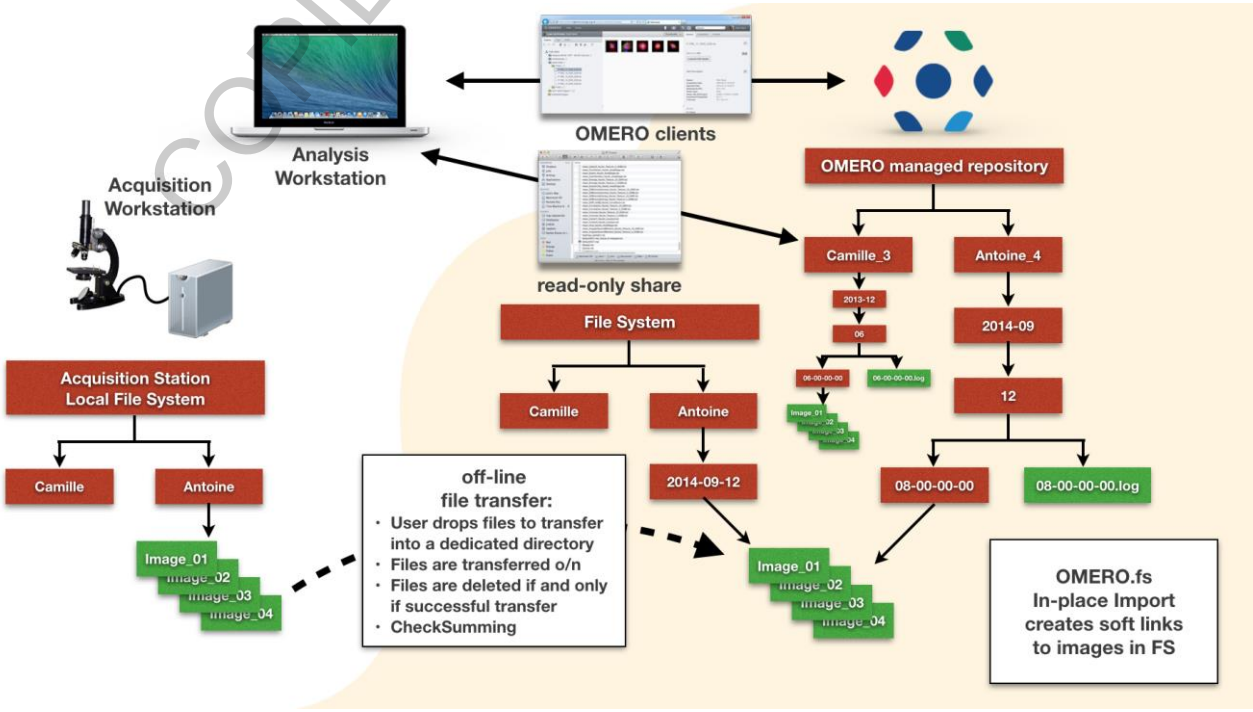
Objet	Réunion du groupe de travail MRI OMERO
Destinataire (s)	MRI CREW
Présents	Volker, Julio, Marc, Julien B
Excusés :	

The OMERO commission meeting is taking place at the CRBM, room 020 at 10AM

All the members of the commission are present:Volker, Marc, Julien B and Julio

Different scenarios where a number of criteria, from the standpoint of the needs of the users, the needs of the facility managers and the IT (MRI-TIGR) might be optimally met. These criteria are:

- Assuming that OMERO does not solve all the storage needs and not all users are going to use OMERO, there is a real interest in using a mixed environment where users can access the data either through OMERO, either through a networked SMB share on the desktop if allowed by the network settings, either through SFTP. Function called “mixed access”
- For big files, there is a need to transfer the data while (1) not blocking the use of the acquisition station, (2) not charging the user for transfer time and (3) not interfering with the function of the acquisition station. Function called “off-line import”.
- Data should be saved in their original raw format.
- As far as the technique allows it, data should be on server as soon as possible so that users can start to work with them.



New developments in OMERO 5, mainly “in-place import”, Dropbox and Command Line Importer, allow this and offer a number of choices. This options are presented and discussed:

From the users’ perspective, in the presented scenario, there are two options to import the images after acquisition:

1- Use the current Java client developed by the OME-team.

2- Drop his images into a dedicated directory. These images will be transferred overnight and imported into OMERO in a dataset named after the import date.

Again from the users’ perspective, in both cases, the users can access the data either through the OMERO clients or through a share mounted into the desktop (samba) if allowed by the network or SFTP (FileZilla or similar)

The advantages are presented:

- Mixed access to data: OMERO and SMB/SFTP
- We keep OMERO's developments

User may decide later if you want to join OMERO and the images will be there

- Minimise massive data transfer. Data is transferred only once
- ‘Ready’ for really big data
- RAW data is kept as it comes out of the microscope

The disadvantages or limitations are presented:

- Share access is read-only. You may read the data but not change anything
- Hierarchy in OMERO is so far not reflected in SMB mount
- Limitations are imposed to manage networked FileSystems

Julio is contacting the OMERO team to study the feasibility of this scenario.

A support e-mail address will be created: omero@mri.cnrs.fr. Initially the OMERO commission, Olivier and Stephane should be in the list. It would be desirable if there is at least one person per plateau.

Support material should be placed into our website. We can use the existing material from OMERO site but a translation has to be done to French. Also we consider the idea of creating training videos. Either in english and french or with subtitles.

Trainings will be organised every ~2 months depending on demand, for which a MacMini server will be purchased. Also, a training quick start guide will be standardised and handed to the newly trained users.

The server migration from the IGH to the CRBM will be arranged by the end of October. Careful choices have to be done at installation time fo guarantee the compatibility with the development of the platform: Path structure, load, capacity, backup, LDAP configuration

MRI-TIGR is going to arrange an automated installation and update of the OMERO clients.

The issue of group creation is analysed. As today, neither MRI or Biocampus LDAP are configured such that group membership can be extracted. It seems that the best option is to

introduce the groups by hand and on demand. Julio can introduce all the groups as soon as he has a comprehensive list of them. He will consult if it is possible to run this automatically.

Julio will write precise procedures to add new users to a group and integrate this into the QA. So every platform may do this to his members. Custom collaboration groups will be created on demand.

The OMERO developer ad will be finished and posted by the 20th of September demanding the following skills:

- Python and Java programming experience
- Experience with client-server application development
- Object-oriented and aspect-oriented programming skills
- Experience with Windows, Linux, and other proprietary Unix flavours
- Strong collaborative skills with an eye towards efficiency and creativity
- Excellent English

As plusses would be considered:

- Database experience (preferably PostgreSQL)
- ZeroC's ICE
- Experience with image data and analysis
- Experience in an open source development project

The ad will be distributed among different networks. The ad should be ready by the 20th and with a deadline of the 20th October. Interviews should be arranged as soon as possible aiming to arrange the contract by the first of december.

The OMERO developer will be involved into the developments necessary to integrate OMERO into the infrastructure of MRI, provide support and be the interface with MRI-optique.

According to Volker, the development of the tools to integrate the off-line import into the MRI infrastructure might take, considering the required learning / embedding into the OMERO platform, something like 3 months. Other proposed developments for the future include:

- Development of maintenance analysis routines into the QA: MetroloJ / Argolight (they would like the idea)
- Develop tools to manage / notify quotas… being done but we might contribute with automatic notification of unused files
- Develop a Deconvolution tool linked to Huygens through the python scripting service.

It is clearly mentioned that MRI has to think about financing the continuation of the 1 year developer's contract.

The meeting is finished at 12:26