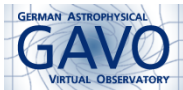


A New Web-Based Interface to the Relational Registry

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Relational Registry “RegTAP”

- Markus Demleitner et al.: IVOA working draft at <http://www.ivoa.net/documents/RegTAP/>
- RegTAP talk on **Thu, May 16, 14:00-14:20, Room 106** by Markus
- interface for **searching registries**: a complete rewrite based on TAP
 - ▶ RegTAP consists of **13 official tables** and
 - ▶ **three ADQL user-defined functions** for pattern matching and string comparison

➡ let's provide a user interface to the relational registry
browsing the VO for resource records

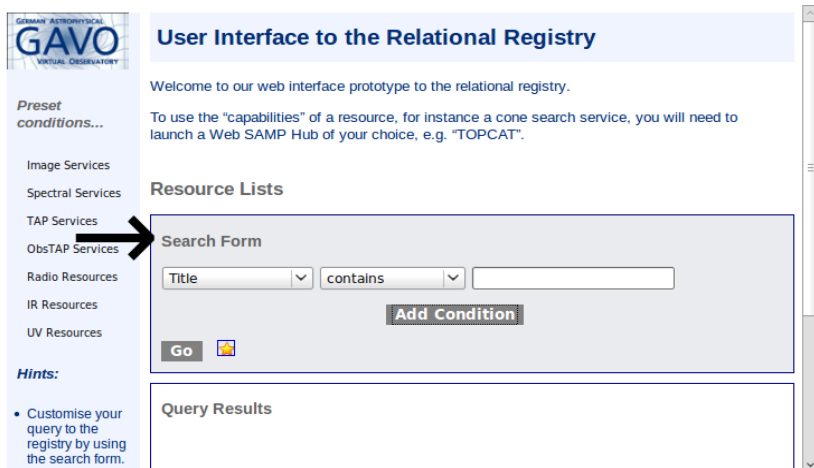
Our Predecessors: “VODesktop” and “Ravioli”

- lead developer: Noel Winstanley (University of Manchester)
- **VODesktop**: GUI for access to VO services
 - ▶ includes several graphical clients: for VO positional search protocols, for ADQL queries, ...
- **Ravioli**: rich web-based browser for the VO Registry
- both tools are not being developed and maintained anymore

➔ our new interface has been inspired by VODesktop

Basic Features of Our Web Interface

- heart of the web interface is a **search form** which allows for entering complex queries



The screenshot displays the 'User Interface to the Relational Registry' web page. On the left is a navigation sidebar with the GAVO logo and a list of services: Image Services, Spectral Services, TAP Services, ObsTAP Services, Radio Resources, IR Resources, and UV Resources. A black arrow points from 'ObsTAP Services' to the search form. Below the services is a 'Hints' section with a bullet point: 'Customise your query to the registry by using the search form.' The main content area has a title 'User Interface to the Relational Registry', a welcome message, and a paragraph explaining the need for a Web SAMP Hub. Below this is a 'Resource Lists' section containing a 'Search Form'. The search form includes a dropdown menu with 'Title' selected, a second dropdown with 'contains', and an empty text input field. A button labeled 'Add Condition' is positioned below the input field. At the bottom left of the search form is a 'Go' button and a star icon. Below the search form is a 'Query Results' section, which is currently empty.

Basic Features of Our Web Interface

- our interface allows for registration at a **SAMP Hub** in order to send resources to other SAMP-capable clients

GERMAN ASTRONOMICAL
GAVO
VIRTUAL OBSERVATORY

User Interface to the Relational Registry

Welcome to our web interface prototype to the relational registry.

To use the "capabilities" of a resource, for instance a cone search service, you will need to launch a Web SAMP Hub of your choice, e.g. "TOPCAT".

Resource Lists

Search Form

Waveband is UV

Add Condition

Go ★

- ▶ POLLUX Database [SSA](#) [WEB](#) [SSA](#) [Contact Info](#)
- ▶ Be Stars Spectra [WEB](#) [SSA](#) [Contact Info](#)
- ▶ Be Stars Catalog [WEB](#) [SSA](#) [Contact Info](#)

Register at SAMP Hub

Preset conditions...

- Image Services
- Spectral Services
- TAP Services
- ObsTAP Services
- Radio Resources
- IR Resources
- UV Resources

Hints:

- Customise your query to the registry by using the search form.
- Populate the form by using preset conditions from the sidebar.
- Launch a Web SAMP Hub of your choice to send resources to other SAMP-capable clients.

DEMO

Conclusion and Outlook

- pre-alpha version of our web interface available at <http://dc.g-vo.org/portal/q/ui>
- interface allows for browsing the relational registry in order to retrieve resource records of your interest
- interface provides SAMP capability
- we still have to:
 - ▶ name our web interface
 - ▶ improve the display for the search results (“paging”, i.e. let our users browse through pages which display **n** resource records each)
 - ▶ make sure that errors and warnings spit out by other SAMP clients will be displayed on our webpage
 - ▶ improve the documentation and to add a help menu

➡ we are very grateful for any kind of feedback, comments and reviews!



M. Demleitner et al.: IVOA Registry Relational Schema, Version 1.0, IVOA Working Draft (2013-04-11)

<http://www.ivoa.net/documents/RegTAP/>



F. Rothmaier and M. Demleitner: A New Web Interface to the Relational Registry <http://dc.g-vo.org/portal/q/ui>



VODesktop <http://www.astrogrid.org/vodesktop.html>



Ravioli – Web-based Registry Browser <http://code.google.com/p/ravioli>.