

Wide Field Astronomy Unit (WFAU)

TAP services

If I implement 90% of the TAP specification ...

.... but I don't implement the geometric functions

Can I register as a TAP service ?

If I can, then how do I declare the limitation ?

If not – then what *can* I register as ?

Why would I not implement the geometric functions ?

RDBMS that do support the geom() functions

- PostgreSQL
- MySQL

RDBMS that do not support the geom() functions

- SQLServer
- Sybase
- Oracle
- Apache Derby
- HyperSonic
- SQLite
- Hadoop
- BigTable
- AmazonDB
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How critical is geom() for TAP ?

Does RegTap need geom() to work ?

Embedded Derby DB would be ideal for a local registry.

But without the geom() functions,
it can't be registered as a TAP service.

WFAU is currently unable to support geom() functions.

Is our data still useful in the VO ?

If we can't register as TAP ..
then what can we register as ?

If I implement 90% of the TAP specification ...

.... but I don't implement TAP_SCHEMA

Can I register as a TAP service ?

If I can, then how do I declare the limitation ?

If not – then what *can* I register as ?

Why would I not implement TAP_SCHEMA ?

If I have virtual tables that are not listed in the RDBMS system tables.

If I want to limit the visibility of private tables on a per user basis.

If I am using an alternative platform that does not have the standard RDBMS system tables.

TAP_SCHEMA is tightly coupled to the system tables that are provided by the standard RDBMS platforms.

If you are using a standard RDBMS, then TAP_SCHEMA is excellent way to provide access to the metadata.

If you are not, then TAP_SCHEMA is not easy.

How critical is TAP_SCHEMA for TAP ?

What are the alternatives ?

Can we look again at the VOSI/tables and fix the performance issues with large datasets.

One suggestion is an iterative HTTP GET service that lists schema, tables and columns interactively.

What is the minimum level of detail that clients actually need ?

*“resources created in the last two months
with tables with table names that start with 'pi*' that contain
at least one integer column with a UCD that starts with 'M*’”*