you to share data with other members of the group.

Your lab or PI may have a group you wish to use for collaborating with colleagues. Ask your PI to add you to their group or send an email, giving the names of the groups to which you wish to be added, to the Nightshade Administrator at:

#### sysadmin@openmicroscopy.org

More details on using groups and sharing data is on the Help page at:

http://help.openmicroscopy.org/sharing-data.html





# Importing image data

1 Click on the **Importer** icon.

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- 2 Specify a location for saving imported data:
  - select a group if you are a member of more than one
  - a new project and/or dataset can be created
  - an existing project and/or dataset can be selected from the drop-downs
  - a new dataset can be automatically created from the source folder
  - click Add to the Queue.



**3** Data to be imported appears in the queue pane. When ready click on **Import**.

Files to import	Options					
Free Space	Im	port size: 720 MB				
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P-TRE_32.r.	Laws-Skye (Coll	Dature Pap		125 MB		
P-TRE_33.r.	Laws-Skye (Coll	🔄 Nature Pap		125 MB		
			Cancel All	Import		Import





#### Using OMERO.web

**1** OMERO.web allows you to view your data from any web browser with the URL:

#### nightshade.openmicroscopy.org

You do not have to enter a server name.

OMERO.web uses the same login, and has the same functionality, as OMERO.insight, except OMERO.web cannot import data or create new Regions of Interest (ROIs).

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### Help and support

Detailed User Guides for common workflows using OMERO.insight and OMERO.web are available online and for download at:

#### help.openmicroscopy.org

For help to get started using OMERO or any other questions please email us at:

ux@openmicroscopy.org

