

Galaxy Project Update

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Galaxy Team

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http://galaxyproject.org

Topics

Project Overview

Galaxy Whirlwind Tour

Project Activity

with an emphasis on past 12 months

Not Topics

Installing Galaxy

http://getgalaxy.org/

Running Galaxy on the Cloud

Last night's workshop

http://usegalaxy.org/cloud

Galaxy Project

Big Picture:

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

GUI for genomics: analyze, visualize, share, publish.

http://galaxyproject.org/

Galaxy

Available in several different ways:

A free (for everyone) web site integrating a wealth of tools, compute resources, terabytes of reference data & persistent storage

http://usegalaxy.org/

Open source software that makes integrating your own tools and data and customizing for your own site simple

http://getgalaxy.org/

http://galaxyproject.org/wiki/PublicGalaxyServers

On the cloud: Deploy Galaxy on a scalable cloud infrastructure.

http://usegalaxy.org/cloud

Whirlind tour of the Galaxy

Galaxy features:

http://usegalaxy.org/

See also:

http://usegalaxy.org/galaxy101

http://galaxyproject.org/wiki/Learn

Some Recent & Pending Activity: Software

Regular releases: Aiming for monthly

Disk and concurrent job quotas now supported

Run compute cluster jobs as real user

Lots of Trackster work (visual analytics)

New Object Store data integration layer

ENA as a data source

Moving towards MVC model in interface

Sphinx code doc is coming

What's coming: Software

- Capturing and automatically deploying tool dependencies, automatic tool acquisition in Galaxy instances
- Better interfaces for highly parallel analysis (e.g. running the same workflow across 192 individuals)
- Various workflow engine improvements, partial data streaming, combined experimental/computational workflows



The Galaxy community's annual gathering

A new Training Day added July 25

- 7 topics, 3 parallel tracks, 12 sessions
- 1) Intro, 2) Installing, 3) CloudMan, 4) Integrating Tools & Sources, 5) API, 6) Tool Shed, 7) Ion Torrent SDK

Key Dates

- April 16: Abstracts due
- June 11: Early registration ends (early reg is cheap)



Try it now: http://usegalaxy.org

Develop and deploy: http://getgalaxy.org



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