voeventdb.remote

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Contents

1 Introduction 3

2 Installation 5

3 Tutorial 7

4 API Reference (apiv0) 9

5 Indices and tables 11

Python Module Index 13

Version 0

Contents:

CHAPTER 1

Introduction

voeventdb.remote is a Python library for performing remote queries against a voeventdb REST interface, like the one hosted by the 4 Pi Sky research group at http://voeventdb.4pisky.org.

You can use this library to quickly and easily retrieve information about transient astronomical events, if that information was sent via the public VOEvent network.

For a fuller introduction, see the main voeventdb introduction. Alternatively, jump right in to the tutorial to learn by example.

CHAPTER 2

Installation

voeventdb.remote is available via PyPi, which means that if you are using a virtualenv then you should be able to simply type:

```
pip install voeventdb.remote
```

at the command line. Alternatively, you can install into your user-area using:

```
pip install --user voeventdb.remote
```

CHAPTER 3

Tutorial

CHAPTER 4

API Reference (apiv0)

class `voeventdb.remote.apiv0.`**`FilterKeys`**

Enumerates valid filters.

Useful for building dictionaries representing filter-sets, eg.:

```
filters = {
    FilterKeys.ivorn_contains: 'GRB',
    FilterKeys.role : 'observation',
}
```

For definitions of the various filters, and examples of valid values, see the voeventdb query-filters page.

`authored_since` = **'authored_since'**

`authored_until` = **'authored_until'**

`cited` = **'cited'**

`cone` = **'cone'**

`coord` = **'coord'**

`ivorn_contains` = **'ivorn_contains'**

`ivorn_prefix` = **'ivorn_prefix'**

`ref` = **'ref'**

`ref_contains` = **'ref_contains'**

`ref_exact` = **'ref_exact'**

`role` = **'role'**

`stream` = **'stream'**

class `voeventdb.remote.apiv0.`**`OrderValues`**

Enumerates valid orderings.

For details see this section in the *voeventdb.server* docs.

`author_datetime` = **'author_datetime'**

`author_datetime_desc` = **'author_datetime_desc'**

`id` = **'id'**

`id_desc` = **'id_desc'**

`ivorn` = **'ivorn'**

`ivorn_desc` = 'ivorn_desc'

CHAPTER 5

Indices and tables

- genindex
- modindex
- search

Python Module Index

V

voeventdb.remote.apiv0, 10

A

author_datetime (voeventdb.remote.apiv0.OrderValues attribute), 9
author_datetime_desc (voeventdb.remote.apiv0.OrderValues attribute), 9
authored_since (voeventdb.remote.apiv0.FilterKeys attribute), 9
authored_until (voeventdb.remote.apiv0.FilterKeys attribute), 9

C

cited (voeventdb.remote.apiv0.FilterKeys attribute), 9
cone (voeventdb.remote.apiv0.FilterKeys attribute), 9
coord (voeventdb.remote.apiv0.FilterKeys attribute), 9

F

FilterKeys (class in voeventdb.remote.apiv0), 9

I

id (voeventdb.remote.apiv0.OrderValues attribute), 9
id_desc (voeventdb.remote.apiv0.OrderValues attribute), 9
ivorn (voeventdb.remote.apiv0.OrderValues attribute), 9
ivorn_contains (voeventdb.remote.apiv0.FilterKeys attribute), 9
ivorn_desc (voeventdb.remote.apiv0.OrderValues attribute), 9
ivorn_prefix (voeventdb.remote.apiv0.FilterKeys attribute), 9

O

OrderValues (class in voeventdb.remote.apiv0), 9

R

ref (voeventdb.remote.apiv0.FilterKeys attribute), 9
ref_contains (voeventdb.remote.apiv0.FilterKeys attribute), 9
ref_exact (voeventdb.remote.apiv0.FilterKeys attribute), 9
role (voeventdb.remote.apiv0.FilterKeys attribute), 9

S

stream (voeventdb.remote.apiv0.FilterKeys attribute), 9

V

voeventdb.remote.apiv0 (module), 10