Roadmap - PollCAT

ICAT F2F - Copenhagen

Frazer Barnsley
October 2016
Outline

- What is PollCAT?
- Current status
- Future developments
What is PollCAT?
What is PollCAT?

• Small Python service that deals with the movement of data

• Watches TopCAT via admin API looking for new download requests

• Watches the IDS to check when the download is ready

• Executes the PollCAT plugin
  – Move / structure data
  – Create accounts
  – Set permissions
### Download

<table>
<thead>
<tr>
<th>Download Name</th>
<th>Transport</th>
<th>Size</th>
<th>Facility</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>dls_2015-10-12_10-57-54</td>
<td>Https</td>
<td>2.21 GB</td>
<td>DIAMOND</td>
<td>ONLINE</td>
</tr>
</tbody>
</table>

Your requested download may have items that are currently unavailable. These items must be restored from tape. Once your download is submitted, please check your Download Order periodically for download status. When the status is "COMPLETE", you can initiate the download of your files. It is recommended that you enter your email below so you will be notified when your download can be initiated.

Email me when download is ready

frazer.barnsley@stfc.ac.uk

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```
"downloadTransportTypes": [  
  {  
    "type": "https",  
    "default": true,  
    "url": "https://ids01-url/"  
  },  
  {  
    "type": "cluster",  
    "url": "https://ids02-url/"  
  }
],
```

`topcat.json` -->
Current Status
Current Status

• 2 plugins created
  – Globus
  – SCARF cluster*

• 1 more plugin on the way

https://github.com/frazzleuk/pollcat
Future Developments
Future Developments

- Formalise the code / documentation
- Use ICAT getLink
- Multi-threading