WSSearch

Faceted search using ElasticSearch and Semantic MediaWiki

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Developer ~ Wikibase Solutions

Search

At Wikibase Solutions we create a wide variety of applications based on MediaWiki, A lot of them use Semantic MediaWiki.

On most projects we create custom search pages

For some of our projects search is a main feature.

CESSNA PILOTS ASSOCIATION

engine

Magazines

Tech notes

Model history

Service Documents

Manuals

FAA

turbocharger

Search

- [ ] Magazine (118)
- [ ] Manual (102)
- [ ] Service Document (39)
- [ ] Tech note (10)
- [ ] Model history (4)

Lycoming type

- [ ] 6 cylinder (23)
- [ ] 4 cylinder (13)

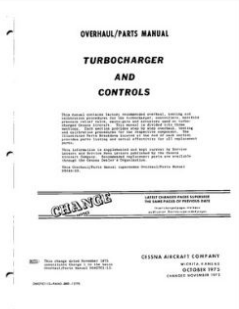
Model

- [ ] 182 (1)
- [ ] 206 (1)
- [ ] 210 (1)
- [ ] 300, 350, 400 (1)
- [ ] 320 (1)

Show more

Subject

273 results



Manual

Cessna Component Maint Manuals

MAN-Turbocharger controls ovhl-parts D5416-13.pdf

Tech note

NOTE **Turbocharger** Check Valves Q. Going through an annual here and want- ed to get your opinion on replacing the tur- bocharger check valves on my T337G Sky- master. A. The check valves are critical items and the bulletins that calls for their

062tech.pdf

Manual

600 Series Turbo Aero Commander Aircraft **Turbocharger** Turbo Model Scavenge Pump Application (STC #) Engine Model (STC#) Part No. Designation Part No. 500 A (SA683WE)

test

Zoeken

Uitspraak ✕ Wis alle filters

Sorteer op Relevantie

3 resultaten

Class

- [x] Uitspraak (3)

Beroepsgang

- [ ] Hoger beroep (2)

Aard zitting

Zoeken

Dictum

- [ ] Bevestiging Aangevallen Uitspraak (1)
- [ ] Gegrond Verklaring (1)
- [ ] Ongegrondverklaring (1)
- [ ] Vernietiging (1)

Type procedure

- [ ] Hoofdzaak sec (2)

Zaaknummer

Zaaknummer

T7108 6 apr, 2021

201404859/1/V6 12 mrt, 2021

... Hiervoor verwijst zij naar het arrest van het Hof van Justitie van 12 december 2013, C-362/12, **Test** Claimants in the Franked Investment Income Group Litigation, (ECLI:EU:C:2013:834), 5.1. ...

201700108/1/A3 12 mrt, 2021

... De daarin aangetroffen resten zijn vervolgens **getest** op de werkzame stof van hennep, THC. ...

... Volgens het proces-verbaal 'onderzoek verdovende middelen' van 27 juli 2016 gaf de **test** een positieve reactie, hetgeen erop duidt dat de resten hennepresten betroffen. ...

Goals

- Make use of the data stored by Semantic MediaWiki
- Easy to configure and offer a range of search and filter options
- Fast and reactive interface
- Easy to change layout and style
- Make the codebase as easy as possible to maintain
- Have all benefits of ElasticSearch (i.e. text highlighting, PDF search)
- Be able to create multiple search pages

ElasticSearch

- Semantic MediaWiki can be configured to store its data in ElasticSearch
- ElasticSearch offers a lot of search functionality including aggregations and all kinds of filters, highlighted snippets and more.
- Semantic MediaWiki does not make use of all the functionality ElasticSearch offers
- Semantic MediaWiki does create complex queries to get its stored data from ElasticSearch
- WSSearch uses this query created by Semantic MediaWiki as a base, but adds some additional query parameters for aggregations and highlights

Vue

- The frontend is built with vue.js, this is a modern frontend framework currently also used in some WikiMedia projects and shipped with the MediaWiki core.

  It offers a really nice way of creating UI components.

File Edit Selection View Go Run Terminal Help

HitProp.vue | PillItem.vue | mock.js

src > components > PillItem.vue > {} "PillItem.vue" > script

```vue
<template>
    <label
        class="wssearch--selected-filter"
        :class="propertclass"
        :for="forkey"
    >
        <bdi>
            {{title}}
        </bdi>
    </label>
</template>

<script>
  export default {
    name:'PillItem',
    props:{
        activefilter:Object
    },
    computed:{
        propertclass(){
            var stripped = 'wssearch--select
            return stripped + ' ' + stripped
        },
        forkey(){
            return  this.activefilter.key.toL
        },
        title(){
            return this.activefilter.name ?
        }
    }
  }
</script>
```

master* | 58 0 26 | vue | PillItem.vue | Prettier

localhost:8080

search | search

Order by | Relevance

soho

- 2 (3)
- 1 (1)
- 3 (1)

wtaer soep

search

Date

- Last Month (4)
- 2021 (5)
- Last Quarter (4)

jaja

jaja

9 results

Test meer

Title=test test|namespace=4000

Test meerTest test Ytdytd 5 feb, 2021

Test test zwaar

Testlabelll2 Test test zwaar Page3 28 jan, 2021

2 / page

1 2 3 4 ... 5

Filter mutations

Base State 17:40:26

START 17:41:17

Filter inspected state (Root)

```
mutation
  payload: true
  type: "START"
state
  aggs: Object
    Date: Object
    Title: Object
    Version: Object
  dates: Array[3]
    0: Object
    1: Object
    2: Object
  from: 0
  hits: Array[2]
    0: Object
    1: Object
  loaded: true
  loading: false
  rangeFrom: 0
  rangeTo: 0
  realDates: Object
  selected: Array[0]
  size: 2
  sortorder: "desc"
  sortordertype: "score"
  term: ""
  total: 9
getters
  rangeFrom: 0
  rangeTo: 0
```

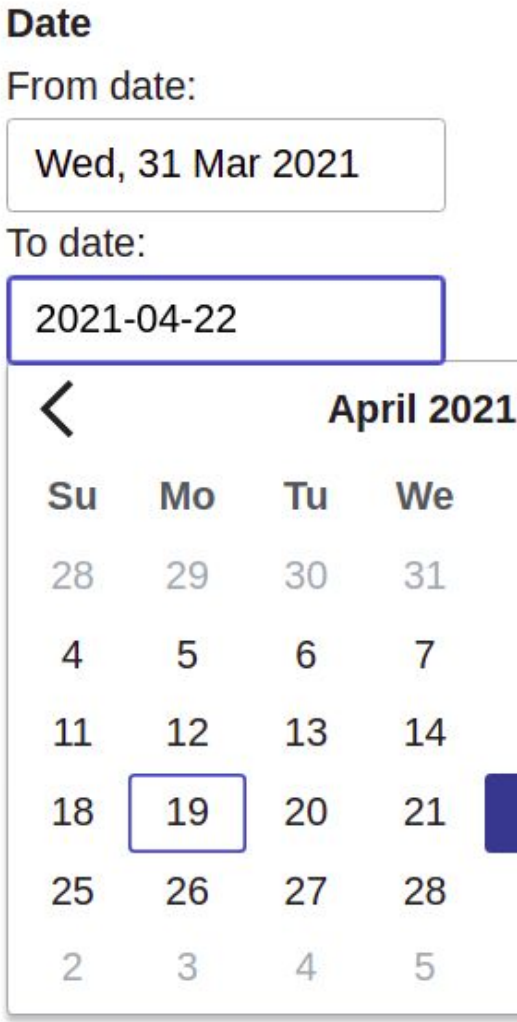
Features

- Highlighted snippets
  - Page html
  - Attachments like pdfs
  - Text properties

Features

Facet filters

- Range facets
- Date range facets
- Date range datepicker
- Combobox
- Ask combobox
- Searchbox
- Or / And logic
- Custom labels
- Ask translations



Features

- Results
  - Table layout
  - Parse wiki template
  - Custom labels
  - Link options
  - Sort options
  - Pills
  - Highlights

Search

Search

Tags

te

- [ ] Term 2
- [ ] Termjuyfu 2
- [ ] Eatea 1

Hub		Description	Tags
	Futydfutdut2	Uyfuutd	Term, Termjuyfu
	Futydfutdutd	Uyfuutd	
	Huphup	Huphup2	
	Lala	Hello	
	Living on the Edge	Edge	
	Menueditor	Menueditor	
	Merel testing for 31 March	3 keer raden	YES!
	Merels	About merels fire	Alloh, YES!
	Rerr	Erererr	
	Rfrfwerf	Reffef	

10 / page

1 2 3 4

Basic setup

Backend

```
{{#WSSearchConfig:
|base query=[[Class::Page]]
}}
```

Frontend

```
{{#WSSearchFrontend:
|size=10
|title=Title
|@Version
}}
```

wiki1.35

Rbs Talk Preferences Watchlist Contributions Log out

Main page
Recent changes
Random page
Help about MediaWiki

Switch to old look

Tools

What links here
Related changes
Upload file
Special pages
Page information
Browse properties

Page Discussion More Search wiki1

Editing Emwcon

```
1 {{#WSSearchConfig:
2 |base query=[[Class::Page]]
3 }}
4
5 {{#WSSearchFrontend:
6 |size=10
7 |title=Title
8 |@Version
9 }}
10
```

Summary:

This is a minor edit

wiki1.35

Rbs Talk Preferences Watchlist Contributions Log out

Main page
Recent changes
Random page
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Tools

What links here
Related changes
Upload file
Special pages
Printable version
Permanent link
Page information
Browse properties

Page Discussion Read Edit Edit source More Search wiki1.35

Emwcon

ullamcorper Search

Version

- 1 (591)
- 3 (2)
- 4 (2)
- 1.2 (1)
- 2 (1)

Show more

599 results

Etiam arcu ante

Pellentesque non tortor et eros **ullamcorper** auctor. Phasellus eleifend erat nisl, sit amet suscipit libero consequat gravida. Ut lacinia finibus ligula, in luctus arcu ornare at. Praesent erat nibh, venenatis nec ornare in, facilisis sit amet magna.

Pwdqwd1 16 Apr, 2021

Nunc scelerisque

Nunc scelerisque in tellus non **ullamcorper**. Pellentesque sodales, ante condimentum mattis aliquet, nisi libero viverra dui, a facilisis nisl lectus in ex. Cras et magna in ligula mollis faucibus. Curabitur tincidunt consequat interdum.

Praesent sollicitudin **ullamcorper** lectus, a fermentum massa efficitur in. Nam eget egestas erat. Integer vestibulum turpis at odio semper, dictum interdum justo ultrices. Sed eget quam varius, faucibus lectus vitae, lacinia risus.

Phasellus ac lorem ac nisl **ullamcorper** pharetra. In suscipit felis massa, in bibendum est malesuada et. In quis ipsum eget metus ornare bibendum. Praesent sed arcu lorem. Aenean id ultrices justo.

Page2 16 Apr, 2021

More advanced example

```
{{#WSSearchFrontend:
|size=10
|title=Title
|@Version
|@Modification date
        #display=datepicker
        #label=Date
|@Rating
        #display=range
        #max=5
        #step=1
|?Creator
        #display=link
}}
```

Community

WSSearch is currently developed by our Wikibase Team
Ad as the inciter, Marijn as the back-end developer and me as front-end developer.

But what is giving this extension its shape and features are the different colleges like Viktor and Liselot, working on different projects

We are planning to release WSSearch with an open source license

Roadmap

- **December ‘20** - Proof of concept
- **February ‘21** - First formal implementation
- **March ‘21** - First official implementations for larger systems
  - Added Tests; Stability fixes; Range filter; Format=template for property;
- **April ‘21** - Next iteration for large system
  - Added OR logic for facets; Translations; Sorting options; New syntax convention; Etc
- **Future**
  - Combine PDF and page search; Any community contributions?