

Checking your VESPA service

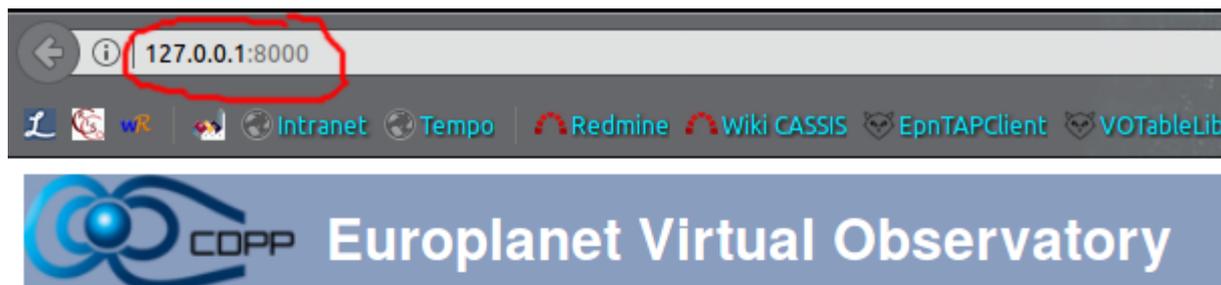
There are several ways to test your services hosted on your local DaCHS server. Here is a quick guide for this.

- 1 [With a web browser](#)
- 2 [With TOPCAT](#)
- 3 [With PGAdmin](#)
- 4 [With the VESPA client](#)

With a web browser

DaCHS provides a web interface to visualize and query your published tap services.

Open <http://127.0.0.1> (or http://127.0.0.1:<port_number> if you don't use the port 80).



Welcome to this data center. The operators have not yet customized their root.html template, which is why you're reading this template text.

In addition to the services listed below, on this site you probably can access [numerous tables](#) using [TAP](#) or [form-based ADQL](#).

Please check out our [site help](#).



Services available here

By Title

By Subject

Note: Several links may not be updated : refresh with `ctr+F5`, or even open a private session (`Ctrl + Maj + P` on Firefox).

You can check service metadata by clicking on the [numerous tables](#) link.

Or/and click on the link [form-base ADQL](#) (also accessible from the sidebar) and type an SQL query, for instance (replace "transplanet" by your actual service name):

```
select top 10 * from transplanet.epn_core
```

ADQL Query

Help
Service info

Related
Tables available for ADQL
Metadata

Identifer
vos:datap_..._system_..._id

Cite this
Advise on citing this resource

Description
An endpoint for submitting...

Keywords
Virtual observatory

Creator
[...]

Created
2008-09-20T12:00:00Z

Data updated
2017-05-10

Reference URL
[Service info](#)

Try ADQL to query our data.

Parameters

- ADQL query: select top 5 * from amdadb.epn_core

Result

Matched: 5

Send via SAMP Quick Plot

Query result probably incomplete due to the match limit kicking in. Queries not providing a TOP clause will be furnished with an automatic TOP 2000 by the machinery, so adding a TOP clause with a higher number may help.

Granule_uid	Granule_gid	Obs_id	Dataproduct_type	et_prot	Target_name	Target_class	Time_min [d]	Time_max [d]	Time_sampling_step [s]
clust3-rap-pp-00394-cdf	cdf	clust3-rap-pp-00394			Earth#Sun planet#interplanetary_medium		2452331.5	2452331.5	
clust3-rap-pp-00395-cdf	cdf	clust3-rap-pp-00395			Earth#Sun planet#interplanetary_medium		2452332.5	2452332.5	
clust3-rap-pp-00396-cdf	cdf	clust3-rap-pp-00396			Earth#Sun planet#interplanetary_medium		2452333.5	2452333.5	
clust3-rap-pp-00397-cdf	cdf	clust3-rap-pp-00397			Earth#Sun planet#interplanetary_medium		2452334.5	2452334.5	
clust3-rap-pp-00398-cdf	cdf	clust3-rap-pp-00398			Earth#Sun planet#interplanetary_medium		2452335.5	2452335.5	

With TOPCAT

TOPCAT is an interactive graphical viewer and editor for tabular data and can be used to visualize an query your published services. It is supported on all OS and can be downloaded [here](#).

1/ Click on the *Open new table* button on the icon menu:

TOPCAT

File Views Graphics Joins Windows VO Interop Help

Table List

Current Table Properties

Label:

Location:

Name:

Rows:

Columns:

Sort Order:

Row Subset:

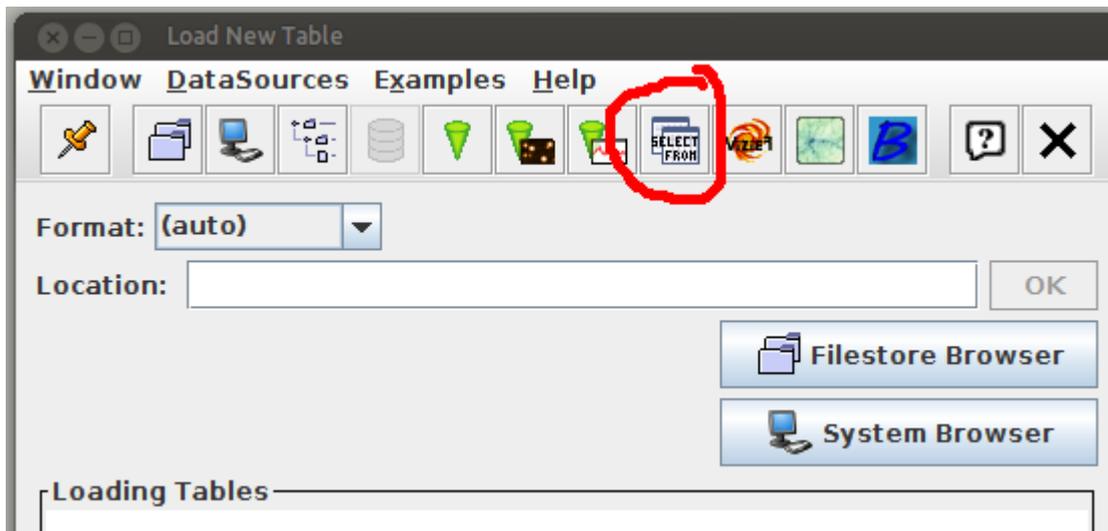
Activation Action: Broadcast Row

SAMP

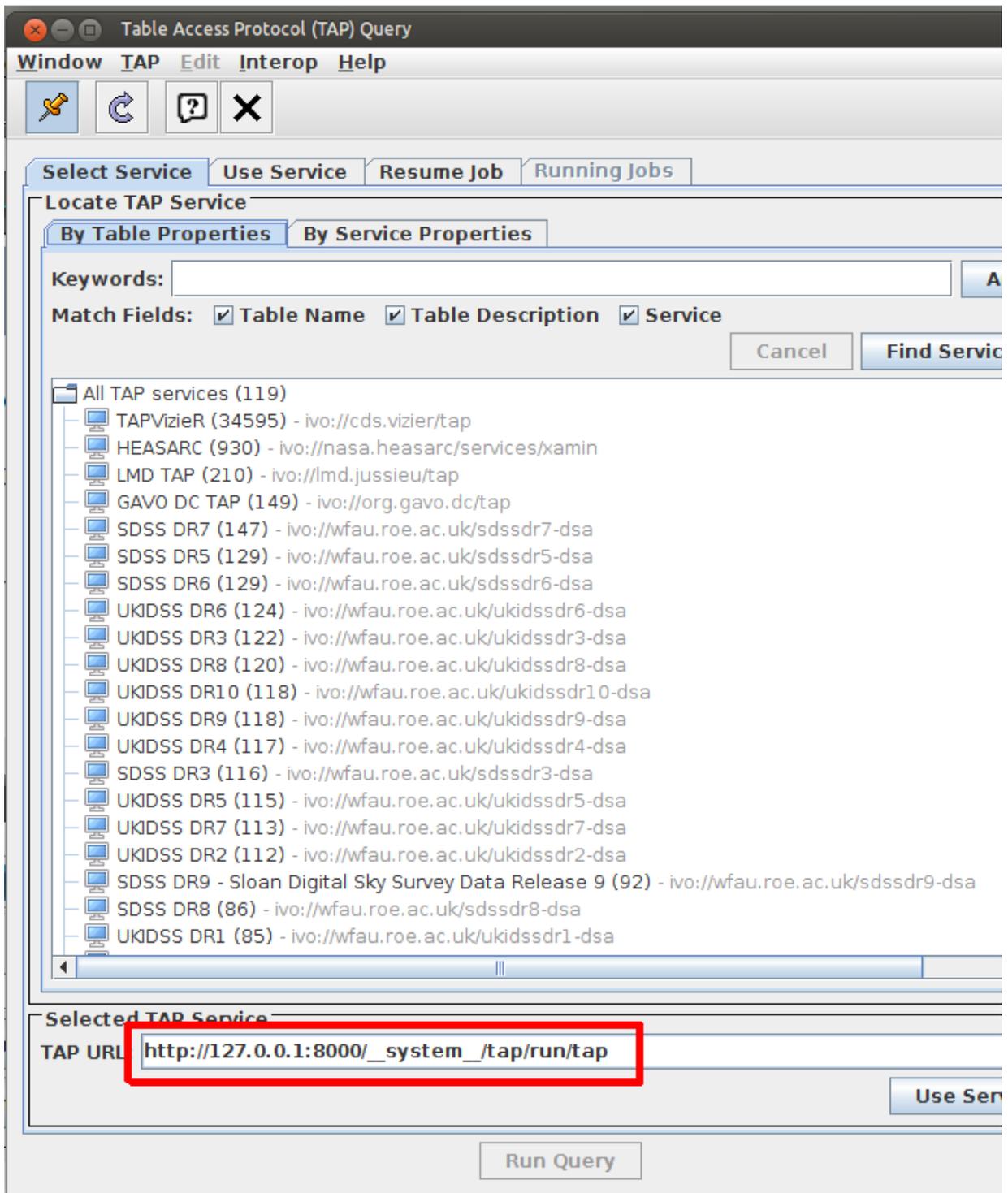
Messages:

Clients:

2/ On the new window, click on *Query remote databases using sql-like language* button on the icon menu:

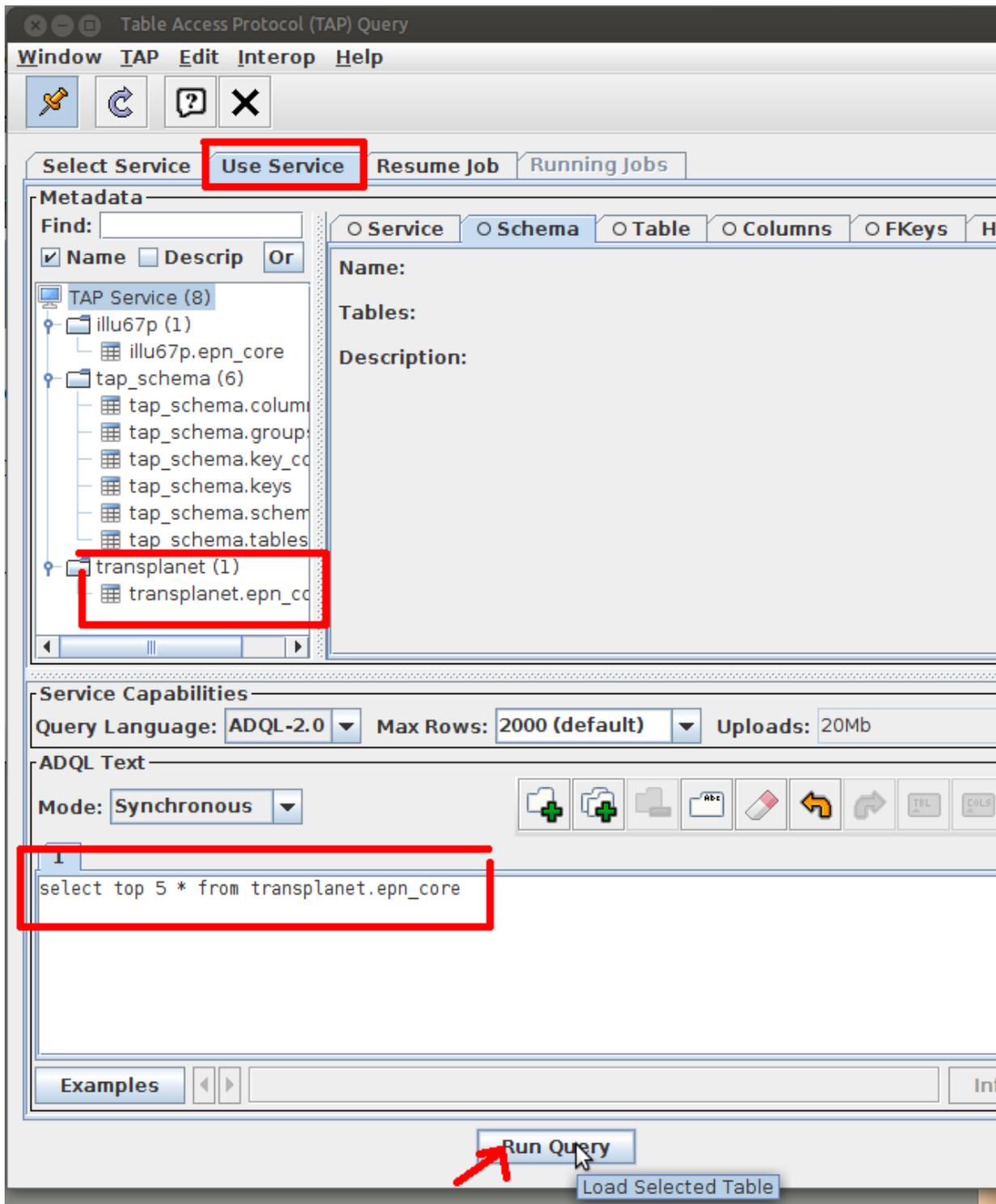


3/ From the *Select service* tab, fill the TAP URL field (on the bottom) with http://127.0.0.1/__system__/tap/run/tap (or http://127.0.0.1:<port_number>/__system__/tap/run/tap) and click on *Use service* button:

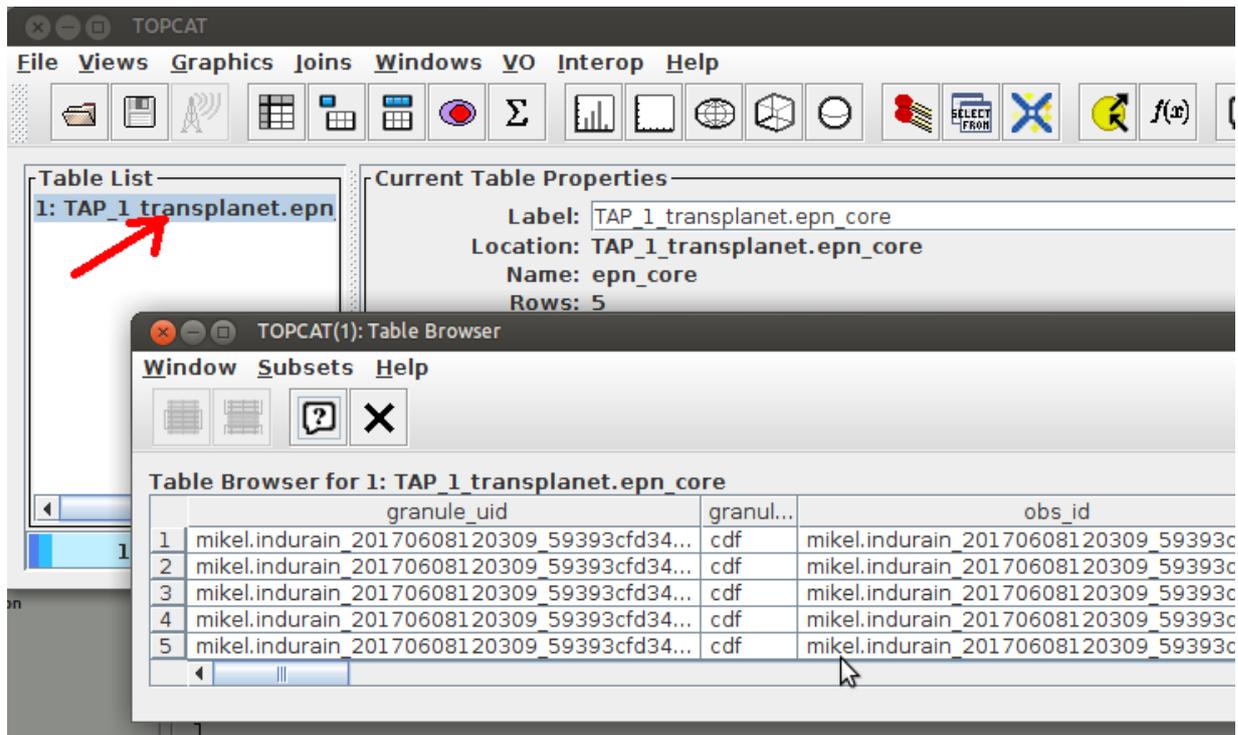


4/ Take a look to the DaCHS tables: do you see the <service_name>.epn_core table? Good. Now try to type an ADQL query on the bottom field, for example (again):

```
select top 10 * from transplanet.epn_core
```



5/ On the new window, click on the last element of the left panel : you can now visualize the results of your query.



With PGAdmin

Installation

[pgAdmin](#) is a PostgreSQL client, it aims to provide a graphical interface to view and manage your databases. We will use this tool on section Setting up an EPN-TAP service. If you don't want to install pgAdmin on your computer, you can however use psql commands instead.

First, install pgAdmin **on your host machine**. If you are on Debian based distribution:

```
sudo apt-get install pgadmin3
```

Compiled sources are also available for [MacOS](#) and [Windows](#).

i You need pgAdmin v. 1.20 or upper in order to deal with PostgreSQL 9.4. Once installed, check pgadmin version (Help menu, About).

Configuration

Check for the gavo user password by typing on the DaCHS server:

```
cat /var/gavo/etc/feed
```

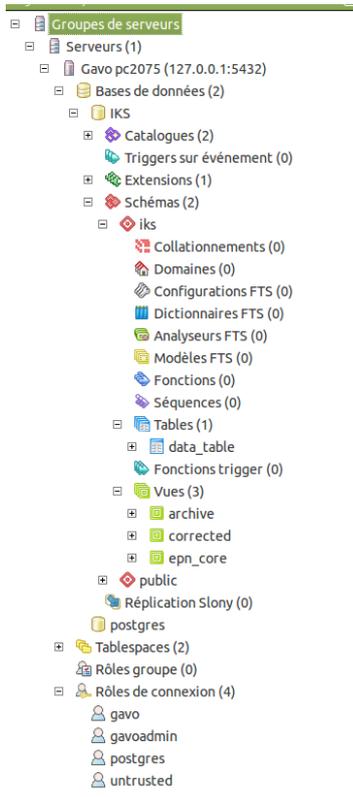
Now start pgAdmin, then click on *Add a connection to a server* (power socket icon) and fill the fields as the following:

	Test	Production	Comment
Name	DaCHS-test	DaCHS	As you want
Host	127.0.0.1:<port_number>	<<my_server>>.<<my_domain>>	
TCP port	5433		
Service			leave empty
Base maintenance	postgres		
Use name	gavoadmin		
password	*****		Get it with the command above

save password	yes	As you want
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Usage

Now you should be able to see your database:



You can query them by clicking on the "SQL" button on the tool bar.

With the VESPA client

The [VESPA client](#) is a web site that allow you to query epn-tap services.

First scenario: your service **is published** to a registry:

- tab All VO (main page);
- eventually, fill filter fields as your needs (not required);
- then click on Submit;
- click on your service on the list.

Second scenario: your service **is not published** to a registry (but online):

- tab Custom ressource;
- fill the URL field: for instance, http://cdpp-epntap.irap.omp.eu/__system__/tap/run/tap;
- fill the schema field: for instance, transplanet;
- eventually, fill some other filter fields (not required);
- click on your service on the list.

Since the VESPA Client is open-source, it is also possible to download it and run a local instance of the client in order to query your local services. You can contact Cyril Chauvin from OBSPM for further information about how to install it.