TAP-Autocomplete
A Javascript Autocomplete Library for TAP services

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TAP-Autocomplete
Introduction

- Javascript library for TAP/ADQL based Web Interfaces

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TAP-Autocomplete
Overview

- Provide keyword suggestion list & syntax highlighting
- Syntax Highlighting based on a library by Gregory Mantelet (CDS), adql.js
- Triggers on Ctrl + Space (Configurable)
- Attaches to an HTML TextArea or Textfield element

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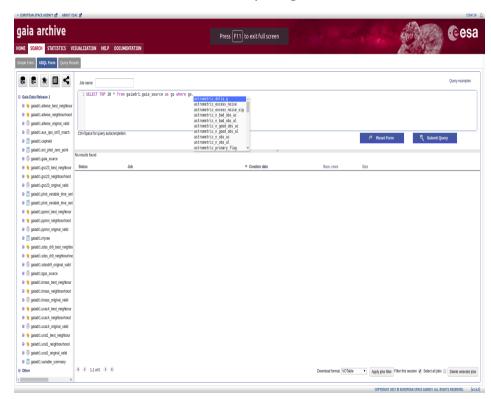## TAP-Autocomplete
Overview

- Different Modes of operation
- Main usage queries TAP_SCHEMA to generate context-specific list of keywords
  - e.g. SELECT .. FROM Schema_name. (Ctrl + space)
    returns list of tables that belong to schema_name
- Depends on Web service to do the TAP requests
- Google Web Toolkit for ESAC/GAIA use case
- VOSI option for loading full metadata on startup (no AJAX requests)

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Implementations

ESAC GAIA Archive - https://gea.esac.esa.int/archive/

WFAU OSA Archive - http://osa.roe.ac.uk

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Future Goals

- Re-usability out of the box

- Remove dependency on service to run the TAP requests
  - All the querying/processing happens in the client
  - Use VOTable.js for TAP sync query? (https://github.com/aschaaff/votable.js)
  - Javascript cross domain request limitations
  - CORS (Cross-origin resource sharing)?

- Extend documentation
  - Clearer Examples/Docs & Class structures

- Improved Context-Awareness

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TAP-Autocomplete
Links

- Code available at: https://github.com/stvoutsin/tap-autocomplete

- Examples available at:
  - https://gea.esac.esa.int/archive/ (Latest Version)
  - http://osa.roe.ac.uk/#dbaccess_SQL_form_div

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Demo

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