Status

- Development: active
- Support: active

Resources

- Home page
- Download
- 2008 Survey

2013 Summer School
Taught at the 2013 GMOD Summer School

About Galaxy

Galaxy is an open, web-based platform for *accessible, reproducible, and transparent* computational biomedical research.

- *Accessibility:* Galaxy enables users without programming experience to easily specify parameters and run tools and workflows.
- *Reproducibility:* Galaxy captures all information necessary so that any user can repeat and understand a complete computational analysis.
- *Transparency:* Galaxy enables users to share and publish analyses via the web and create Pages--interactive, web-based documents that describe a complete analysis.

Galaxy is open source for all organizations. The public Galaxy server makes analysis tools, genomic data, tutorial demonstrations, persistent workspaces, and publication services available to any scientist that has access to the Internet. Local Galaxy servers can be set up by downloading the Galaxy application and customizing it to meet particular needs.

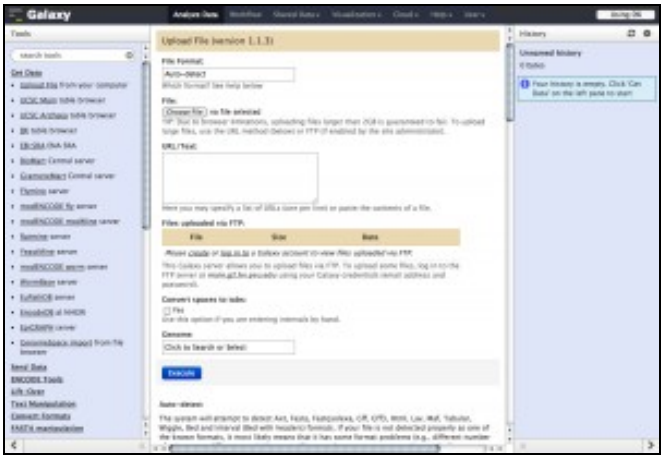
2013 Galaxy Community Conference

The 2013 Galaxy Community Conference (GCC2013) will be held June 30 through July 2 at the University of Oslo in Oslo, Norway. GCC2013 will feature a Tutorial Day followed by two days of presentations, discussions, lightning talks, breakouts, and keynotes on extending Galaxy to use new tools and data sources, deploying Galaxy at your organization, and best practices for using Galaxy to further your research.

GCC2012 was held in Chicago had over 200 attendees. Slides and videos of all talks at GCC2012 and GCC2011 are available on the Galaxy wiki.

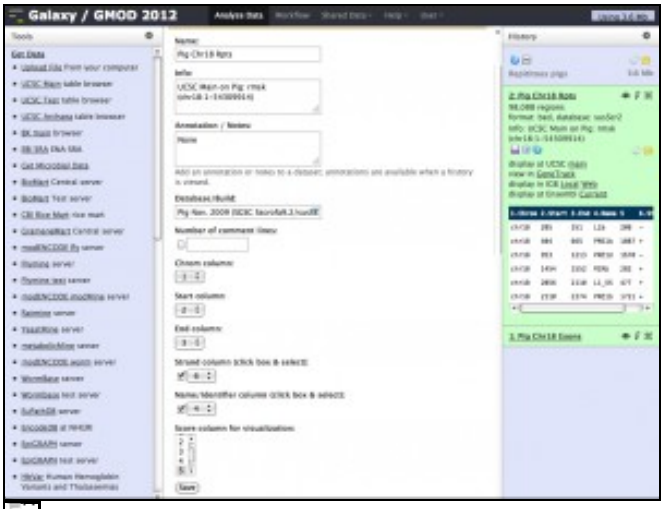
Visit the Galaxy website.

Screenshots



Galaxy 'Upload file' tool

Galaxy 'Table Browser' tool



Editing the attributes of a data set in Galaxy

Downloads

- Download Galaxy: http://getgalaxy.org
- The source code for Galaxy can be downloaded from https://bitbucket.org/galaxy/.

Using Galaxy

Galaxy aims to be a zero configuration entirely self-contained system that provides a lightweight webserver, an embedded database and a multi-threaded job manager. All tools (and their parameters) can be specified via simple XML based configuration files.

Full documentation on all aspects of getting, installing, and using Galaxy is available from the Galaxy Wiki.

Documentation

- General Galaxy info
- User documentation
- Source code documentation
- Search the whole universe of Galaxy docs

Publications, Tutorials, and Presentations

Publications on or mentioning Galaxy

See Citing Galaxy for a core list of 25+ papers on Galaxy, and the Galaxy CiteULike group for a fuller list of papers mentioning or using Galaxy.

Tutorials

Galaxy Learning Hub
A wealth of training materials, including:
- ◊ Galaxy 101
- ◊ Screencasts
- ◊ Shared Pages, Histories & Workflows
- ◊ Other Tutorials
- ◊ Working With Datasets
- ◊ and more!

Galaxy Tutorial
As taught at the 2012 GMOD Summer School

Contacts and Mailing Lists

	Mailing List Link	Description	Archive(s)
Galaxy (Search Announce, Dev, User & France)	galaxy-announce	Announcements of interest to the **Galaxy** community. *Low volume and moderated.*	Nabble, Penn State
	galaxy-dev	Discussion and questions regarding local installations and development of **Galaxy**. *High volume.*	Nabble, GMane, Mail-Archive.com, OSDir, Penn State
	galaxy-user	General questions and discussion regarding **Galaxy** usage, especially pertaining to the public sites hosted by the Galaxy Team. Also used for announcements relevant to the Galaxy user community. *High volume.*	Nabble, GMane, Mail-Archive.com, OSDir, Penn State
	galaxy-france	Cette liste est destinée à l'information (et aux discussions) de la Communauté francaise Galaxy. (This list is for announcements to (and discussion within) the French Galaxy Community. Most list content is in French.) *Faible volume / Low volume.*	Nabble
	galaxy-commits	Galaxy source control commit messages.	Penn State

Galaxy in the wild

Public installations of Galaxy: Galaxy maintains a list of public Galaxy servers

Galaxy Development

Development team

The Galaxy Development Team are listed on the Galaxy wiki; in addition to the core developers, there are also extensive contributions from the Galaxy user community.

More on Galaxy

See Category:Galaxy

Raw tool data at Galaxy/tool data