

HMS Parallel Image Analysis Strategy using OMERO

To enable analysis of large quantities of image data and associated metadata by making use of existing compute and storage resources in conjunction with a new OMERO resource.

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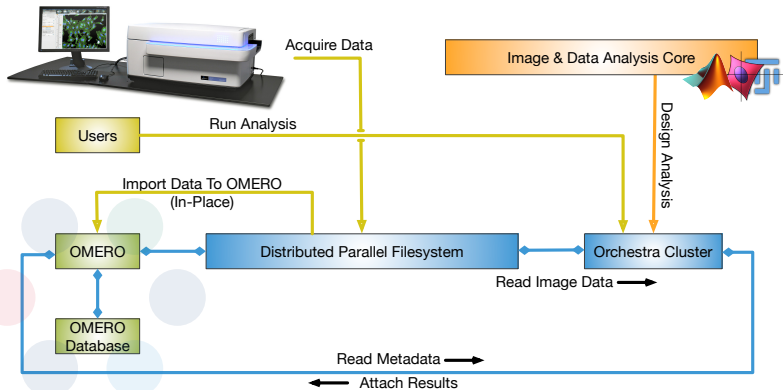
Harvard Medical School

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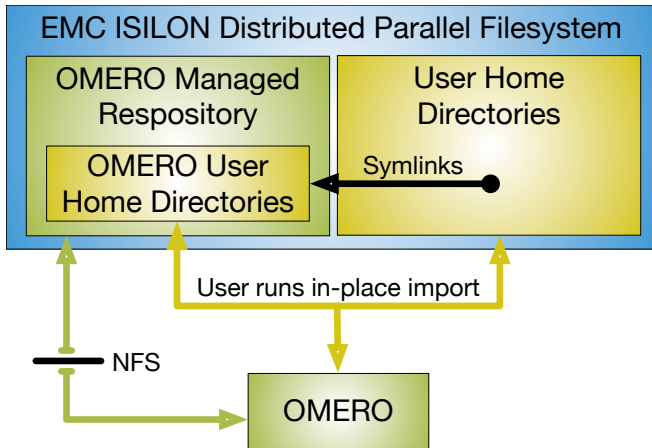
Image Management, Analysis & Publishing

- Roll-out OMERO campus wide
- Define new workflow for image management
- Define new workflow for image analysis
- Enable large scale parallel analysis especially for High Content Screens
- Enable collaborative sharing
- Enable data publication

HMS Landscape



Filesystems



(Tiny Subset of) Challenges

- Authorization & Permissions
- Generalising Solution
- Publishing
- Federation
- Useability

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- Sorger Lab
- Laboratory of Systems Pharmacology
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- NIH LINCS
- HMS Image Data & Analysis Core

Notice of Conflict of Interest: Peter Sorger (HMS LINCS PI) is a co-founder of Glencoe Software Inc. that is developing OMERO software and selling OMERO support services.