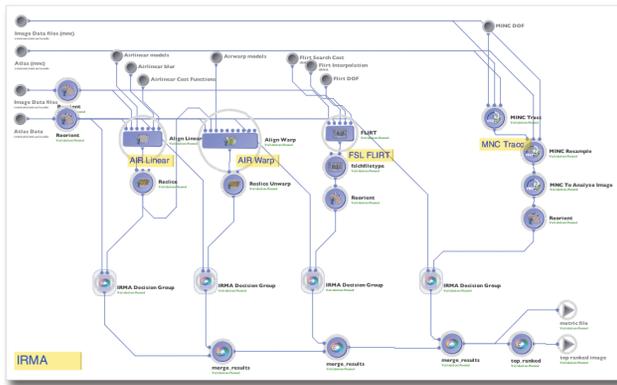


Contemporary informatics and genomics research require efficient, flexible and robust management of large heterogeneous data, advanced computational tools, powerful visualization, reliable hardware infrastructure, interoperability of computational resources, and detailed data and analysis-protocol provenance. The Pipeline is a client-server distributed computational environment that facilitates the visual graphical construction, execution, monitoring, validation and dissemination of advanced data analysis protocols.



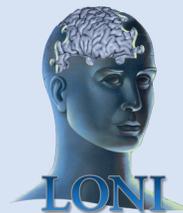
The LONI Pipeline is a free workflow application primarily aimed at neuroimaging researchers. With the LONI Pipeline users can quickly create workflows that take advantage of all the greatest neuroimaging tools available.

Download the free software, view demos, attend an upcoming training, or simply find out more by visiting:

<http://pipeline.loni.ucla.edu>



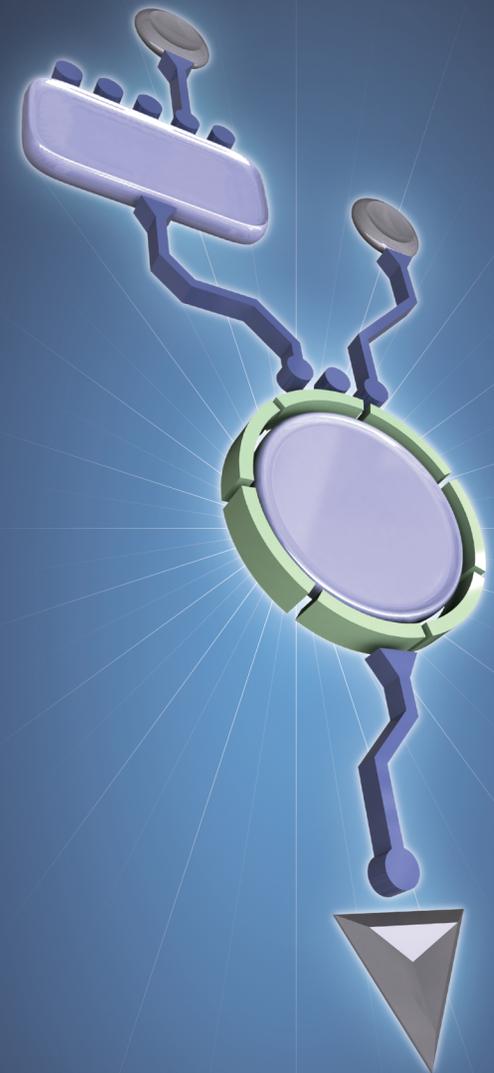
LONI Pipeline is developed at the Laboratory of Neuro Imaging, UCLA.



Laboratory of Neuro Imaging
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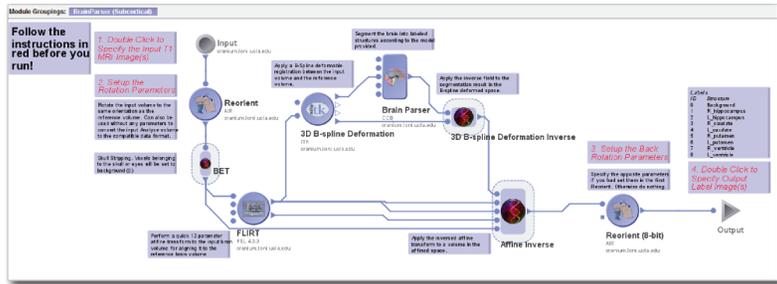
This work is supported by:
 NIH-NCRR 9P41EB015922-15 and 2-P41-RR-013642-15



LONI
Pipeline
<http://pipeline.loni.ucla.edu>

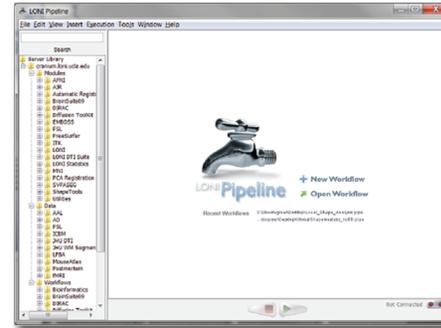
LONI Pipeline

The LONI Pipeline is a flexible graphical environment for constructing complex scientific analyses of data. It provides a visually intuitive interface to data analysis while also allowing for diverse programs to interact seamlessly.



Simple User Interface

With the clean and easy-to-use interface of the Pipeline, you can free your mind to think about research problems instead of system administration.

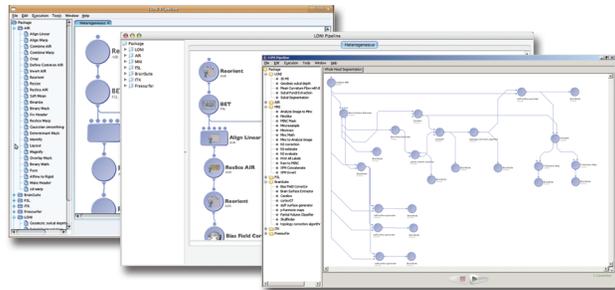


More Features...

- Module creation utility
- Tools usage stats
- Local workflow persistence
- Server status charts
- Design, validation, and execution of modules and complete workflows
- Automated and intelligent data format conversion
- Local and remote data browser
- Conditional and iterating modules
- Imaging and meta-data processing
- Web-services modules
- Creating parameters
- Variable transformations
- Error log for data sinks
- Execution log pages
- Annotation features
- Distributed client-server and platform-agnostic computational infrastructure
- Extended collection of imaging and informatics tools
- Reliable, asynchronous, and secure data processing
- Grid and DB interfaces
- No software installation, client web-start via browser

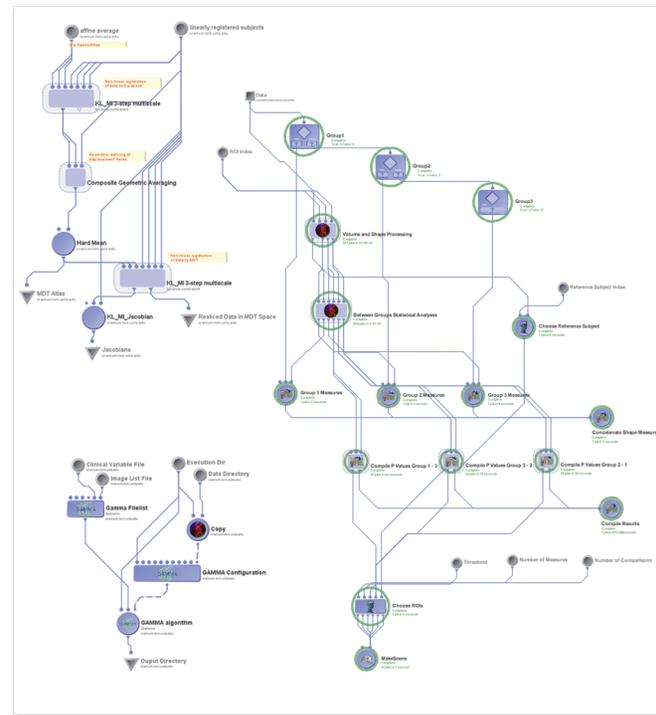
Cross Platform Compatible

You can work in whatever operating system suits you best. If there are tools that you need that can only work on another operating system, you can install a Pipeline server on that computer and connect from your client to do processing and analysis remotely.



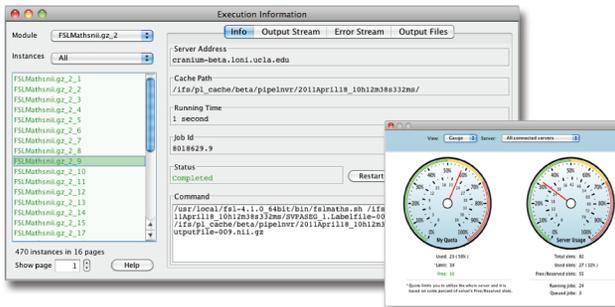
Pipeline Library

The LONI Pipeline provides hundreds of predefined neuroimaging solutions, including data, modules and workflows. You can put them to your own workflow, change parameters and inputs as you wish. Every time you connect to our server, the whole library will be automatically updated.



Grid Support

The environment takes advantage of supercomputing environments by automatically parallelizing data-independent programs in a given analysis whenever possible.



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