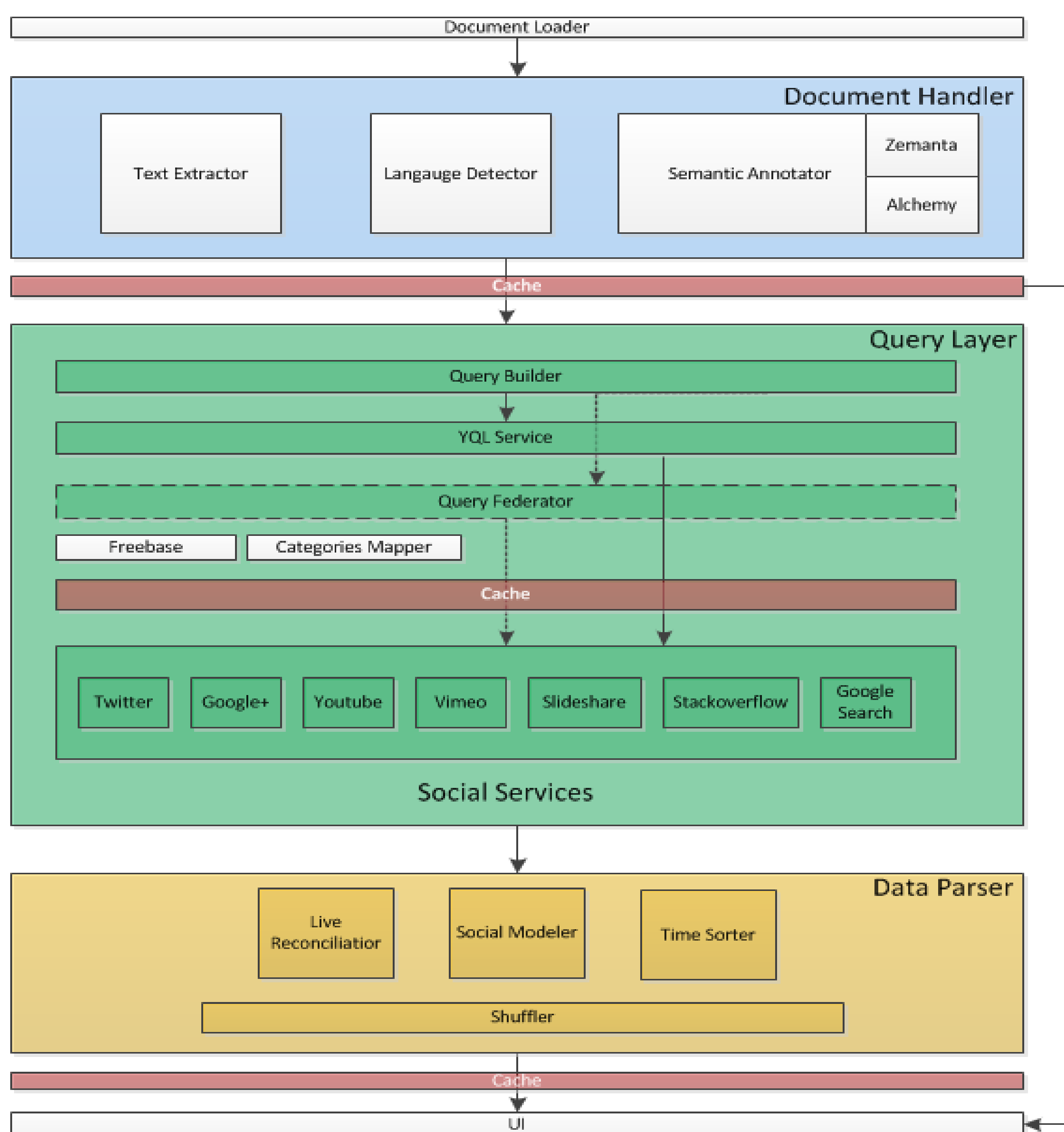


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A service that semantically annotate web documents, query social endpoints and reconcile results in order to provide rich and up-to-date contextual information



Given a Web document URL, SNARC will perform the following steps:

- 1 Document Handler:** leveraging services like Alchemy (2) and Zemanta (3) this component creates a “Semantic Document” model that contains a set of annotations (Keywords, Concepts, Categories and Entities) extracted from the textual content of the web resource. It also detects the resource’s language and main title information
- 2 Query Layer:** this component is responsible for disseminating queries to the various social services supported. Depending on the categories of the Semantic Document we filter out the selection of the targeted social services. In addition to that, for querying YouTube API we perform a search on the Freebase ID that matches the current keyword as well as targeting specific categories retrieved by mapping the category in the Semantic Document and those of YouTube.
- 3 Data Parser:** this module combines the results retrieved from the various social APIs and unify them in a common social model. A reconciliation module annotates the retrieved result and performs matching techniques to ensure that the results retrieved matches the Semantic Document categories and entities.

SNARC is a service that generates a JSON file. A Chrome Extension has been implemented as a possible UI usage of SNARC. An ongoing effort is to encapsulate it as a Wordpress Plugin as well

1

## The New York Times

2

3

**Extracted Keywords:** MARATHON BOMBING 100%, BOSTON 100%, LAW ENFORCEMENT 97.6%, TAMERLAN TSARNAEV 90.9%, UNITED STATES 77.3%, FEDERAL BUREAU 67.5%, IBRAGIM TODASHEV 59.1%

**Extracted Entities:** TAMERLAN TSARNAEV PERSON, FEDERAL BUREAU OF INVESTIGATION, BOSTON, MASSACHUSETTS CITY, ADMINISTRATIVE DIVISION, GOVERNMENTAL JURISDICTION, PLACE WITH NEIGHBORHOODS, UNITED STATES LOCATION, COUNTRY, IBRAGIM TODASHEV PERSON, BOSTON MARATHON TIME EVENT, NEW HAMPSHIRE LOCATION, ORANGE COUNTY SHERIFF'S OFFICE (FLORIDA), ORLANDO, FLORIDA LOCATION, BOSTON LOCATION, WALTHAM, MASSACHUSETTS LOCATION, MASSACHUSETTS STATE/COUNTY LOCATION, POLITICAL DISTRICT, ADMINISTRATIVE DIVISION, GOVERNMENTAL JURISDICTION, US STATE, TIMUR PERSON, MONARCH, OPERATIONAL CHARACTER, MASSACHUSETTS LOCATION, RUSSIA COUNTRY, ORLANDO, FLORIDA CITY, PLACE WITH NEIGHBORHOODS

**Man Being Queried on Tsarnaev Ties Is Killed by Officer**

The authorities were questioning the man — who was identified by a law enforcement official as **Ibragim Todashev** — about whether he had played a role in a triple murder on Sept. 11, 2011, in **Waltham, Mass.**, which had been one of the biggest questions of the investigation.

The investigators were working on the theory that he and **Tamerlan Tsarnaev** had done the murder,” said the official, referring to **Tamerlan Tsarnaev**, the deceased marathon bombing suspect. One of the victims was a friend of Mr. Tsarnaev.

The F.B.I. agent, who was from the **Boston** field office, sustained minor injuries in the episode, the official said.

The official said that the authorities had spoken to Mr. **Todashev** at least twice since the April 15 bombings, which killed three and injured about 200.

Since the attacks, the F.B.I. and state and local law enforcement officials in **Boston** have sought to interview friends and others who knew Mr. **Tsarnaev**, and his younger brother, **Dzhokhar**.

Investigators want to know how the brothers were radicalized, and they want to determine if there were accomplices.

The F.B.I. has also focused on Chechens who may have ties to extremists in **Russia**. Before the attacks, the bureau had not thought that they were a significant threat in the **United States**.

As part of those efforts, the F.B.I. has questioned many members of the small community of ethnic Chechens in the **United States**. Since April 20, agents have repeatedly

@Michael\_Truog FBI agent kills man after questioning him about Boston Marat

@mdheller1 Ibragim Todashev: FBI agent fatally shoots suspect in Orlando 'who knew Boston Marathon bombing... http://t.co/9WFLTPWwK via @MailOnline

@TripleT\_25 Florida Man Shot by FBI Was About to Sign Boston Murder Confession: Officials - ABC News http://t.co/M2bVgCPCr via @ABC

@RymMortaz #Florida Man Shot by FBI Was About to Sign Boston Murder Confession: Officials - ABC News http://t.co/hMouEmbWox via @ABC

@iCaptD RT @theNow: NBC is going into brainwash mode with Ibragim Todashev now saying he had nothing to do with Boston Marathon bombing http://t.c...

@ChiTownPhilly FBI Shoot & Kill Florida Man 'Linked' to Boston Marathon Bombing Investigation: http://t.co/UnvRK210q | That's called summary execution.

@TrishGrant Boston Marathon Bombing Deadly Connection - FBI Shoots & Kill

1. http://ahmadassaf.com/SNARC  
2. http://www.alchemyapi.com  
3. http://www.zemanta.com/