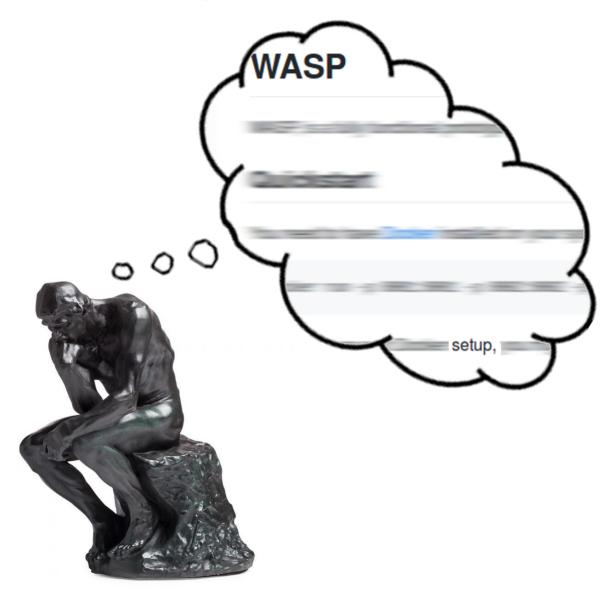
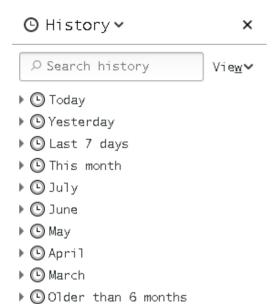


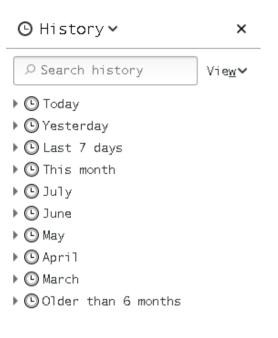
**Johannes Kiesel**, Arjen P. de Vries, Matthias Hagen, Benno Stein and Martin Potthast @KieselJohannes, @arjenpdevries, @matthias hagen, @bennostein, @martinpotthast

DESIRES, August 29th 2018

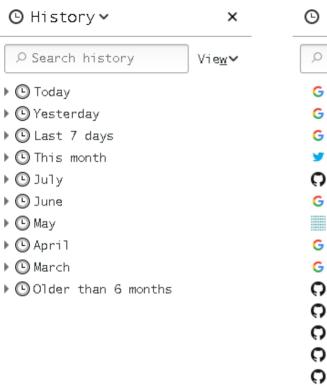


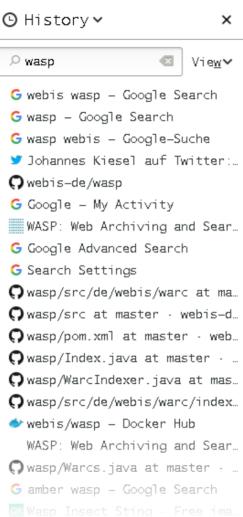




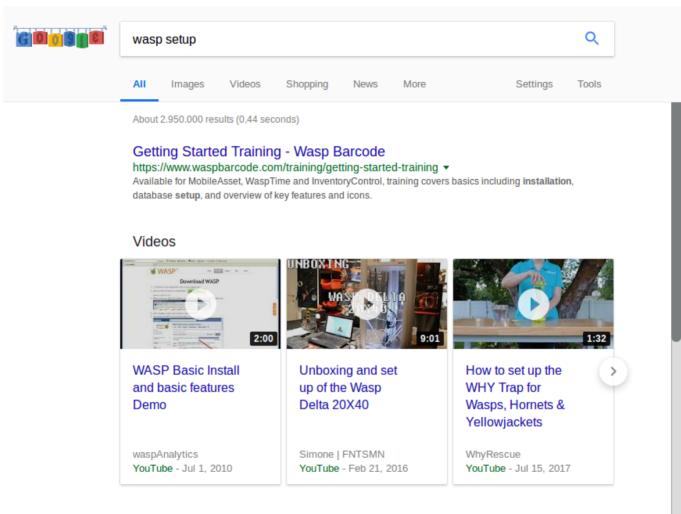






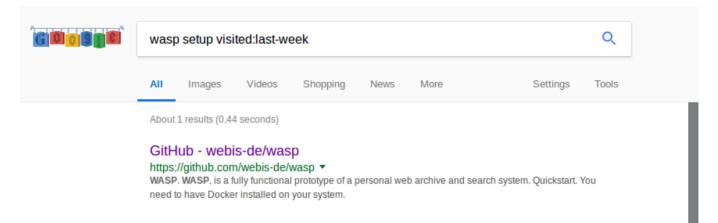


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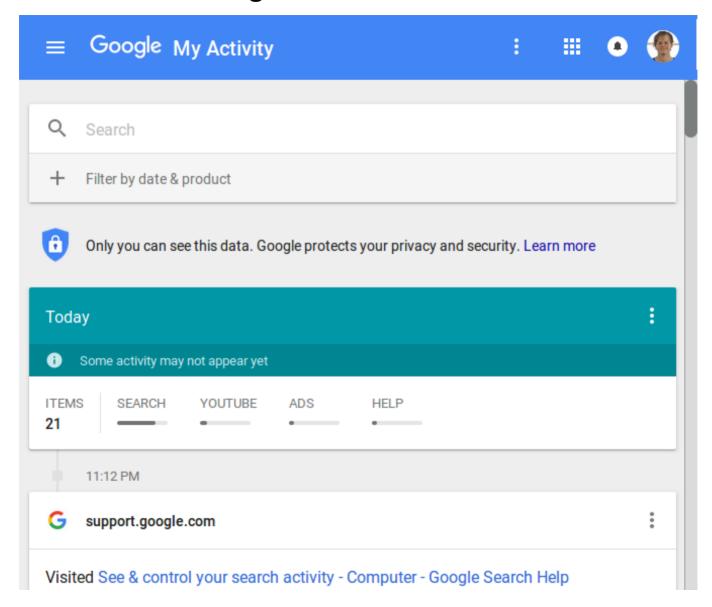


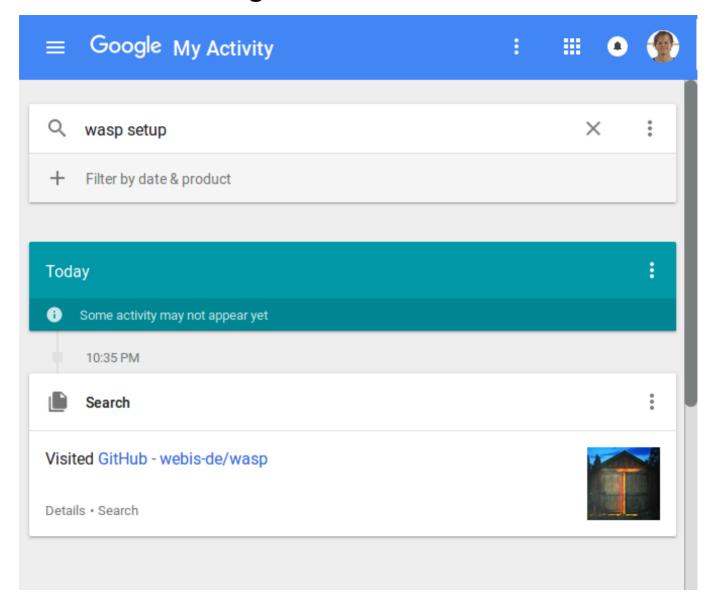
#### [PDF] Quick Start Guide - Wasp Barcode

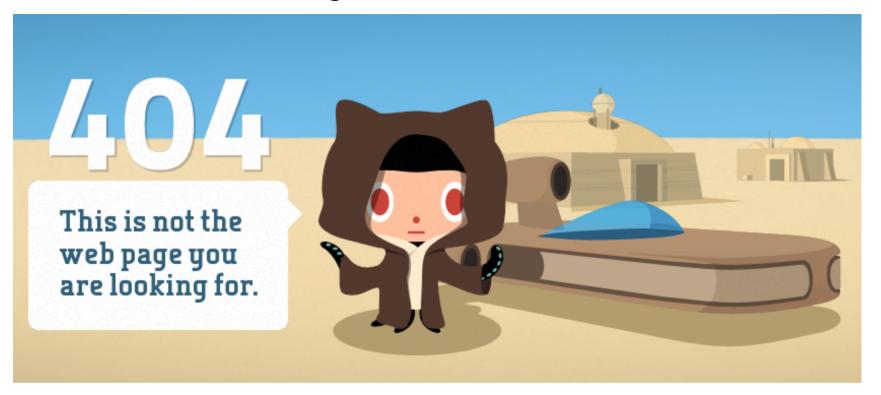
https://www.waspbarcode.com/.../waspbarcode/.../mobile-asset-quick-start-guide.ashx?... vithout the written permission of Wasp Barcode Technologies. ... you through the installation process and help you set up your software. Most of the information ...









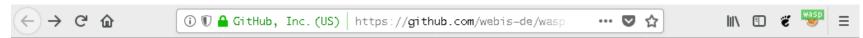


# **The Personal Search Engine: Inspiration**



# The Personal Search Engine: Inspiration





README.md

### **WASP**

WASP, is a fully functional prototype of a personal web archive and search system.

#### Quickstart

You need to have Docker installed on your system. You can then immediately start WASP like this:

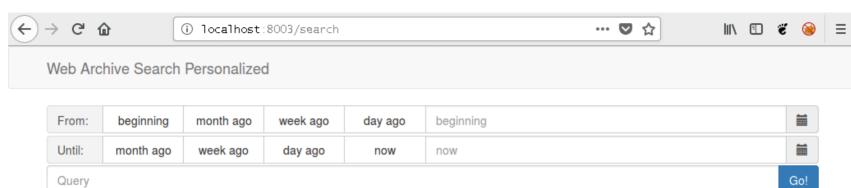
```
docker run -p 8001:8001 -p 8002:8002 -p 8003:8003 --name wasp -d webis/wasp:0.2.0
```

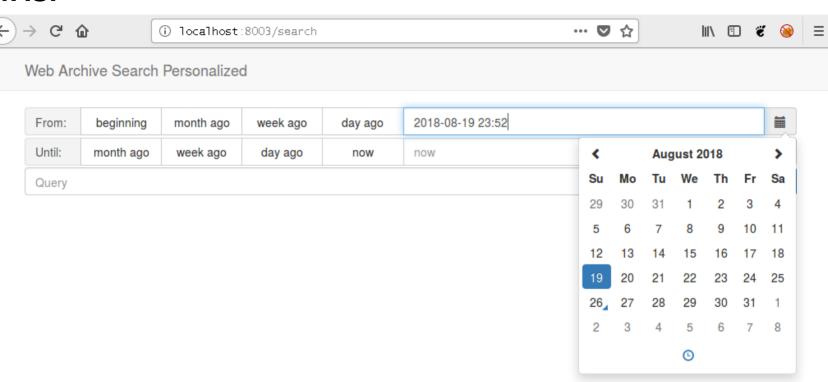
Depending on your Docker setup, you might need to run this command as an administrator or add sudo in front of it.

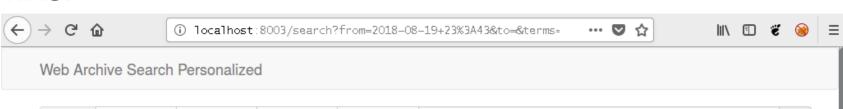
After a few seconds, you should already see the search interface in your browser at (http://localhost:8003/search)

Next, you will have to change the proxy settings of your browser to route the requests and responses through it. How this can be done depends on the browser (Chrome, Edge, Firefox, Opera, Safari). However, also consider using a tailored proxy switching plugin for your browser, which allows you to disable/enable WASP easily. In all cases, you need to specify (localhost:8001) as proxy for HTTP and HTTPS and have "localhost" as an exception (often so by default).

Now it is time to clear your browser's cache (or use incognito mode). Otherwise you will be disappointed when some elements are missing in the archive.







From:	beginning	month ago	week ago	day ago	2018-08-19 23:52	
Until:	month ago	week ago	day ago	now	now	
wasp set	up			Go!		

#### Page 1 for 'wasp setup' from 2018-08-19 23:43 until now

#### GitHub - webis-de/wasp [archive] [live]

https://github.com/webis-de/wasp

@2018-08-26 22:58

**WASP**, is a fully functional prototype of a personal web archive and search system. ... -name **wasp** -d webis/**wasp**:0.2.0 Depending on your Docker **setup**, you might need to run this command ... You are already set up to use **WASP** for HTTP connections. ... For HTTPS connections, you have to trust **WASP** to identify foreign web pages for you. ... **wasp**.

#### wasp/README.md at master · webis-de/wasp · GitHub [archive] [live]

https://github.com/webis-de/...ax=%23js-repo-pjax-container

@2018-08-26 22:48

-name **wasp** -d webis/**wasp**:0.2.0 Depending on your Docker **setup**, you might need to run this command ... You are already set up to use **WASP** for HTTP connections. ... **wasp**. ... Docker A pre-build Docker image of **WASP** is available on dockerhub. ... **wasp**/README.md at master · webis-de/**wasp** · GitHub

#### wasp/README.md at master · webis-de/wasp · GitHub [archive] [live]

https://github.com/webis-de/...ax=%23js-repo-pjax-container

@2018-08-26 23:00

**WASP**, is a fully functional prototype of a personal web archive and search system. ... -name **wasp** -d webis/**wasp**:0.2.0 Depending on your Docker **setup**, you might need to run this command ... You are already set up to use **WASP** for HTTP connections. ... For HTTPS connections, you have to trust **WASP** to identify foreign web pages for you. ... **wasp**.

#### GitHub - webis-de/wasp [archive] [live]



README.md

### **WASP**

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```

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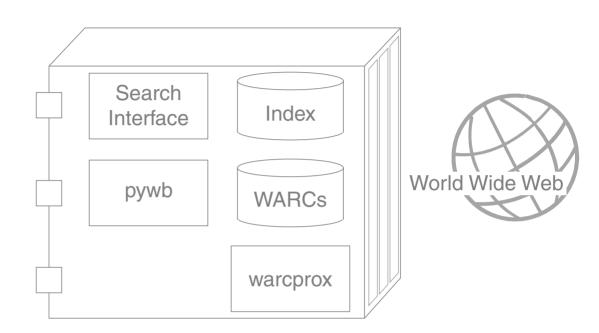
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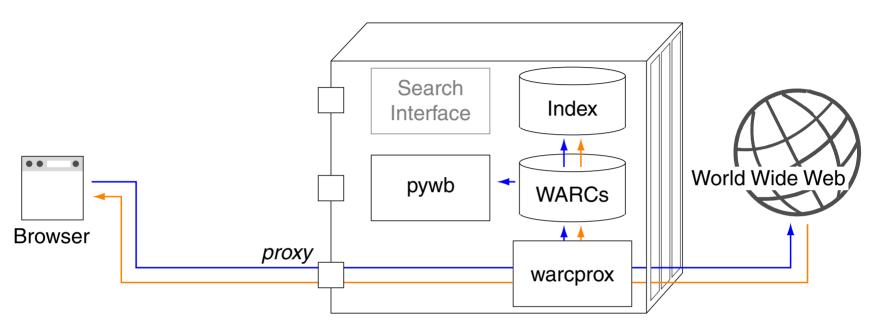
Next, you will have to change the proxy settings of your browser to route the requests and responses through it. How this can be done depends on the browser (Chrome, Edge, Firefox, Opera, Safari). However, also consider using a tailored proxy switching plugin for your browser, which allows you to disable/enable WASP easily. In all cases, you need to specify (localhost:8001) as proxy for HTTP and HTTPS and have "localhost" as an exception (often so by default).

Now it is time to clear your browser's cache (or use incognito mode). Otherwise you will be disappointed when some elements are missing in the archive.

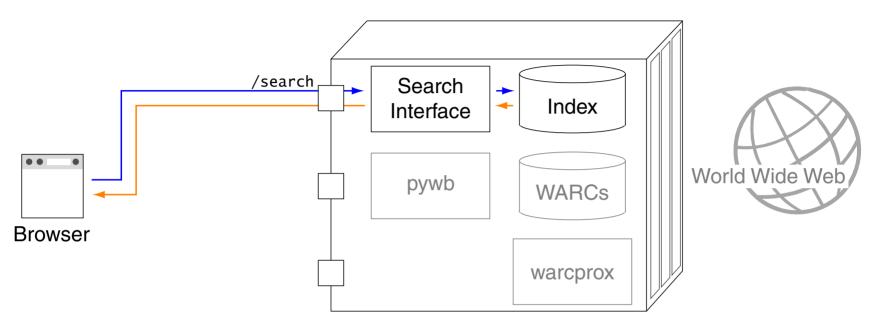
Archived Version



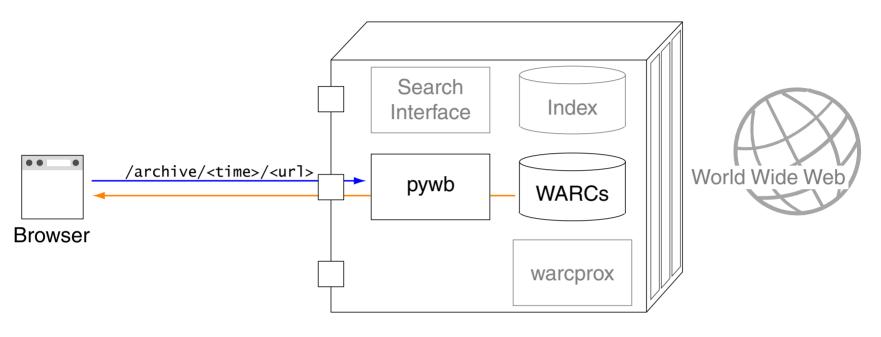




□ All requests (→) and responses (→) while browsing are stored and indexed

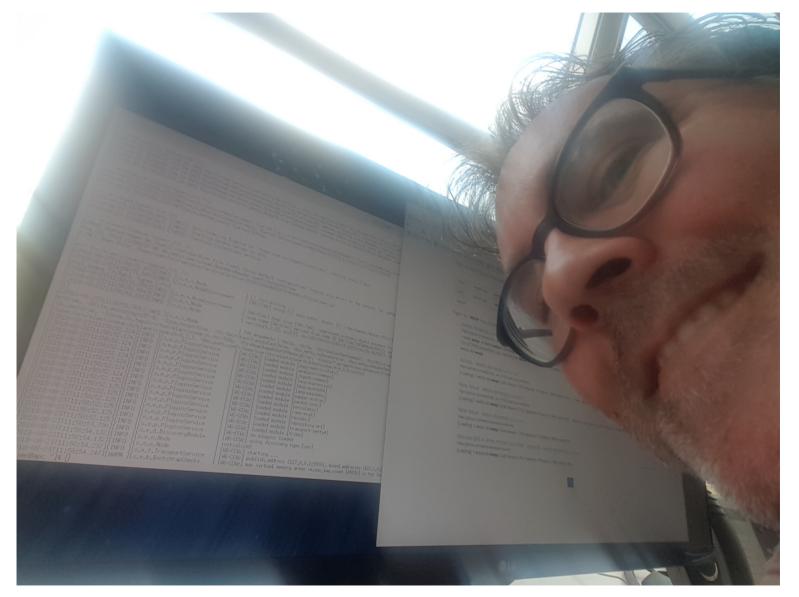


- □ All requests (→) and responses (→) while browsing are stored and indexed
- Page on localhost allows to search. Result page links to archive where...

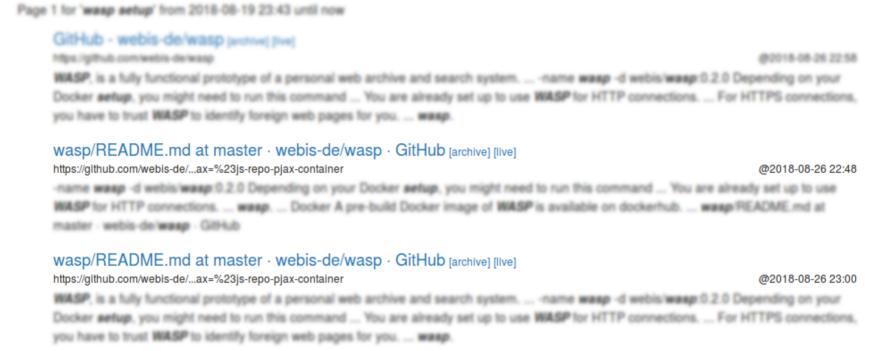


- □ All requests (→) and responses (→) while browsing are stored and indexed
- Page on localhost allows to search. Result page links to archive where...
- Visited pages are reproduced for the corresponding time





## **Insight 1: Not Indexing Near-duplicates**



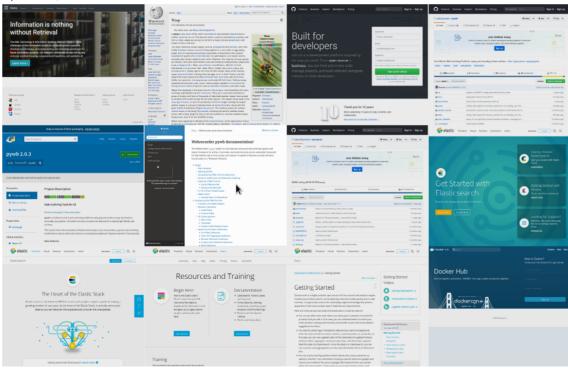
What changes warrant a re-archiving?

# **Insight 2: Browsable and Deletable History**

#### Web Archive Search Personalized

From:	beginning	month ago	week ago	day ago	beginning	
Until:	month ago	week ago	day ago	now	now	
Query						Go!

#### April 23rd, 2018



## Insight 3: Easy (De-)activation of Archiving

Easy activation, deactivation, and status-check



### <u>Patterns</u>



## **Insight 4: Combined Indexing of Sub-pages**

zuwandte, als Mitglied des Streitkräfteausschusses um die Welt reiste und auf Veranstaltungen wie der Münchner Sicherheitskonferenz quasi zum Inventar gehörte, zeigt die Blickrichtung: weg von den Mühen der innenpolitischen Ebene.

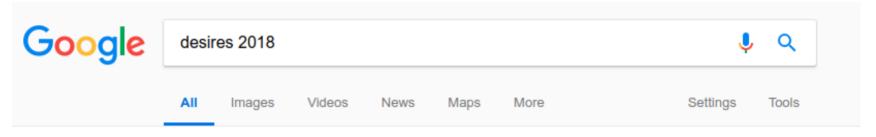
Seite 1 Er war der Letzte seiner Art

Seite 2 Warum es nicht zum US-Präsidenten reichte

nächste Seite 〉

- Should visited sub-pages of a single article be indexed as one?
- If so, to which sub-page should be linked in the result list?

## **Insight 5: Personalized Search**



About 145.000.000 results (0,41 seconds)

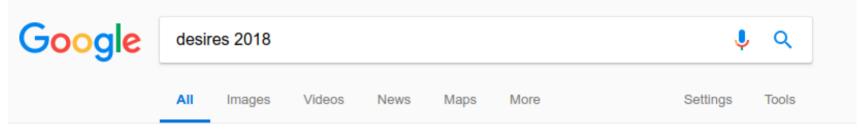
#### **DESIRES 2018**

desires.dei.unipd.it/ ▼

Vision. A systems-oriented biennial conference, complementary in its mission to the mainstream Information Access and Retrieval conferences, emphasizing the ...

You've visited this page many times. Last visit: 8/23/18

## **Insight 5: Personalized Search**



About 145.000.000 results (0,41 seconds)

#### **DESIRES 2018**

desires.dei.unipd.it/ ▼

Vision. A systems-oriented biennial conference, complementary in its mission to the mainstream Information Access and Retrieval conferences, emphasizing the ...

You've visited this page many times. Last visit: 8/23/18

# You've visited this page many times. Last visit: 8/23/18

# WASP: Web Archiving and Search Personalized

### Insights overview

- Not Indexing Near-duplicates
- Browsable and Deletable History
- Easy (De-)activation of Archiving
- Combined Indexing of Sub-pages
- Personalized Search

### Code and Instructions on Github



github.com/webis-de/wasp

# Thank you for your attention!