

A MODULAR ARCHITECTURE
FOR IMAGE ANALYSIS AND
DATA VISUALIZATION

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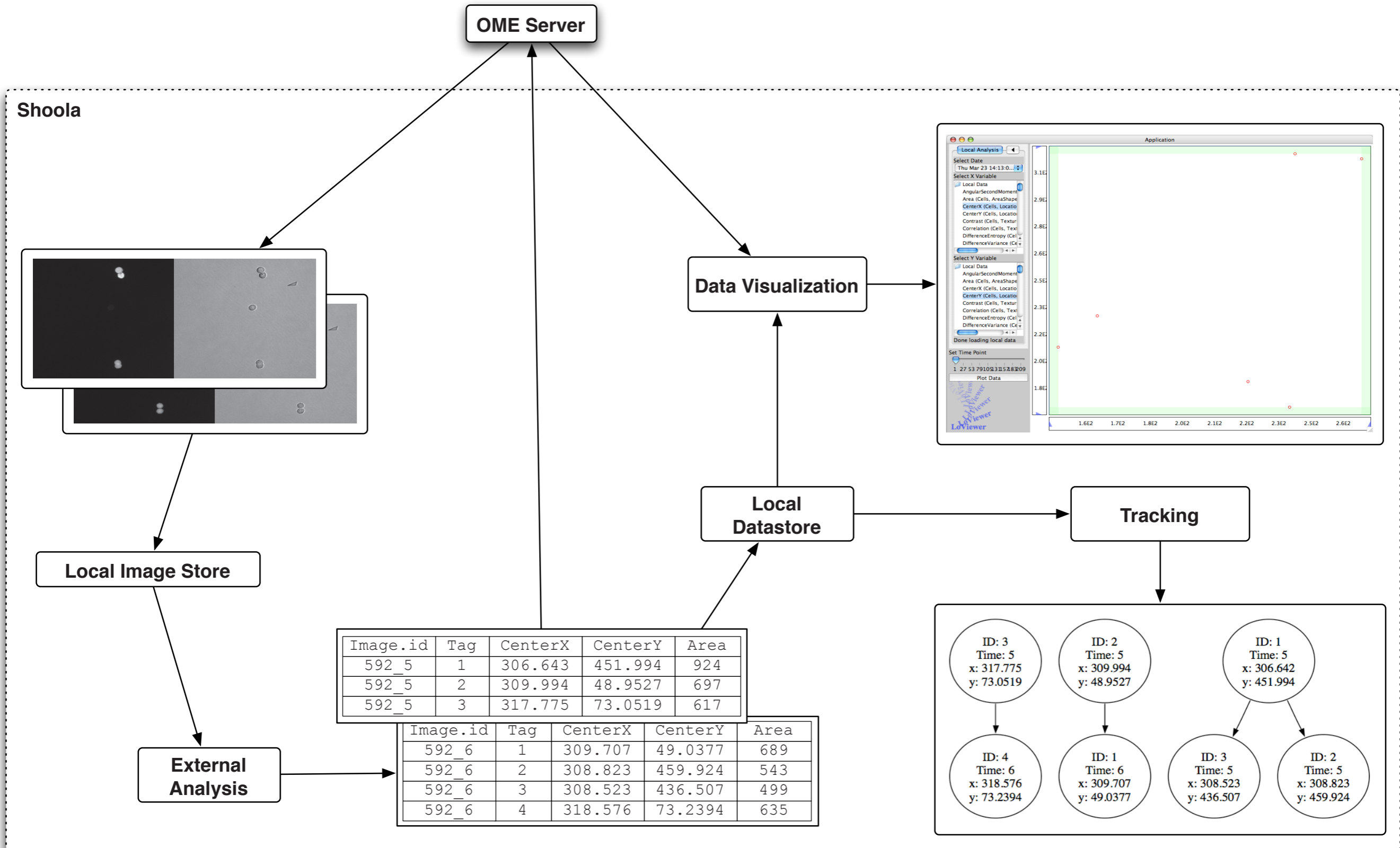
THE PROBLEM

Retrieve images stored in OME

Local analysis

Visualize and/or manipulate data in OME

WORKFLOW



STEPS TO A SOLUTION

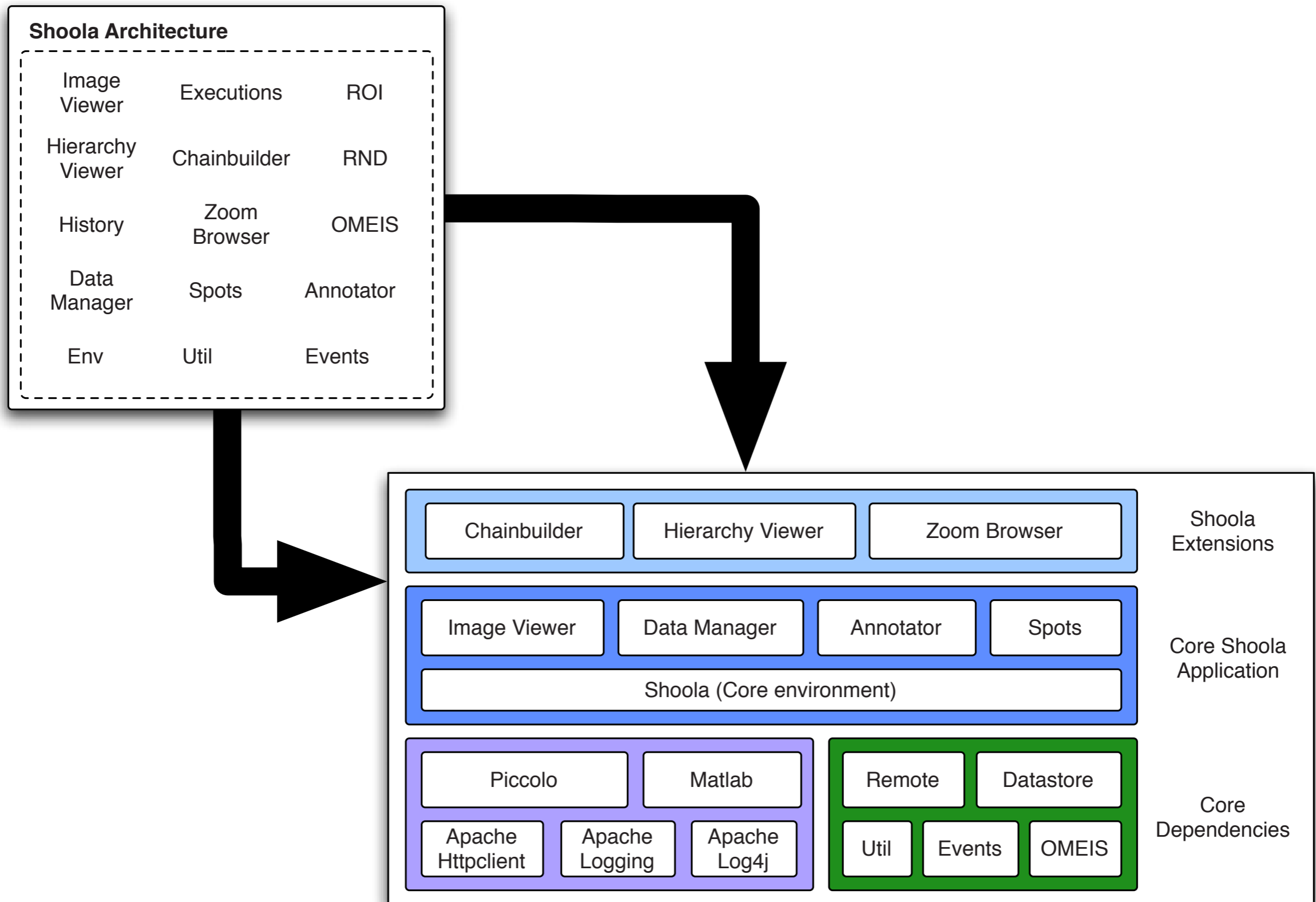
Modular Architecture

Client-side External Analysis

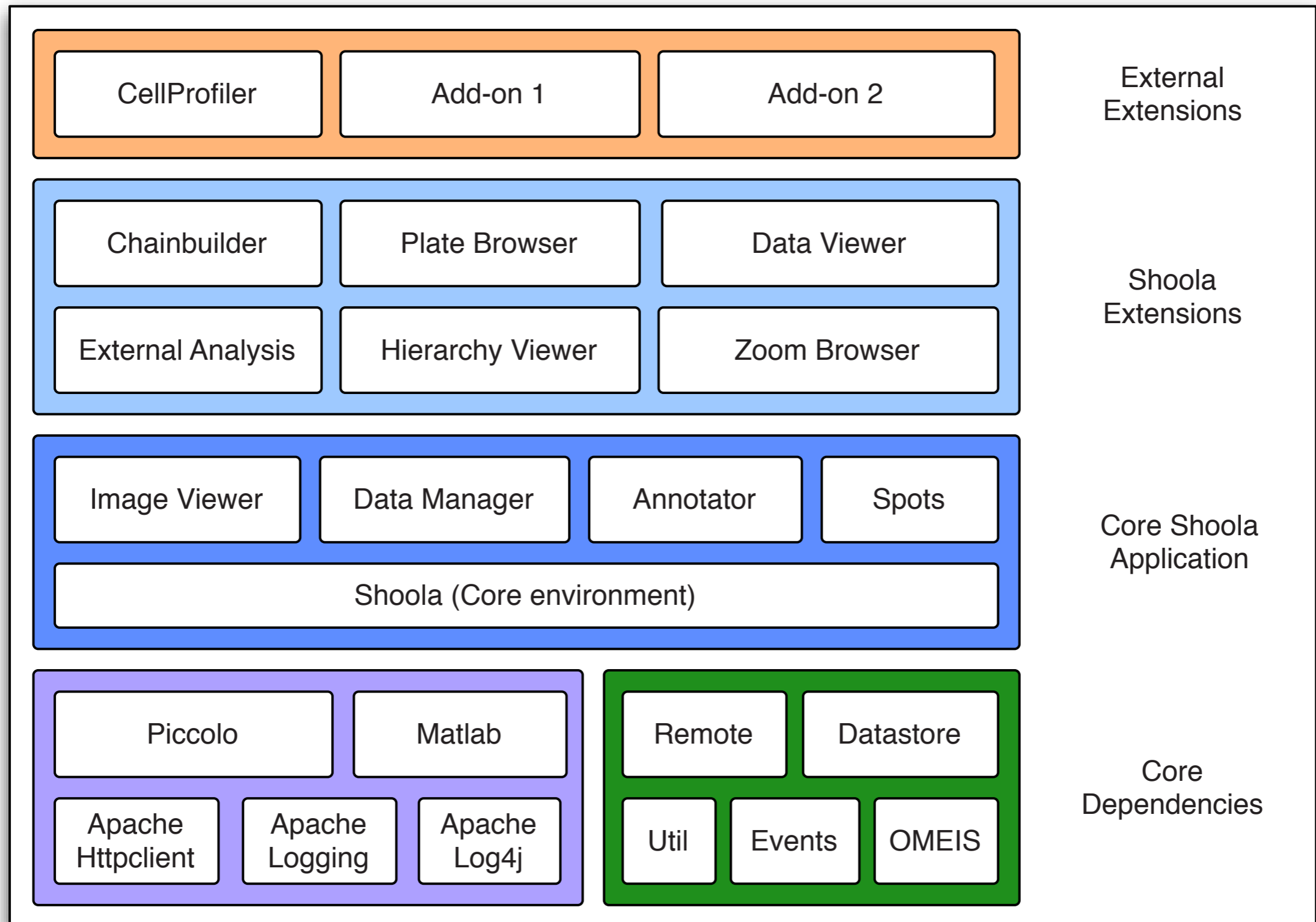
Local Data Storage

Visualization and Manipulation of Data

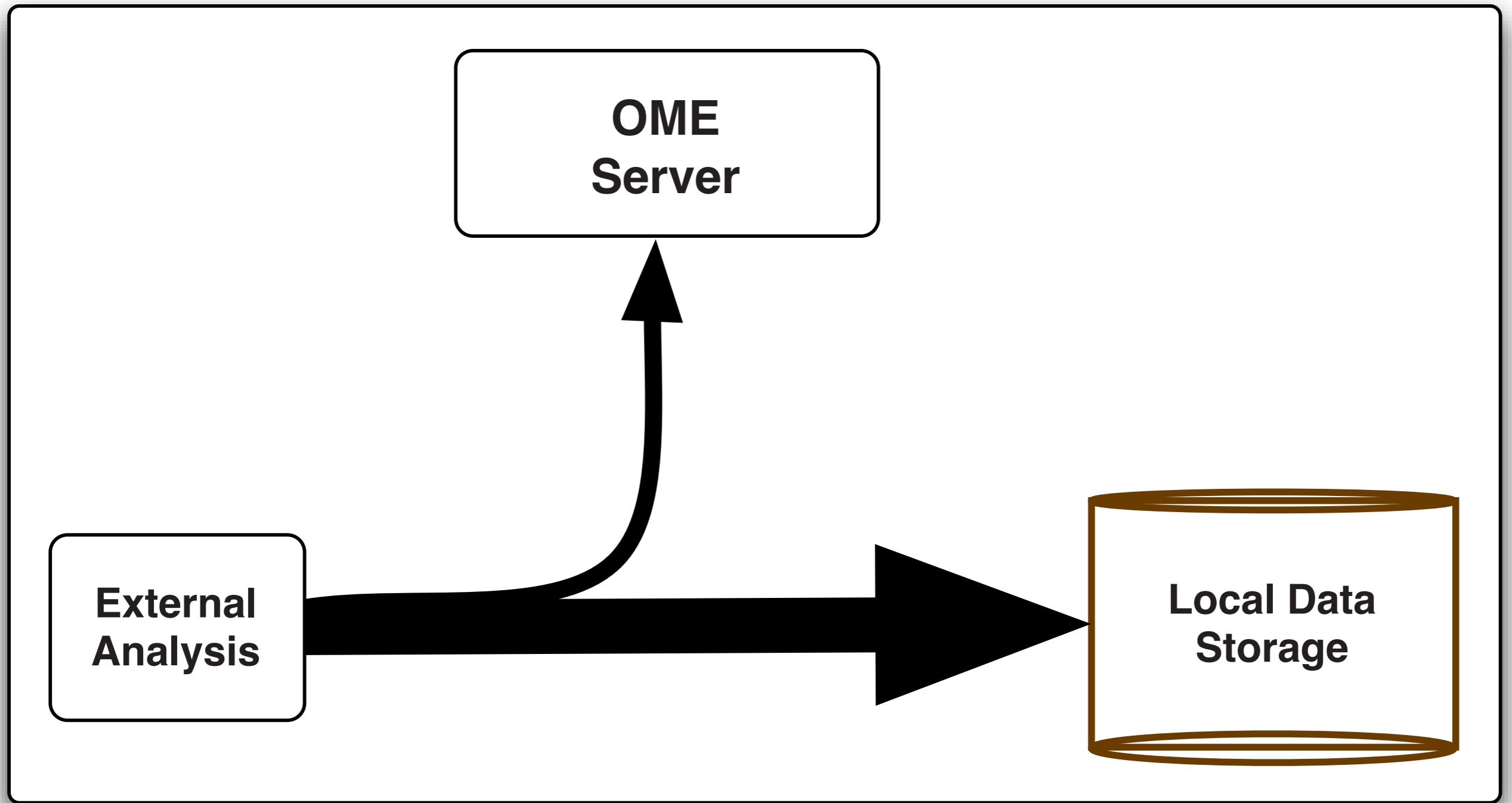
MODULAR ARCHITECTURE



CLIENT-SIDE EXTERNAL ANALYSIS



LOCAL DATA STORAGE



VISUALIZATION AND MANIPULATION OF DATA

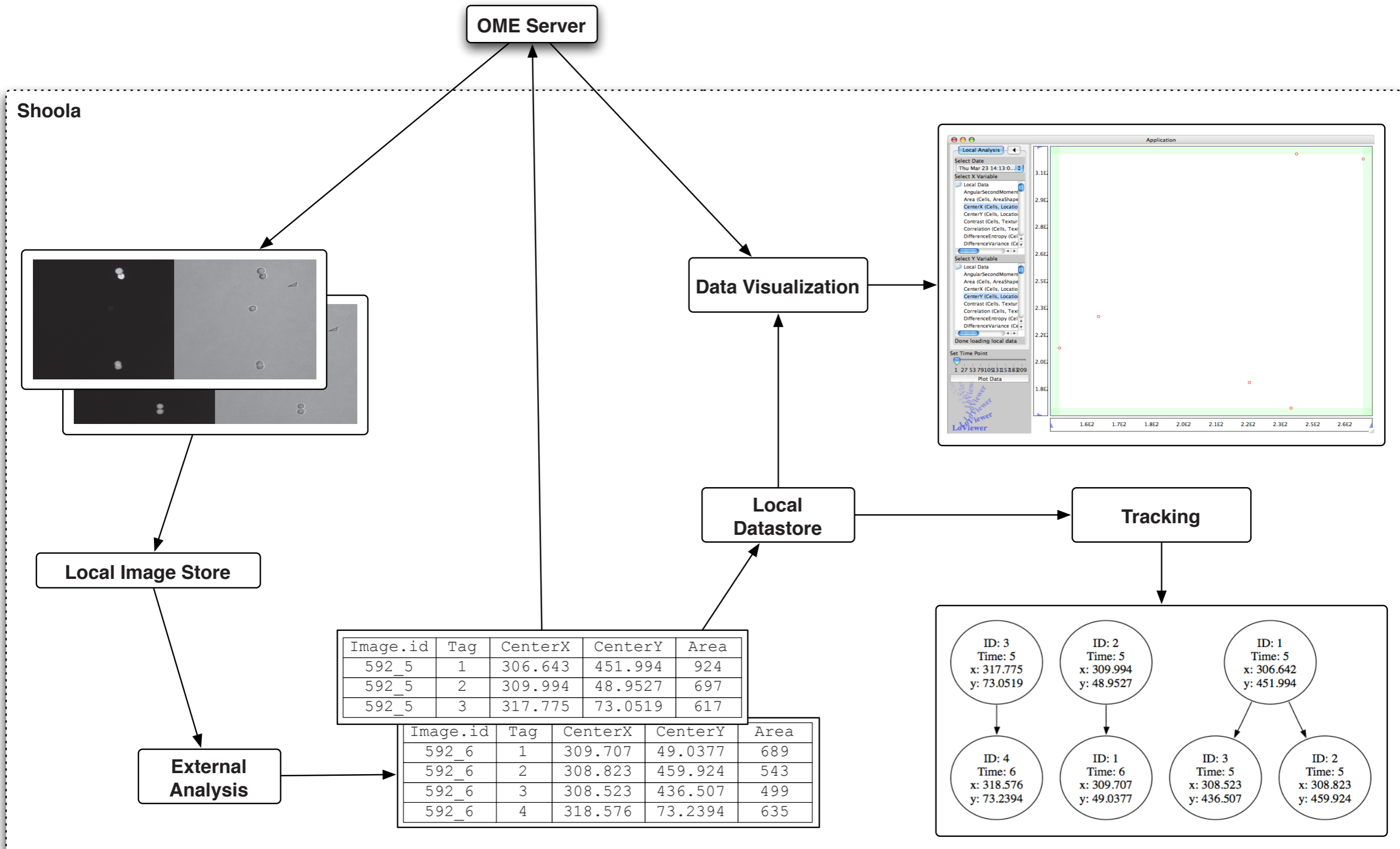
Display both local and remote data.

Quickly identify clusters in the data.

Give rapid feedback to the user to help tweak automated analysis parameters.

Determine which measurements should be stored on the server in Semantic Types.

HOW EVERYTHING FITS TOGETHER



WALKTHROUGH

CONCLUSIONS

The re-design of client architecture enables better extensibility.

More applications can work with OME without changing a user's workflow.

A user can now easily visualize and manipulate data in OME.