



Lucida

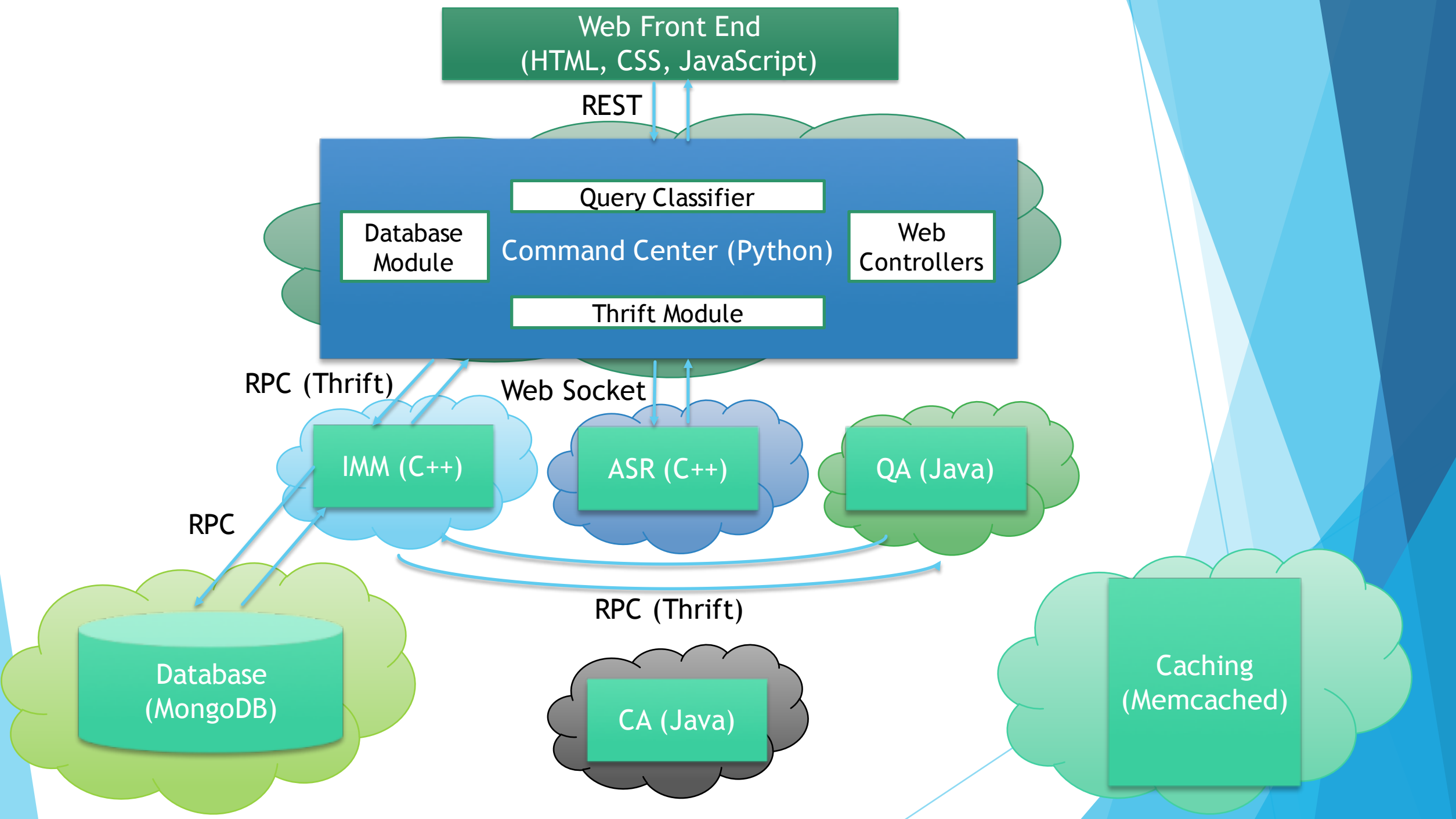
August 20, 2016

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Overview

- ▶ Lucida is a speech and vision based intelligent personal assistant developed in Clarity Lab at the University of Michigan. It is a state-of-the-art infrastructures to study emerging intelligent web services in large scale systems.
- ▶ Introduction: <http://lucida.ai>
- ▶ Github: <https://github.com/claritylab/lucida>
- ▶ Google Group: <https://groups.google.com/forum/#!forum/lucida-users>



Demo

Image Matching

- ▶ 1. Add at least one image under the “Learn” tab.

Add image knowledge:

No file chosen

Upload your picture!

Label:

Demo

Image Matching

- ▶ 2. Navigate to the “Infer” tab. Ask one of the following questions:
 - ▶ Who is he?
 - ▶ Who is she?
 - ▶ Who’s in the image?
 - ▶ Match this image.
 - ▶ Which photo in my collection is similar to this?
-
- ▶ This step is optional. You can directly go to step 3.



Demo

Image Matching

- ▶ 3. Upload one image that you want to match.

Ask a question:

Image input

No file chosen

Upload your picture!

- ▶ 4. Click the “Ask” button.

Demo

Question Answering

- ▶ 1. Add at least one piece of text under the “Learn” tab.
- ▶ For example, “Johann is 25 years old.”

Add text knowledge:

Text:

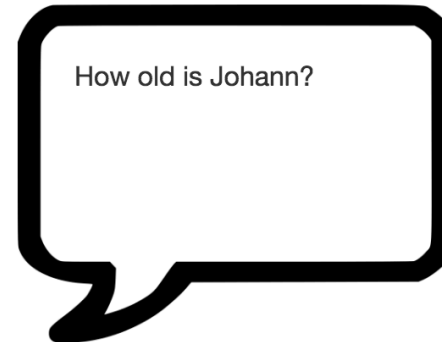
The capital of Italy is Rome

Add

Demo

Question Answering

- ▶ 2. Navigate to the “Infer” tab. Ask one question that is related to the knowledge you added in step 1.
- ▶ For example, “How old is Johann?”
- ▶ 3. Click the “Ask” button.



Demo

Image Matching + Question Answering

- ▶ 1. Under the “Learn” tab, add the following text and image:

- Johann was born in USA.

Delete



Johann

Delete

Demo

Image Matching + Question Answering

- ▶ 2. Navigate to the “Infer” tab. Ask the following question and upload the image with “Johann” in it.
- ▶ Where was he born?
- ▶ You will see the following result:

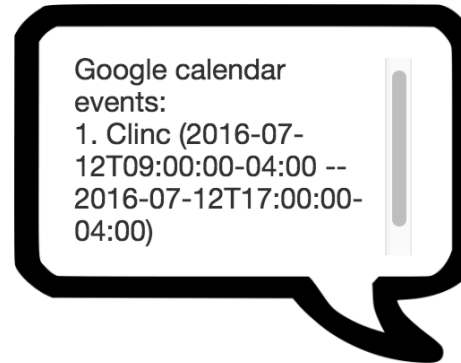
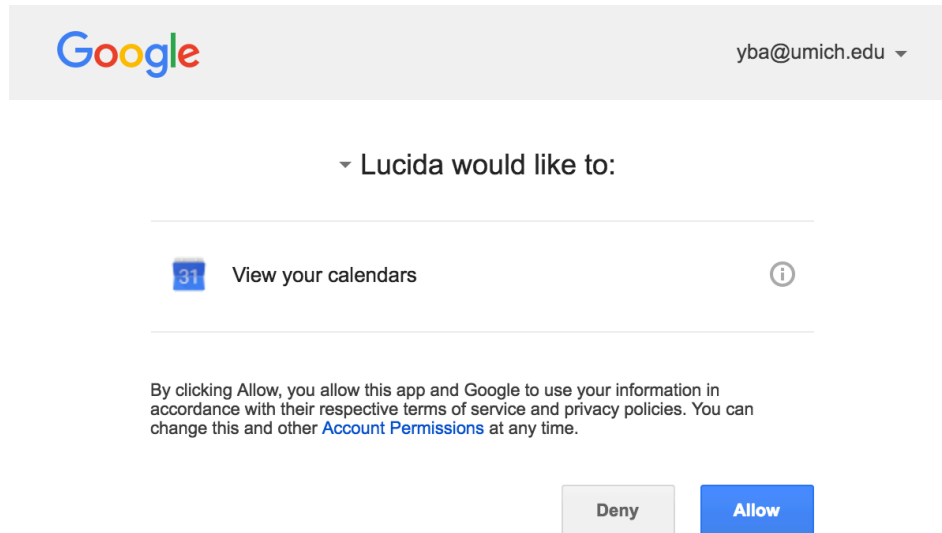


Demo Calendar

- ▶ 0. We assume you have some events on your Google Calendar.
- ▶ 1. Navigate to the “Infer” tab and ask one of the following questions:
- ▶ What am I going to do tomorrow?
- ▶ What is my plan next Monday?
- ▶ What is on my schedule next Tuesday afternoon?
- ▶ What did I do last weekend?
- ▶ What was on my Google Calendar last year?
- ▶ What was on my schedule last Christmas?

Demo Calendar

- ▶ 2. Allow the pop-up window and Click “Allow”:



- ▶ 3. You will see the events you asked for.

Thank you!

- ▶ Please leave your feedback on our Github repository or Google group!