Galaxy Deployments at Indiana University

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National Center for Genome Analysis Support

April 16, 2015





About IU and NCGAS, and me

A bit about Indiana University: Very culturally diverse campuses Known for our Jacob's School of Music and Kelley School of Business



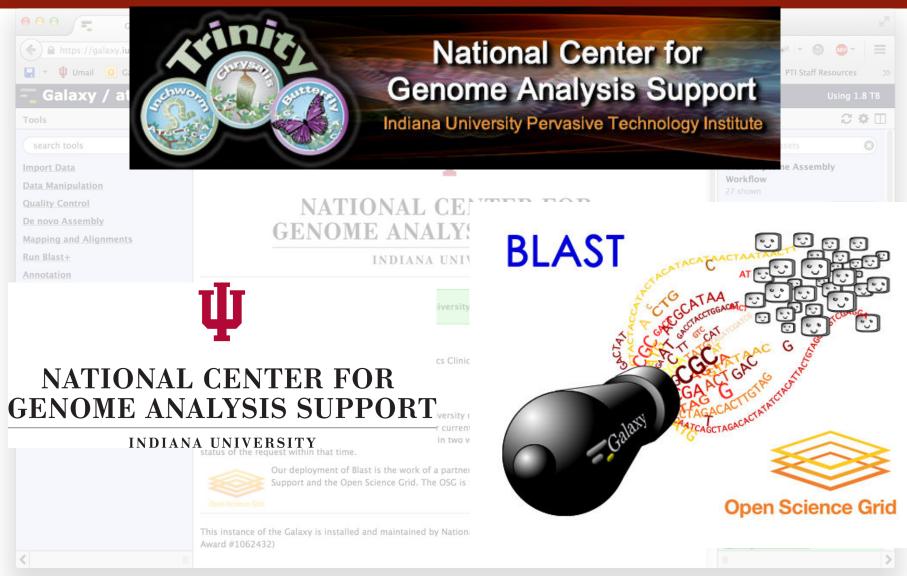
A bit about NCGAS:

National Center for Genome Analysis Support NSF/NIH/IU funded group offering bioinformatics support/Linux help and lab experience to researchers

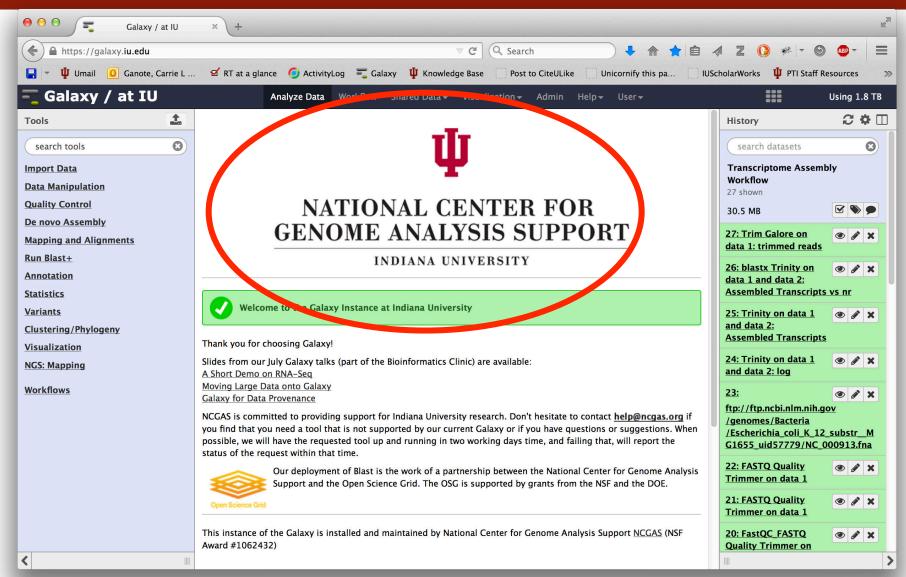
> A bit about me: NCGAS Staff since Oct 2012 First year PhD student, woohoo! An unhealthy obsession with turkeys



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Thanks for watching! Questions and comments: Email <u>help@ncgas.org</u>

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Tools I search tools Import Data Data Manipulation Vanilla Extract	 Running since 2012 on Mason clus Deployed on Quarry, Big Red2 and Karst Apache proxy + Kerberos Authentication Lustre Filesystem Most tools, with emphasis on large applications 	SOOD TO BE 30.5 MB S S S S S S S S S S S S S S S S S S	
	 University-wide, plus collaborators Still using hg Fancy javascript tool menus! 		



The Game Plan

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gw 14

Calaxy

Listas

npna

BLAST is an embarrassingly parallel program – it's our only tool that uses the grid.

Photo by Soichi Hayashi. National Center for Genome Analysis Support: http://ncgas.org



The Game Plan

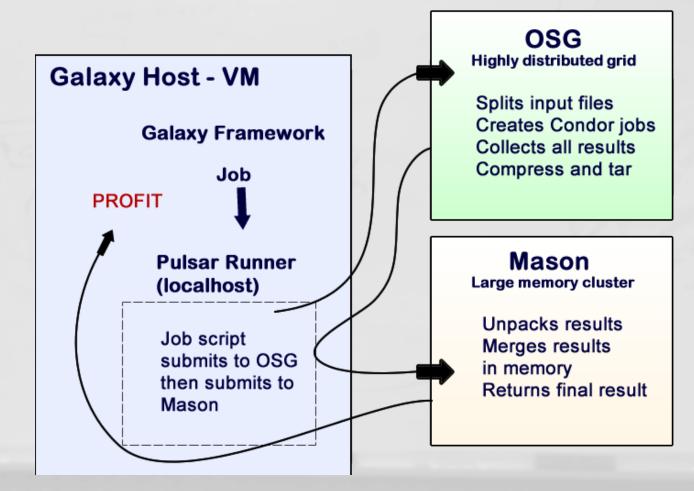
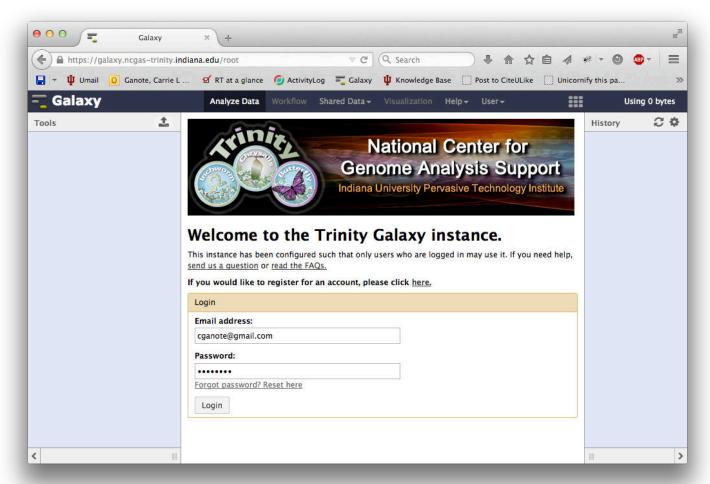


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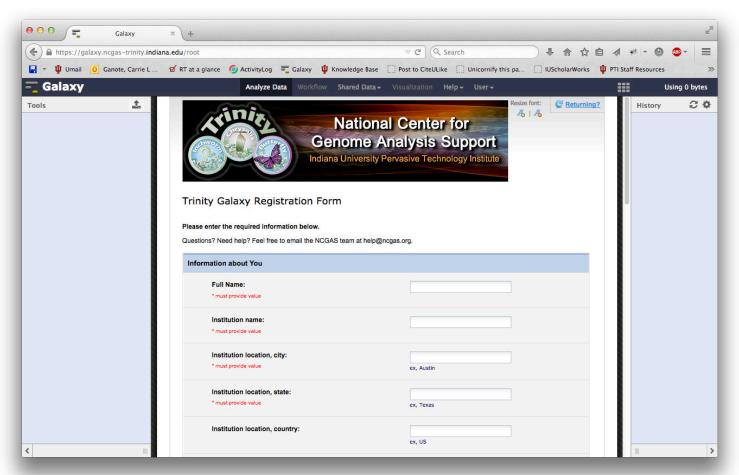


Trinity Galaxy

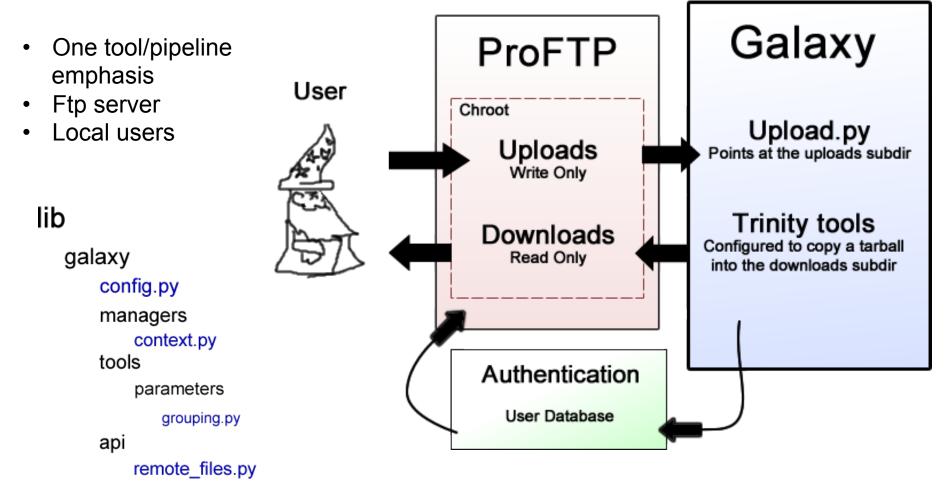




Trinity Galaxy



Trinity Galaxy





Challenges

Job Runners:

- PBS still breaks with Torque 4x
 - Seems to have trouble interacting with the dynamic runner
- Drmaa one destination possible?
- Dev servers are always somehow different than production!

Future Goals

- Trinity needs some more guinea pigs!
 Sign up now!
- IU Galaxy still needs to be moved to Github
- OSG-BLAST is still in beta



Guinea Pig by Peter Griffin



Fín (for real)

Open Science Grid

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