Managing, Processing, and Visualizing Massive Datasets with the ViSUS Framework

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Demo: Interactive Remote Analysis and Visualization of 6TB Imaging Data

- EM datasets of resolution: 130Kx130Kx340

6.4 TB of raw data
Integrated Data Acquisition, Management and Computation for Neuroscience

(1) Data Source
(2) Preliminary Interactive Analytics
(3) Asynchronous Parallel Processing
(4) Interactive, Exploratory Assessment and Feedback
Remote Monitoring of Data Quality During Acquisition
Online Acquisition and Interactive Visualization of Terascale Microscopy
Improving the efficiency of aligning large-scale 3D Microscopy Data with progressive computations?

- Assumption: Modern microscopes acquire 3d image stacks as tiles with at least 15% overlap.
- Instrument provides only a coarse registration, which needs to be improved for further analysis.
Try the ViSUS framework, we will be glad to help!

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