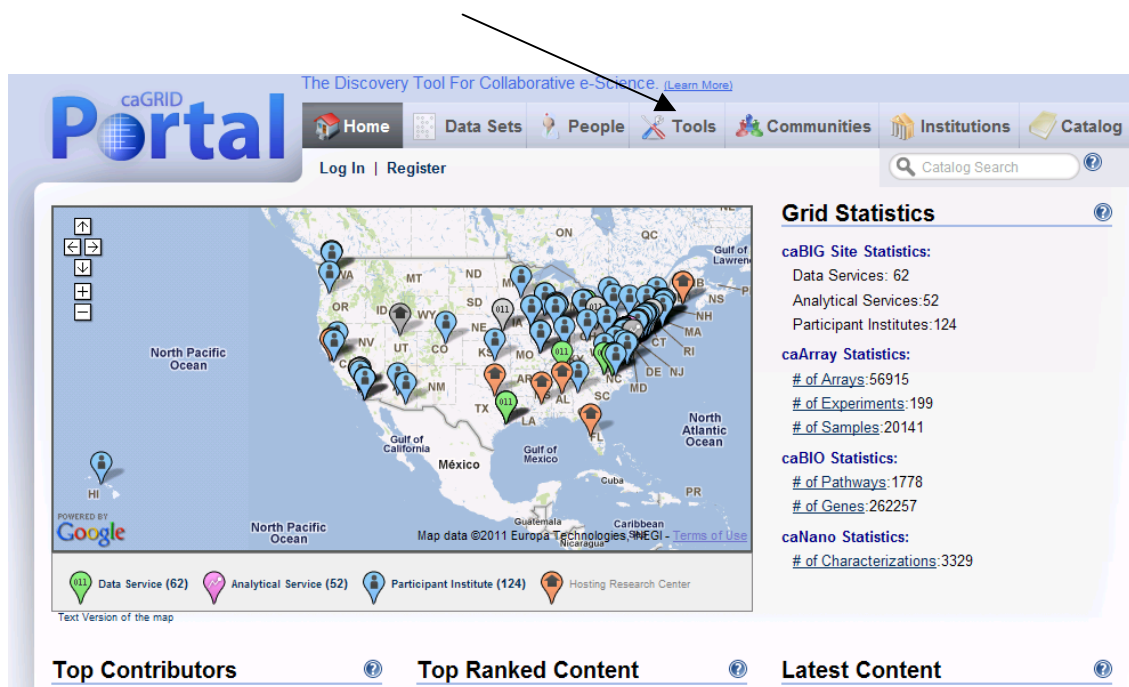




caGrid Portal Procedure

The [caGrid Portal](http://cagrid-portal.nci.nih.gov/web/guest/home) is a web based application to discover and interact with the services that are available on the caGrid infrastructure. You can navigate from the link above, or type " <http://cagrid-portal.nci.nih.gov/web/guest/home>" into your web browser to get to the page shown below.

Select the **Tools** tab at the top of the screen.



The screenshot shows the caGrid Portal interface. At the top, there is a navigation menu with tabs: Home, Data Sets, People, Tools (selected), Communities, Institutions, and Catalog. Below the navigation menu, there is a search bar labeled "Catalog Search" and a "Log In | Register" link. The main content area features a map of the United States with numerous location pins. A legend below the map indicates the following counts: Data Service (62), Analytical Service (52), Participant Institute (124), and Hosting Research Center. To the right of the map, there is a "Grid Statistics" section with the following data:

- caBIG Site Statistics:**
 - Data Services: 62
 - Analytical Services: 52
 - Participant Institutes: 124
- caArray Statistics:**
 - # of Arrays: 56915
 - # of Experiments: 199
 - # of Samples: 20141
- caBIO Statistics:**
 - # of Pathways: 1778
 - # of Genes: 262257
- caNano Statistics:**
 - # of Characterizations: 3329

At the bottom of the page, there are three sections: "Top Contributors", "Top Ranked Content", and "Latest Content".



Users will easily locate the catalog data and focused area of data on the left side of the page. Listed under **Catalog Type (All)** or **Area of Focus (All)**. Selecting the **Data Services** will allow quicker access to the selected data.

The Discovery Tool For Collaborative e-Science. [\(Learn More\)](#)

caGRID Portal

Home | Data Sets | People | Tools | Communities | Institutions | Catalog

Log In | Register

Catalog Search

Sort By: Name

>>All Results 1 - 10 of 230

Featured Catalog Entries

- caBIO Portlet**
The caBIO Portlet is a portal user interface built on top of the caBIO APIs. ...
- Service Diagnostics Portlet**
Service Diagnostics Portlet to diagnose problems with grid service deployment...

Catalog Search Results

- AIM3DataService (1.3) @ MAASTRO**
No information available
- AIM3DataService (1.3) @ MAATG**
No information available
- AIM3DataService (1.3) Interface**
No information available

After selecting the specified Service, the page will display the actual URL for the UML list of subclass data links and a direct “Query” option button (*example below*).

[Back to Results](#)

CaArraySvc (1.1) @ Robert H. Lurie Comprehensive Cancer Center

This is the caArray grid service.

☆☆☆☆☆

URL <http://cagrid.bioinformatics.northwestern.edu:18080/wsr/services/cagrid/CaArraySvc>

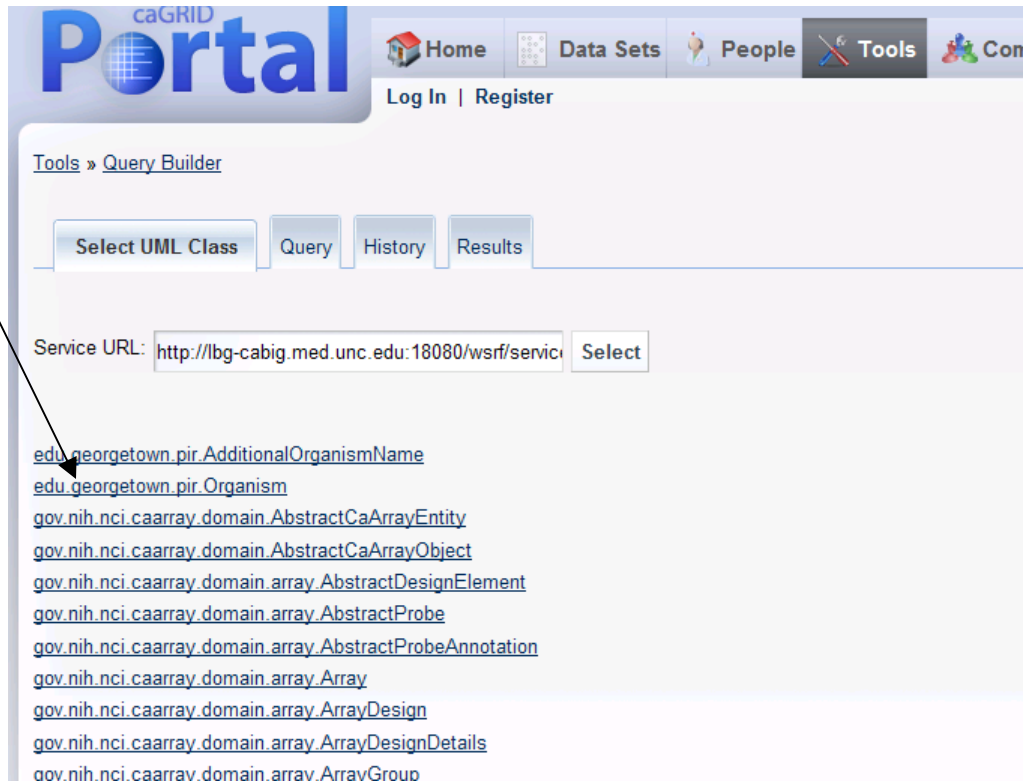
Status ACTIVE

Notifications Please [sign in](#) to set Notifications for this service.

Service Contexts [+](#) CaArraySvc



Select the interested UML subclass data set (example below)



caGRID Portal

Home Data Sets People Tools Com

Log In | Register

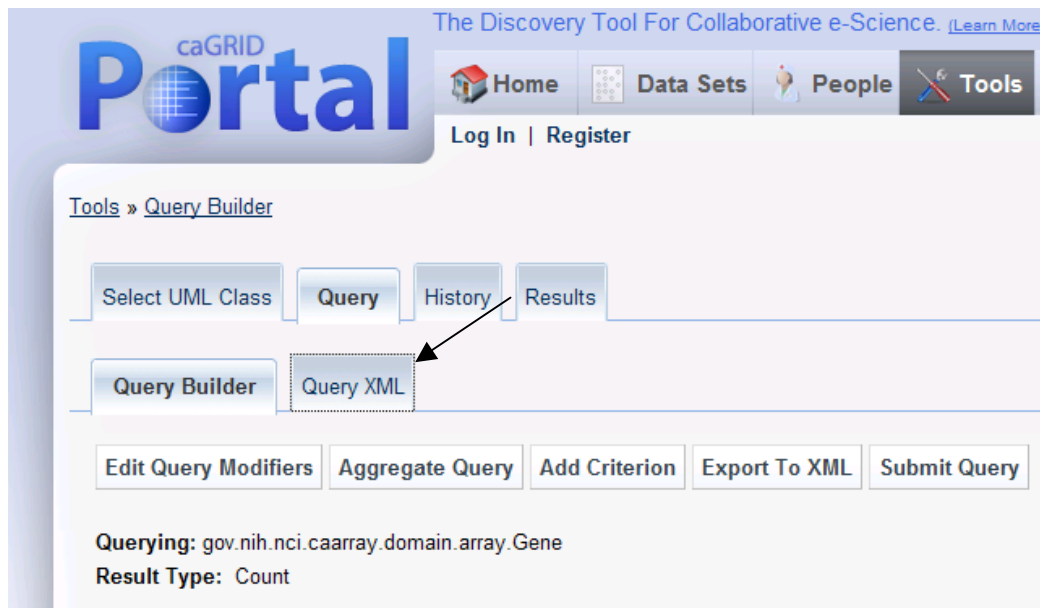
Tools » Query Builder

Select UML Class Query History Results

Service URL: Select

- [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](#)
- [gov.nih.nci.caarray.domain.array.Array](#)
- [gov.nih.nci.caarray.domain.array.ArrayDesign](#)
- [gov.nih.nci.caarray.domain.array.ArrayDesignDetails](#)
- [gov.nih.nci.caarray.domain.array.ArrayGroup](#)

Click **Query XML** tab to view and/or edit the intended data.(example below)



caGRID Portal

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Home Data Sets People Tools

Log In | Register

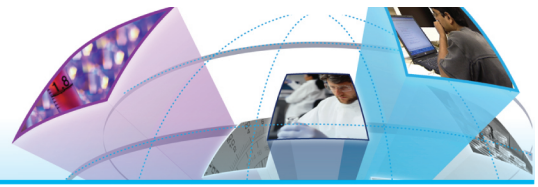
Tools » Query Builder

Select UML Class **Query** History Results

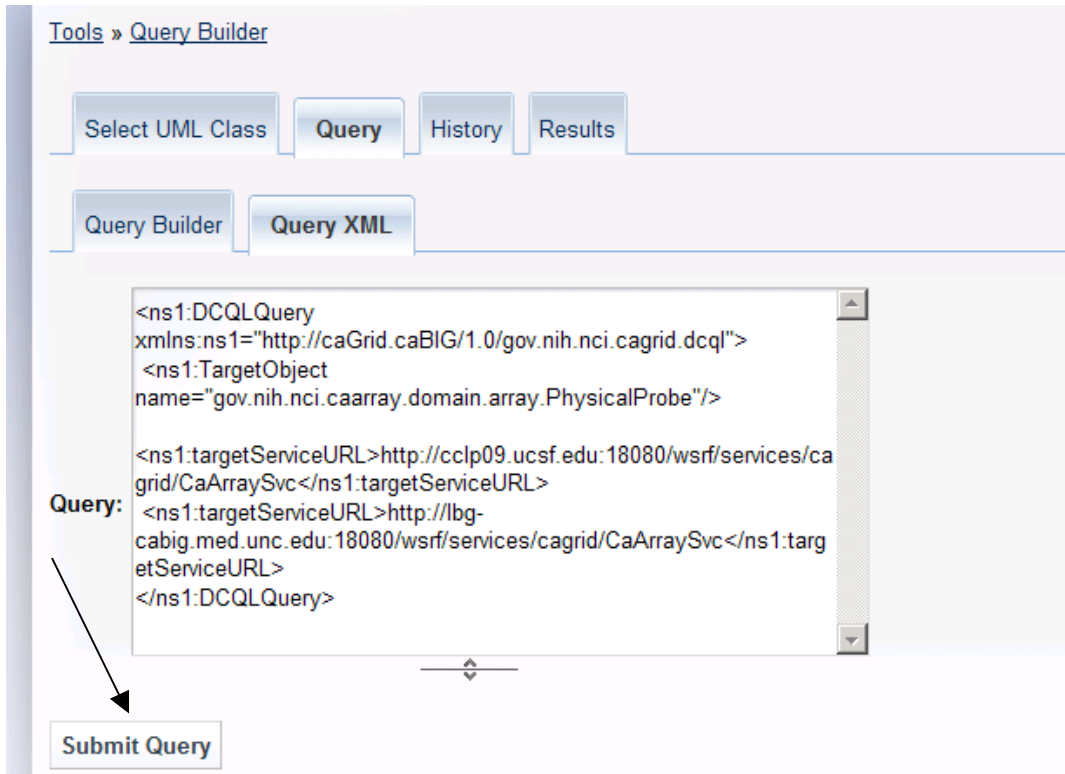
Query Builder Query XML

Edit Query Modifiers Aggregate Query Add Criterion Export To XML Submit Query

Querying: gov.nih.nci.caarray.domain.array.Gene
Result Type: Count



When prepared to view data, select the **Submit Query** button. The application will process your request and display the requested data. (*example below*)



The screenshot shows the 'Query Builder' interface. At the top, there are navigation buttons: 'Select UML Class', 'Query', 'History', and 'Results'. Below these are two tabs: 'Query Builder' and 'Query XML'. The 'Query XML' tab is active, displaying an XML query in a text area. The query is as follows:

```
<ns1:DCQLQuery
xmlns:ns1="http://caGrid.caBIG/1.0/gov.nih.nci.cagrid.dcql">
  <ns1:TargetObject
name="gov.nih.nci.caarray.domain.array.PhysicalProbe"/>

  <ns1:targetServiceURL>http://cclp09.ucsf.edu:18080/wsrf/services/ca
grid/CaArraySvc</ns1:targetServiceURL>
  <ns1:targetServiceURL>http://lbg-
cabig.med.unc.edu:18080/wsrf/services/cagrid/CaArraySvc</ns1:targ
etServiceURL>
</ns1:DCQLQuery>
```

An arrow points from the label 'Query:' to the text area. Below the text area is a 'Submit Query' button.