2014 Galaxy Community Questionnaires

GalaxyAdmins February 2015 Meetup

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Galaxy Project, Johns Hopkins University

Galaxy Team
### Galaxy Community Questionnaires: Who took them

#### Users

<table>
<thead>
<tr>
<th>Category</th>
<th>Responses</th>
</tr>
</thead>
<tbody>
<tr>
<td># Responses</td>
<td>127</td>
</tr>
<tr>
<td># who use main</td>
<td>108</td>
</tr>
<tr>
<td># using APIs</td>
<td>11</td>
</tr>
</tbody>
</table>

#### Dev / Admin

<table>
<thead>
<tr>
<th>Category</th>
<th>Responses</th>
</tr>
</thead>
<tbody>
<tr>
<td># Responses</td>
<td>28</td>
</tr>
<tr>
<td># integrate tools</td>
<td>27</td>
</tr>
<tr>
<td># who admin</td>
<td>26</td>
</tr>
<tr>
<td># extend Galaxy</td>
<td>13</td>
</tr>
<tr>
<td># CloudMan</td>
<td>7</td>
</tr>
</tbody>
</table>
Fields / Backgrounds: Using and Dev / Admin

- Biology: 74%
- Bioinformatics: 32%
- Medicine: 10%
- Computer science: 9%
- Other: 5%

Bioinformatics
- Biology: 36%
- Computer science: 32%
- Other: 14%
- Medicine: 4%
Using: Which Galaxy Servers do you use & how often?

- **usegalaxy.org**: Frequently
- **Other Public**: Occasionally
- **My Institution's**: NA (default)
- **Personal / Group**: NA (default)
- **Inside Virtual Appliance**: NA (default)
- **Pers / Grp on Cloud**: NA (default)

- **Didn't even know about this!**: Usegalaxy.org
- **Never**: Other Public, My Institution's, Personal / Group, Inside Virtual Appliance, Pers / Grp on Cloud
Using: Where do you look for answers about using Galaxy?

- Galaxy Biostar
- Wiki
- Galaxy Web Searches
- Screencasts
- Mailing Lists
- Local Support
- Events
- Galaxy-Bugs email
- Trello Board
- IRC

Options:
- Frequently
- Occasionally
- Never
- Didn't know about
- NA (default)
- NA (no answer)
Using: Which Galaxy features do you use & how often?

- **Data Analysis**: Frequently
- **Workflows**: Frequently
- **Learn, experiment**: Frequently
- **Visualization**: Frequently
- **Share, publish collab.**: Frequently
**Using: Training**

**What types of training should the Galaxy Project offer?**

- **Basic Usage**: 76%
- **Adv Domain-Specific Use**: 69%
- **Using Galaxy thru APIs**: 34%
- **Other**: 1%

**Which "Advanced Domain-Specific Usage" areas interest you the most?**

- **RNA-Seq**: 60%
- **Genome Annotation**: 40%
- **Visualization**: 40%
- **Metagenomics**: 37%
- **ChIP-Seq**: 36%
- **Assembly**: 29%
- **Variation**: 24%
- **GWAS**: 18%
- **Phylogeny**: 15%
- **Proteomics**: 14%
- **Other**: 8%
Using: Where would you like to see the Galaxy Project offer Training?

- GCC Training Day: 9%
- Regional Galaxy-centric events: 8%
- Other conferences & meetings: 13%
- My institution: 26%
- Online, live: 38%
- Online, follow at your own pace: 51%
- Other: 3%
Dev / Admin: Respondents

- # Responses: 28
- # integrate tools: 27
- # who admin: 26
- # extend Galaxy: 13
- # CloudMan: 7
Dev / Admin: Where do you look for answers?

- Wiki
- Galaxy-Dev Mailing List
- Galaxy Web Searches
- Trello Board
- Galaxy Biostar
- Galaxy Events
- Local Support
- Galaxy-Bugs Email
- IRC
- Screencasts
- Deployment Catalog
- Community Log Board

Options:
- Frequently
- Occasionally
- Never
- Didn't know about
- NA (default)
- NA (no answer)
Dev / Admin: Feature Priorities

- **Storage Mgmt**
  - Very important: 75%
  - Above avg: 25%
  - Average: 0%
  - Below avg: 0%

- **Cluster Integration**
  - Very important: 75%
  - Above avg: 25%
  - Average: 0%
  - Below avg: 0%

- **User Metrics**
  - Very important: 75%
  - Above avg: 25%
  - Average: 0%
  - Below avg: 0%

- **Auth & Billing**
  - Very important: 75%
  - Above avg: 25%
  - Average: 0%
  - Below avg: 0%
Dev / Admin: What types of admin and developer training should the Galaxy Project offer?

- Deploy/Admin General: 54%
- Defining Tools: 54%
- Admin w/ API: 50%
- Deploy/Admin Clusters: 50%
- Extend Galaxy w custom code: 50%
- Deploy/Admin Cloud: 25%
- Other: 0%
**Dev / Admin**: Where would you like to see the Galaxy Project offer training?

<table>
<thead>
<tr>
<th>Event Type</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>GCC Training Day</td>
<td>46%</td>
</tr>
<tr>
<td>Regional Galaxy-centric events</td>
<td>54%</td>
</tr>
<tr>
<td>Other conferences &amp; meetings</td>
<td>18%</td>
</tr>
<tr>
<td>My institution</td>
<td>14%</td>
</tr>
<tr>
<td>Online, live</td>
<td>39%</td>
</tr>
<tr>
<td>Online, follow at your own pace</td>
<td>61%</td>
</tr>
<tr>
<td>Other</td>
<td>0%</td>
</tr>
</tbody>
</table>
Deployments: Storage, TB

<table>
<thead>
<tr>
<th>Storage Range</th>
<th># Respondents</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5-3</td>
<td>7</td>
</tr>
<tr>
<td>4-9</td>
<td>1</td>
</tr>
<tr>
<td>10-19</td>
<td>3</td>
</tr>
<tr>
<td>20-49</td>
<td>4</td>
</tr>
<tr>
<td>50-99</td>
<td>4</td>
</tr>
<tr>
<td>100-149</td>
<td>1</td>
</tr>
<tr>
<td>150-199</td>
<td>0</td>
</tr>
<tr>
<td>200-249</td>
<td>2</td>
</tr>
<tr>
<td>250-299</td>
<td>2</td>
</tr>
<tr>
<td>300+</td>
<td>0</td>
</tr>
</tbody>
</table>
Deployments: Computing Infrastructure

- Standalone server: 43%
- Compute cluster: 36%
- Cloud: 14%
- In transition: 4%
- Other: 4%
Deployments: Did you encounter any major issues when setting up and configuring Galaxy?

![Bar chart showing the percentage of issues encountered in different categories. The categories are:
- Tools: 36%
- Cluster setup: 14%
- FTP: 14%
- Migration: 14%
- Data setup: 11%
- Security: 7%
- Other: 7%
- None: 7%
- NA (default): 4%]
**Deployments:** Did you encounter any major issues when setting up and configuring Galaxy?

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tool definitions</td>
<td>43%</td>
</tr>
<tr>
<td>Capacity</td>
<td>36%</td>
</tr>
<tr>
<td>User history &amp; dataset handling</td>
<td>25%</td>
</tr>
<tr>
<td>Workflow</td>
<td>21%</td>
</tr>
<tr>
<td>Authentication, User, &amp; Job mgmt</td>
<td>11%</td>
</tr>
<tr>
<td>None or minor</td>
<td>11%</td>
</tr>
<tr>
<td>Error handling</td>
<td>7%</td>
</tr>
<tr>
<td>Other user interface</td>
<td>7%</td>
</tr>
<tr>
<td>Other</td>
<td>7%</td>
</tr>
</tbody>
</table>
Tool Definition: Hurdles in the tool development process?

- Functional tests: 57%
- Documentation: 39%
- Toolshed: 21%
- XML syntax: 21%
- Tool data (e.g., ref. genomes): 18%
- Other: 14%
Tool Definition: Do you publish your tools to the Galaxy ToolShed?

- Never: 44%
- Sometimes, but usually not: 19%
- Primarily yes: 37%
Tool Definition: If you do not publish your tools to the Galaxy ToolShed, why not?

- My tools are too specific: 36%
- Don't have time to learn TS process: 18%
- TS dependency mgmt is confusing: 14%
- I use a local TS: 11%
- Other: 11%
- I do not want to support tools: 7%
- Did not know about TS: 4%
- TS interface is confusing: 4%
- I develop commercial tools: 4%
GCC 2015
Galaxy Community Conference
6-8th July 2015
The Sainsbury Laboratory
Norwich, UK
http://gcc2015.tsl.ac.uk/
http://wiki.galaxyproject.org/GalaxyTeam
Galaxy is hiring post-docs and software engineers

Please help.
http://wiki.galaxyproject.org/GalaxyIsHiring
Thanks

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