

caArray 071 - Checking if I am actually on caGrid sharing my microarray data

Question: How do I check if I am actually on caGrid sharing my microarray data?

Topic: caArray Usage

Release: Up to caArray 2.x

Date entered: 10/18/2010

Details about the Question

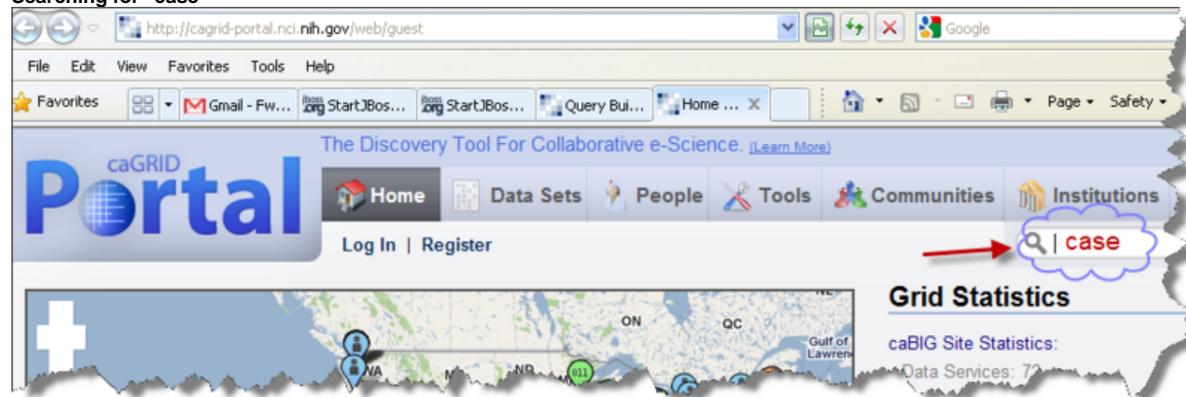
I installed caArray and was able to create the experiment and import the data files successfully. How do I check if I am actually on caGrid sharing my microarray data?

Answer

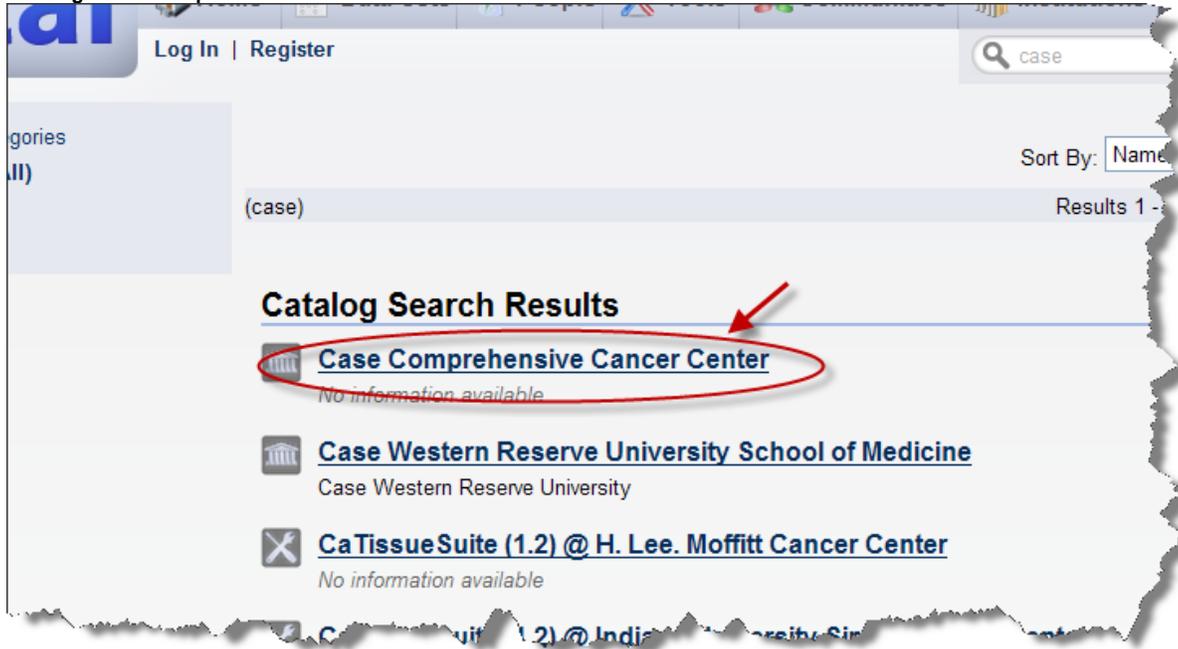
You can follow these steps to check whether the data you loaded into your caArray is on the caGrid portal.

Step 1: Open the [caGrid Portal](#). In the Search box, find your institution by performing a keyword search. For example, type in "case" to find "Case Comprehensive Cancer Center." When the page with your search result opens, click the link to your institution. In this example, click "Case Comprehensive Cancer Center", see screen shot 2.

Searching for "case"



Clicking "Case Comprehensive Cancer Center"



Step 2. When a list of caArray services opens, click one link to query for the service. In this example "CaArraySvc (1.2)@ Case Comprehensive Cancer Center" was selected. On the resulting page, scroll down to the bottom of the page and click the "Query" button.

Selecting a service to query



Clicking the Query button

The screenshot shows a web interface with two main sections: "Related Datasets" and "Related Tools".

- Related Datasets:** Contains a card for "caArray Internal" with a small icon of a grid. The text below the icon reads "CaArraySvc (1.2) @ CWRU Gene Expression Core supports caArray Internal." and "Asserted by caGrid Portal on Sep 20, 2010 1:35:56 PM".
- Related Tools:** Contains a card for "CaArraySvc (1.2) Interface" with a small icon of a square with a plus sign. The text below the icon reads "CaArraySvc (1.2) @ CWRU Gene Expression Core implements CaArraySvc (1.2) Interface" and "Asserted by caGrid Portal on Sep 20, 2010 1:35:56 PM".

At the bottom center of the interface, there is a button labeled "Query". This button is circled in red, and a red arrow points to it from the right side of the image.

Step 3: Click the name of an object that you want to query. In this case, click on "edu.georgetown.pir.Organism". Then click the "Submit Query" button.

Selecting an object to query

The screenshot shows the "Query Builder" tool interface. At the top, there are four tabs: "Select UML Class", "Query", "History", and "Results". The "Query" tab is currently selected.

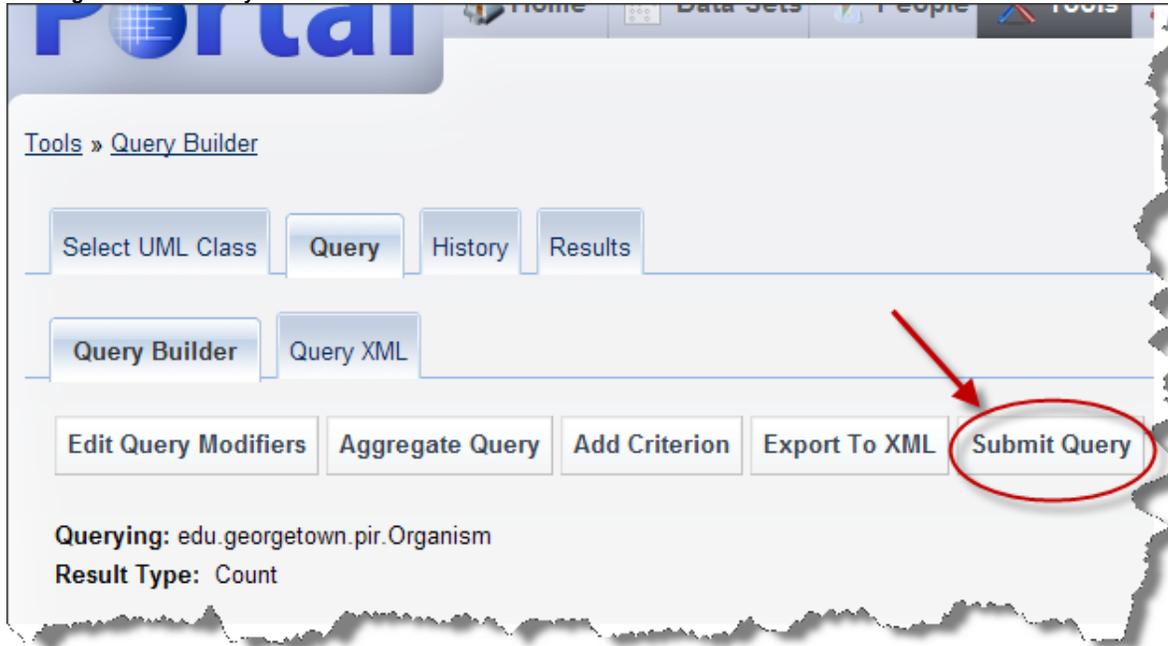
Below the tabs, there is a "Service URL:" label followed by a text input field containing the URL "http://hydra.case.edu:18080/wsrf/services/cagrid/CaArray" and a "Select" button to its right.

Below the URL field, there is a list of UML class names:

- [edu.georgetown.pir.AdditionalOrganismName](#)
- [edu.georgetown.pir.Organism](#)
- [gov.nih.nci.caarray.domain.AbstractCaArrayEntity](#)
- [gov.nih.nci.caarray.domain.AbstractCaArrayObject](#)
- [gov.nih.nci.caarray.domain.array.AbstractDesignElement](#)
- [gov.nih.nci.caarray.domain.array.AbstractProbe](#)
- [gov.nih.nci.caarray.domain.array.AbstractProbeAnnotation](#)

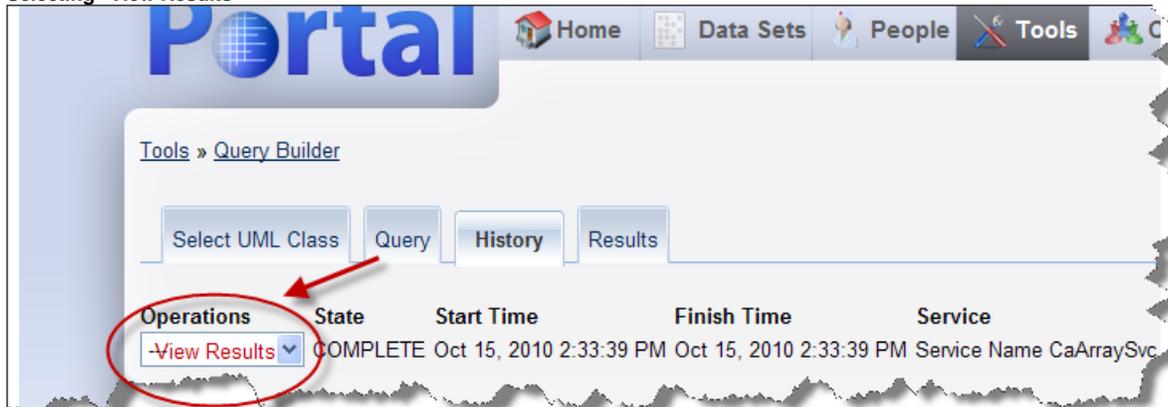
The class name "edu.georgetown.pir.Organism" is circled in red, and a red arrow points to it from the right side of the image.

Clicking the Submit Query Button

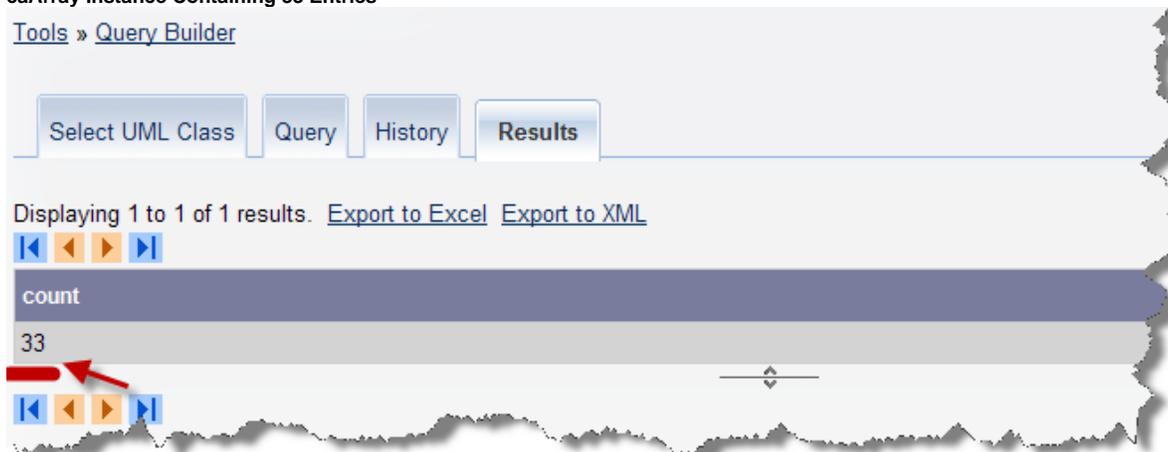


Step 4: On the next page, wait until the status is updated to "COMPLETE". Then select "View Results" from the "Operations" dropdown box. If your data is on the caGrid, you will see the query result for your chosen object. In this example, the caArray instance contains 33 edu.georgetown.pir.Organism entries.

Selecting "View Results"



caArray Instance Containing 33 Entries





Additional Information

The POC of your services should be the contact person from your institution. This information is intended to allow grid support personnel to contact you in the event that your service is not working. This can be changed by editing the serviceMetadata.xml file in the JBoss4.0.4 directory (the full path is shown below. The POC information is at the bottom of the file), followed by a restart of your service.

```
<jboss4.0.4>/service/default/deploy/wsrf.war/WEB-INF/etc/cagrid_CaArraySvc/serviceMetadata.xml
```

Have a comment?

Please leave your comment in the [caArray End User Forum](#).