



REsearch Citations in Online Networks

RECON

Users
Manual

WELCOME TO RECON!

RECON is a user friendly web referencing tool for academics to explore meaningful connections and references on any web page. Based off a website, we made the search process easy, so you can focus on bigger things – make sense of the world, not the computer.

GET STARTED RIGHT AWAY

This manual walks you through how to search webpages for their links. For installation instructions, please see Readme.txt.

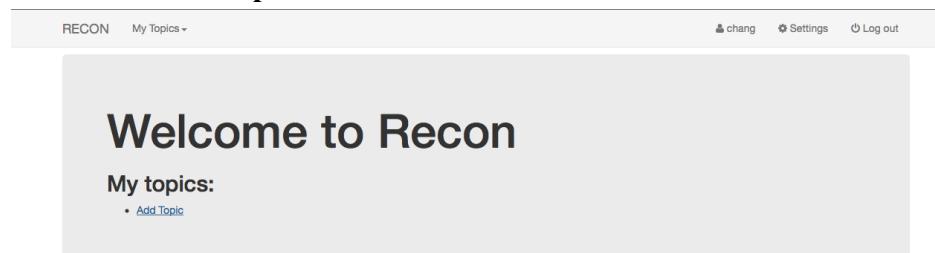
Open your web browser and log on to <http://127.0.0.1:8000/>.

Follow the instructions on the welcome page and register for a RECON account. Once the registration is complete you will be able to go back to the Welcome page through the back button, and log in using your credentials.

EXCITING RESEARCH EN-ROUTE

We anticipate that you will want to look through the web multiple times, for different things. We made organization easy for you by letting you create topics. Make a new topic for each different concept/construct that you are interested in. Each topic will contain keywords or urls that relate to the topic.

To make a new topic



The screenshot shows the RECON welcome page. At the top, there is a navigation bar with 'RECON', 'My Topics', 'chang', 'Settings', and 'Log out'. The main content area has a title 'Welcome to Recon' and a section titled 'My topics:' with a single item: 'Add Topic'. There is also a small note at the bottom left: 'CSCC01 2014'.

Your welcome screen will prompt you to make a topic on your first log-in. Click on new topic and follow the prompts.



If you have logged in before and already have a topic (or more) in your account, you can select your preferred topic and you will be directly taken to it.

If you want to add a new topic, click on My Topics to the top bar, and click on new topic. This will take you to a screen to create a topic.

RECON My Topics

Start Web Crawl English Israel News Add Topic

Start Twitter Crawl

Topic

Dashboard

Barchart

Manage Search Domain

Manage Search Keywords

Website

Manage Site Watch List

View Web Citations

Twitter

Manage Twitter Watch List

View Twitter Citations

127.0.0.1:8000/topic/1/#

The top bar will allow you to switch topics whenever you want to. Just go to the My Topics tab and select the topic you want to work with.

WHAT WEBSITES ARE YOU LOOKING FOR?

Once you have a topic ready, we are ready to look into the web! Click on the sidebar tab “Manage Search Domain”

Search Domains are any domain that you want to see references to. For example, if you are interested in how many of your web article collection has a link to www.cbc.ca in their text, [www.cbc.ca](#) will be your search domain. Click on Add New to add one!

The screenshot shows the RECON application's interface. At the top, there is a navigation bar with 'RECON' and 'My Topics' on the left, and 'admin', 'Administrative', and 'Log out' on the right. Below the navigation bar is a sidebar with several options: 'Start Web Crawl', 'Start Twitter Crawl', 'Topic' (which is highlighted in green), 'Dashboard', 'Barchart', 'Manage Search Domain' (also highlighted in green), 'Manage Search Keywords', 'Website', 'Manage Site Watch List', 'View Web Citations', 'Twitter', 'Manage Twitter Watch List', and 'View Twitter Citations'. The main content area is titled 'Topic : English Israel News' and 'Manage Search Domain List'. It displays a table with four rows, each containing a URL and 'edit' and 'delete' buttons. The URLs listed are 'http://www.haaretz.com/', 'http://www.ynetnews.com/', 'http://www.jpost.com/', and 'http://www.timesofisrael.com/'. At the bottom of the main content area is a blue 'Add New' button. The URL '127.0.0.1:8000/topic/1/domain/manage/' is visible at the bottom of the page.

You can add, edit and delete your domains at any time. The current topic active is listed at the top of the page. Remember, any domain you add to the list is solely associated with the currently active topic.

QUICK MODE

Our app has been optimized for searching faster speed, by searching for very specific web paths. If you add an url such as [www.cbc.ca](#), we will return results on any of your articles which have a link to [www.cbc.ca](#) site. If you add an url with path, such as [www.cbc.ca/sports](#), then we will show you any result that links to this specific section of the site. For example, references to [www.cbc.ca/sports/](#) will be caught, but references to [www.cbc.ca/media](#) will not!

WHAT KEYWORDS ARE YOU INTERESTED IN?

RECON My Topics ▾

Start Web Crawl Start Twitter Crawl

Topic

Dashboard Barchart

Manage Search Domain

Manage Search Keywords

Website

Manage Site Watch List

View Web Citations

Twitter

Manage Twitter Watch List

View Twitter Citations

Topic : English Israel News

Manage Search Domain List

Title	edit	delete
http://www.haaretz.com/	edit	delete
http://www.ynetnews.com/	edit	delete
http://www.jpost.com/	edit	delete
http://www.timesofisrael.com/	edit	delete

Add New

127.0.0.1:8000/topic/1/keyword/manage

Click on “Manage Search Keywords”, and it will take you to a page where you can add any word you want into the currently active topic (displayed at the top). Keywords are words in the article that you want RECON to look for! For example, if you are interested in how many of your web article collection contains the keyword “banana”, then input “banana” as a keyword here.

WHERE TO START?

RECON provides an option to search webpages for links and keywords, and an option for searching twitter for links and keywords. The functionalities can both be found under “Website” and “Twitter”.

Website

Clicking on “Manage Site Watch List” will take you to a page where you can add new sites. Here you specify where RECON should start looking. Adding an item here indicates that you want RECON to look through the item, and find relevant links or keywords from this item.

Adding a source like www.aljazeera.com here will get RECON to go through every page contained under this domain. RECON will go through

each page, and if it finds a link to one of your “search domains”, or a keyword you specify, then it will note the web page down.

Twitter

Clicking on “Manage Twitter Watch List” will take you to a page where you can add new twitter handles. Here you specify which twitter account RECON should look into. Adding an item here indicates that you want RECON to look through the account, and find any relevant links or keywords from this item.

The screenshot shows the RECON application interface. At the top, there's a navigation bar with 'RECON' and 'My Topics'. On the right, there are user status indicators: 'admin', 'Administrative', and 'Log out'. Below the navigation bar, there are two main buttons: 'Start Web Crawl' (disabled) and 'Start Twitter Crawl' (enabled). A sidebar on the left lists various sections: Topic (Dashboard, Barchart, Manage Search Domain, Manage Search Keywords), Website (Manage Site Watch List, View Web Citations), and Twitter (Manage Twitter Watch List, View Twitter Citations). The main content area is titled 'Topic : English Israel News' and contains a 'Twitter Crawler' section. It shows the status as 'Ready' with a 'Start' and 'Stop' button. Below the buttons, several tweets are listed, followed by the word 'Finished' repeated three times. At the bottom of the content area, it says '127.0.0.1:8000'.

CAN'T WAIT FOR RESULTS?

You inputted things you are interested in. You are ready to look into the enormous space we call the internet. Now what?

Website

You want to see which of your website watch list has the keyword or link that you are interested in. Go to **START WEB CRAWL** on the top of the sidebar. And click the blue start crawl button. You will see the logs displaying any matching results in real time. You can stop the search any time by clicking “stop crawl”.

RECON My Topics ▾

Start Web Crawl Menu

Start Twitter Crawl

Topic

Dashboard

Barchart

Manage Search Domain

Manage Search Keywords

Website

Manage Site Watch List

View Web Citations

Twitter

Manage Twitter Watch List

View Twitter Citations

127.0.0.1:8000/topic/1/crawler/

Topic : English Israel News

Web Crawler

Status : Ready

```
Found citation to website: http://www.jpost.com/Israel-News/Police-arrest-three-Israeli-Arabs-as-
low-intensity-clashes-continue-381243
Force stop crawler
Web Crawl Finished
```

You want to see which twitter account you inputted has the keyword or link that you are interested in. Go to **START Twitter CRAWL** near the top of the sidebar. Then click the blue start crawl button. You will see the logs displaying any matching results in real time. You can stop the search any time by clicking “stop crawl”

RECON My Topics ▾

Start Web Crawl English Israel News Add Topic

Start Twitter Crawl

Topic

Dashboard

Barchart

Manage Search Domain

Manage Search Keywords

Website

Manage Site Watch List

View Web Citations

Twitter

Manage Twitter Watch List

View Twitter Citations

127.0.0.1:8000/topic/1/twitter-crawler/#

Topic : English Israel News

Twitter Crawler

Status : Ready

```
Tweet:JERUSALEM: Police discovered moments ago packages of firecrackers & other
weapons in home of Arab in old city - 0404 http://t.co/ISNaz2azW
Tweet:CENTRAL ISRAEL: As heavy thunderstorms are continuing across Israel, reports of
many power outages now in Hod Sharon and Tel Aviv areas.
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many power outages now in Hod Sharon and Tel Aviv areas.
Tweet:CENTRAL ISRAEL: As heavy thunderstorms are continuing across Israel, reports of
many power outages now in Hod Sharon and Tel Aviv areas.
Finished
Finished
Finished
Twitter Crawl Finished
Twitter Crawl Finished
Twitter Crawl Finished
```

To see the results in an organized format, click on the buttons View Web Citations or View Twitter Citations. This will show you all the interesting

things RECON had picked up at your request. You can sort each field by clicking on the arrows at the header of each field.

The screenshot shows the RECON application's interface. At the top, there is a navigation bar with links for 'RECON', 'My Topics', 'admin', 'Administrative', and 'Log out'. On the left, a sidebar menu includes 'Start Web Crawl', 'Start Twitter Crawl', 'Topic' (which is expanded to show 'Dashboard', 'Barchart', 'Manage Search Domain', 'Manage Search Keywords', 'Website', 'Manage Site Watch List', 'View Web Citations', and 'Twitter' with sub-options 'Manage Twitter Watch List' and 'View Twitter Citations'). The main content area is titled 'Topic : English Israel News'. It displays a table with two entries:

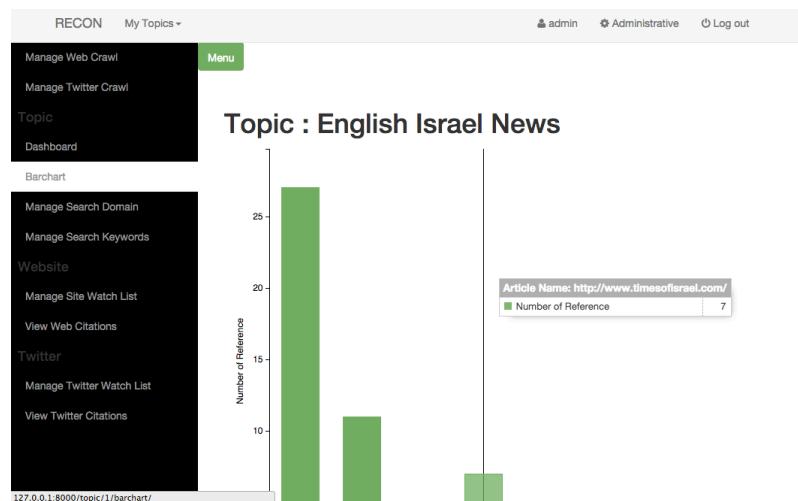
Title	Links to	Date Added
Abbas to reveal plan at UN to end occupation – Middle East – Al Jazeera English	<ul style="list-style-type: none">http://www.haaretz.com/news/diplomacy-defense/.premium-1.617082http://www.haaretz.com/news/diplomacy-defense/1.616285	Nov. 27, 2014, 12:40 a.m.
East Jerusalem under 'collective punishment' – Middle East – Al Jazeera English	<ul style="list-style-type: none">http://www.timesofisrael.com/netanyahu-promises-to-crack-down-on-jerusalem-nots/	Nov. 27, 2014, 12:40 a.m.

At the bottom of the main content area, it says 'Showing 1 to 2 of 2 entries' and has navigation buttons for 'Previous' and 'Next'.

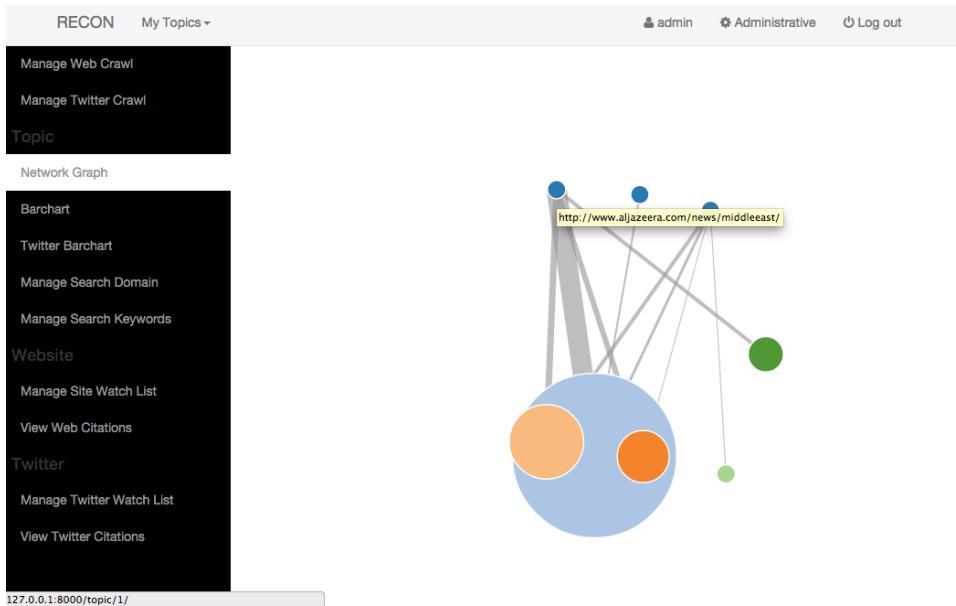
Want to see what each citation is about? Click on the link for each citation, and it will show you a web-archived version of the web page.

SEEING IS BELIEVING

More of a visual person? Don't worry, we got you covered with our superb visualizations. To access a clear bar graph, click on the "Barchart" button on the sidebar under either Website or Twitter, and you will be able to see how frequently a reference is made to one of your search domains by each twitter handle, or each web article.



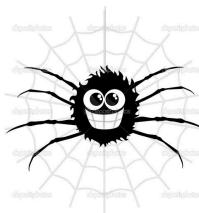
Want to see the connections? Try the network graph! Rest your cursor on each node to know which website they represent. Their connections represent references and hyperlinks to other sites. The bigger the node, the more times it has been referenced by other nodes.



SKY'S THE LIMIT!

Now that you can navigate the website, it's time to let your interest and creativity take charge. We hope RECON will aid you in your quest for knowledge, or just to understand a bit more about the world. Either way, we are proud that RECON will (or might) contribute to humanity's curiosity, even if in a small way.

The makers:



Jason



Julie



Paul



Parag



Jie