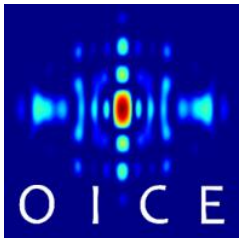


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OME
Backbone
in a multimodal
imaging environment

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Data Storage

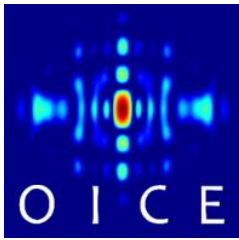


iSCSI Access

Imaging Systems



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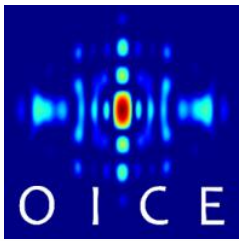
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iSCSI Access



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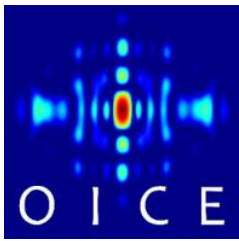
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iSCSI Access



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Data Storage



iSCSI Access

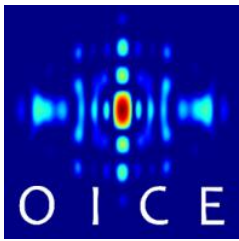
Imaging Systems



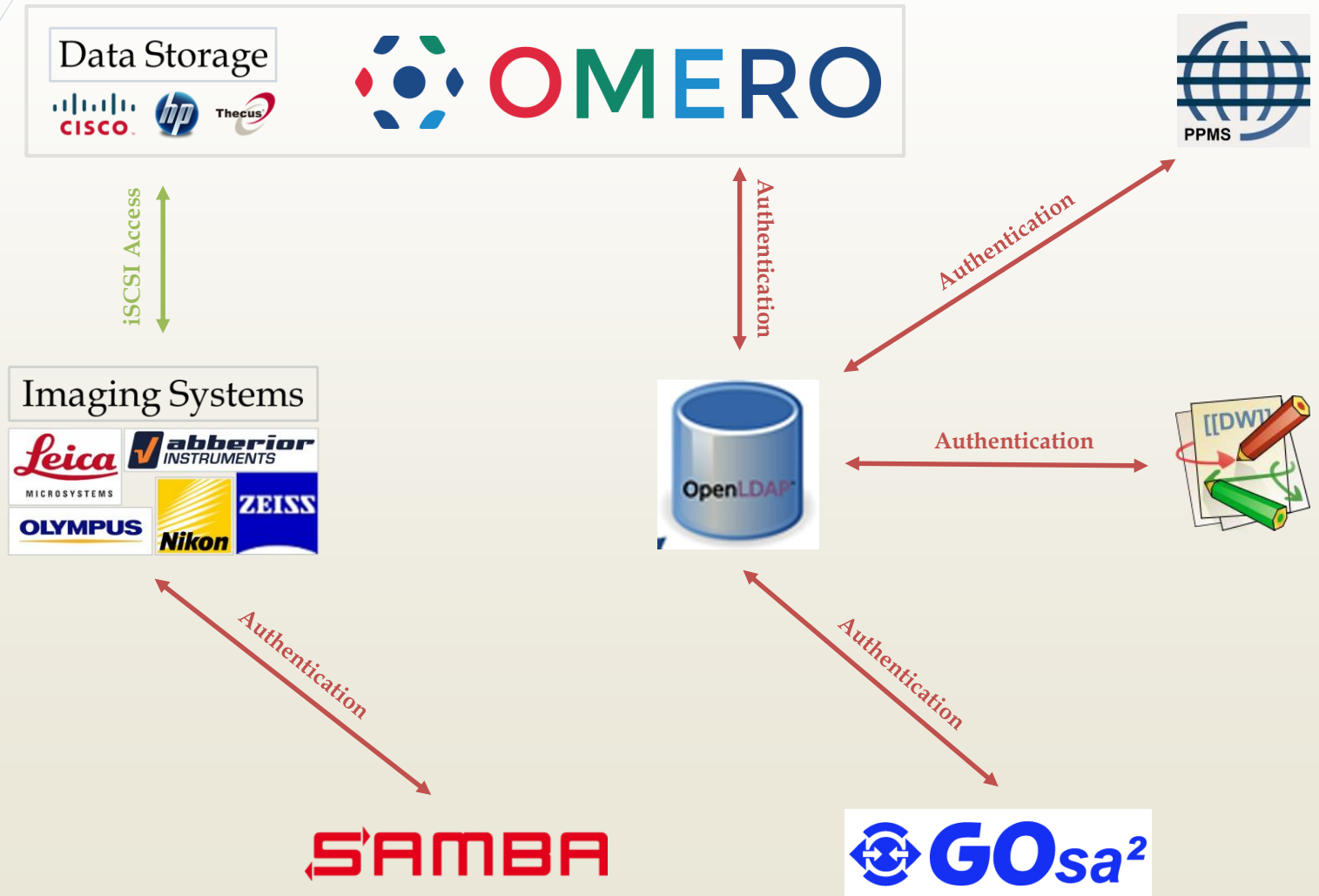
SAMBA



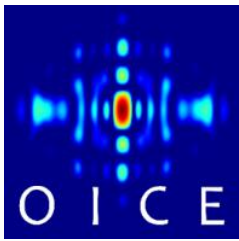
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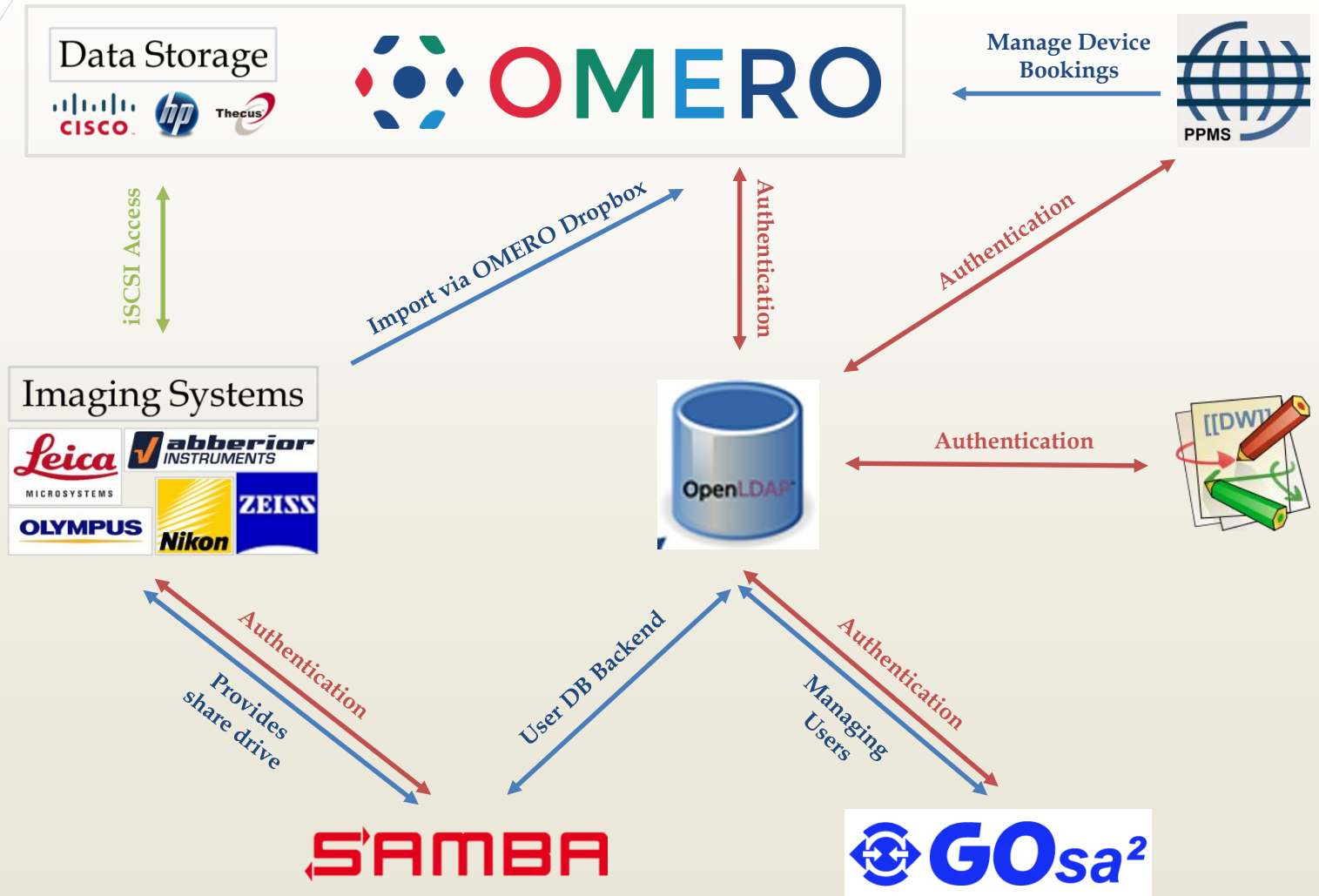
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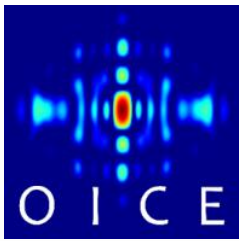


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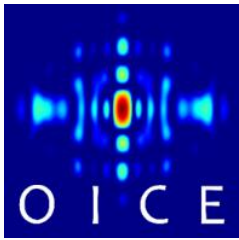




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Benefits:

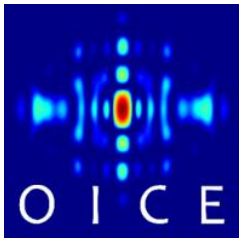
- ✓ Open source, critical changes can be included manually if needed.
- ✓ Support for almost every proprietary and open image format via the integrated Bioformats library.
- ✓ Meta data can be attached to Projects, data sets and images.
- ✓ Rights management and groups enable easy collaboration on data.
- ✓ Central storage of image data means easy back ups and long term archiving.
- ✓ Data can be easily accessed from any place that offers internet and a browser.
- ✓ Some online analysis is possible and more powerful tools can be added by including custom Python scripts.
- ✓ ROIs can be saved alongside of images. This is especially useful for STED and other super-resolution imaging. However, currently the ROI meta data is not always properly imported.



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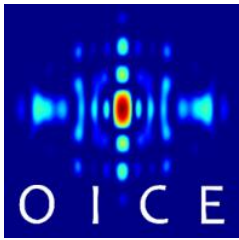
Work to do:

- The groups feature is not yet powerful and intuitive enough. Users expect to be able to have an image in several groups, e.g. for sharing with several collaborations. Moving data between groups is slow, and unnecessary if several groups are supported.
- Organisation of images that are in one raw data file needs to be clearer, e.g. by a collapsible tree view.
- DropBox needs to allow upload to Groups, Projects & datasets according to folders with fallback to *Orphaned Images*. It would also be highly beneficial if there would be an in-place import option à la hardlink + delete on success.
- Certain parts of the OMERO.server are not stable enough and recover badly from errors. If there are problems with Unicode characters or erroneous permissions, the system should continue to functions if possible.
- Novel microscopy formats (Abberior e.g. are currently poorly supported) patches to OMERO are slow despite cooperation from the developers.
- With v5.1.2, it is still not easily possible to change ownership of images or whole projects, not even for administrators.



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*If you have visions
go and see a GP*
German Chancellor Helmut Schmidt
1977



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*If you have visions
go and make them come true!*

unknown



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10th Annual Users Meeting

Paris 2nd - 3rd June 2015

