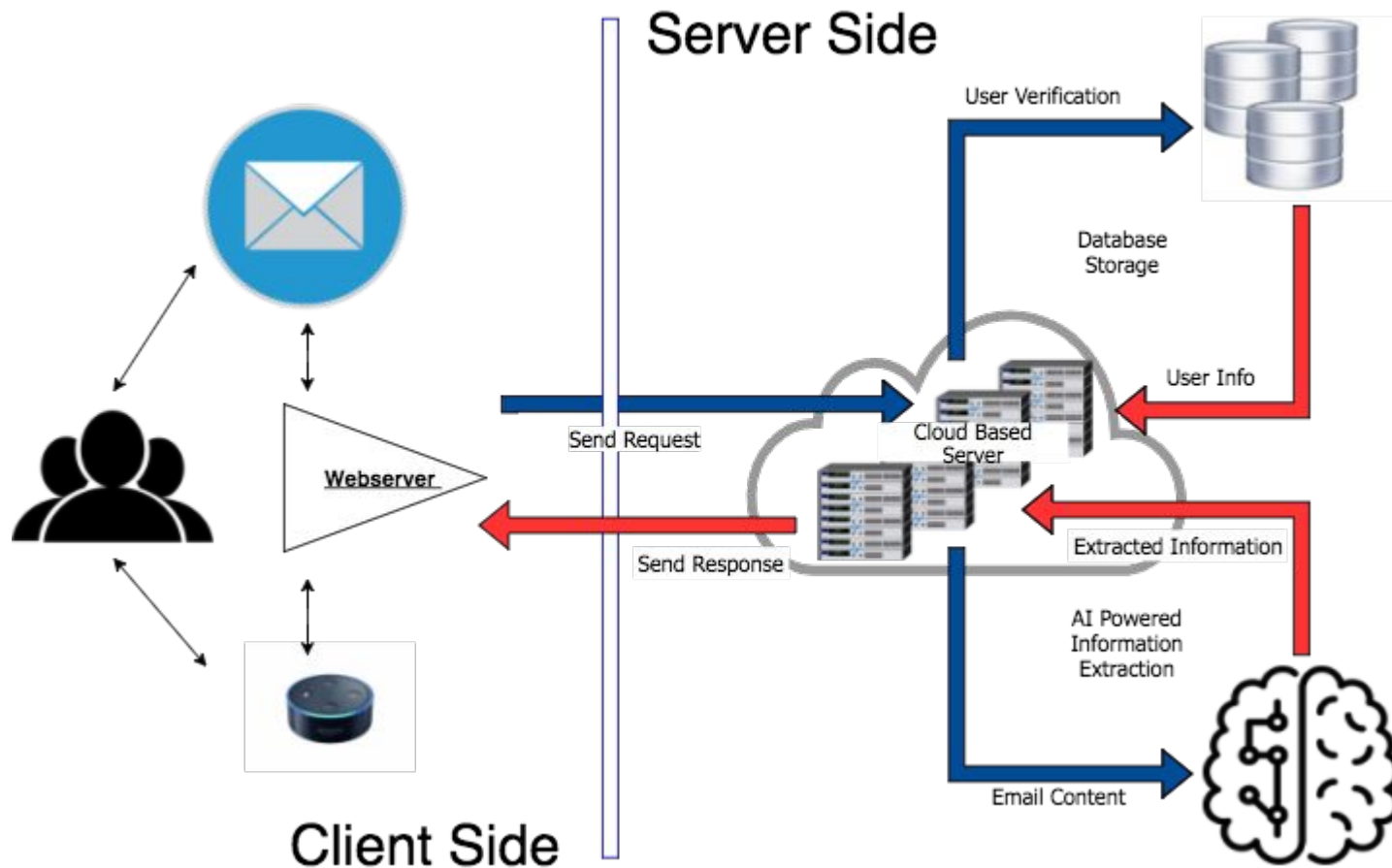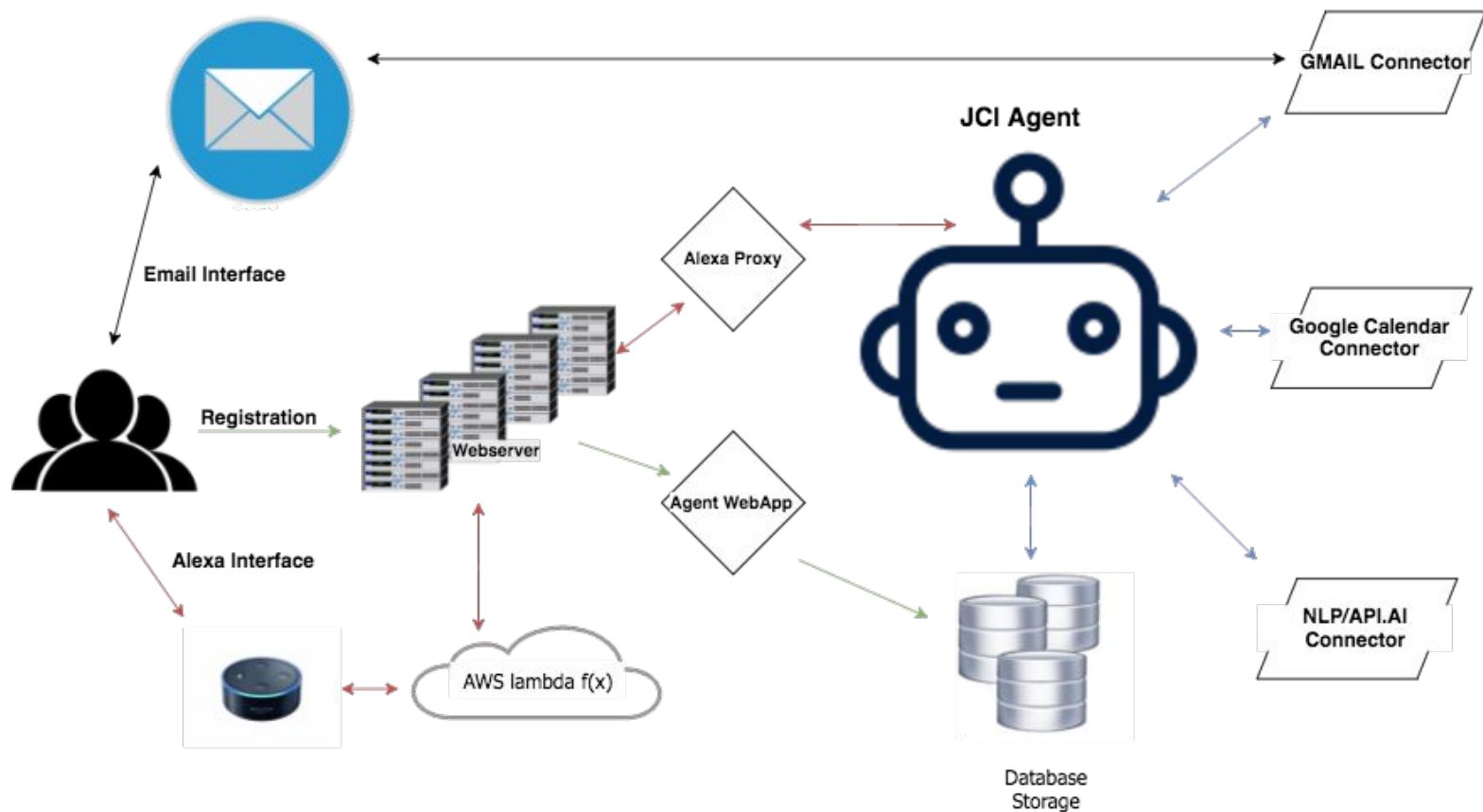# Architecture Documentation and FAQ's

JCI Agent

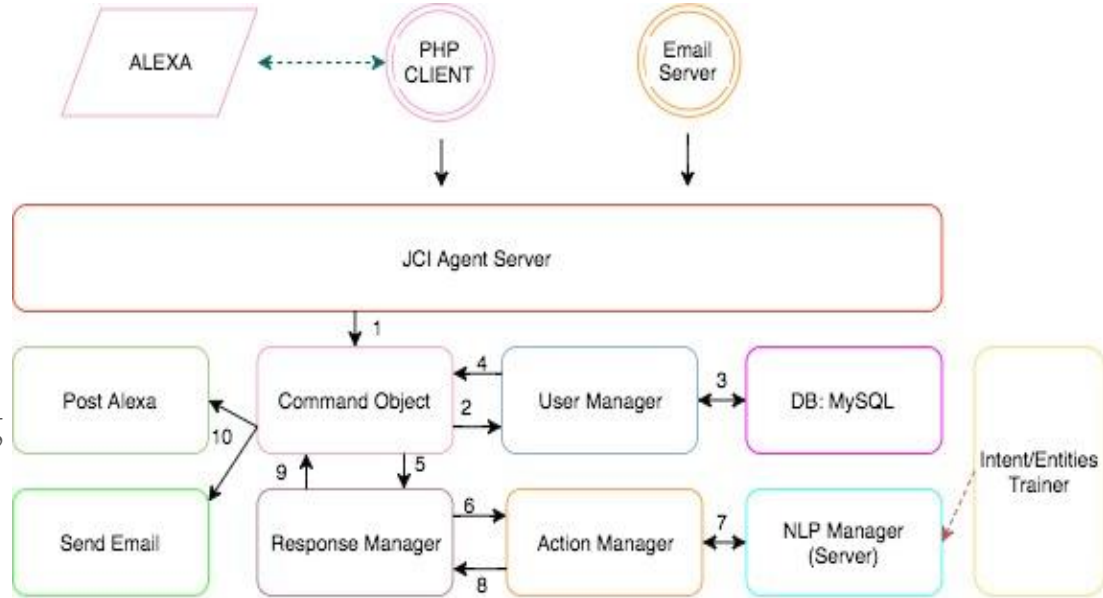# High Level Overview

Components Overview

JCI Agent Overview

Sample Data Flow

1. Creates readable object
2. Checks if valid User
3. Grabs authorization token
4. Validates request
5. Initiate response generation
6. Initiate NLP/calendar actions
7. Identify appropriate action using NLP
8. Do the action on user calendar
9. Send back response message
10. Send response back through correct interface

Question 1

How do we change/add workflows to the JCI Agent?

- The action manager block in JCI agent has a generate response class that is responsible to sending the request to the appropriate response class that does the correct actions.
- To add any new workflows you must add the workflow as a case in the generate response class and create an appropriate response class that the generate response class can redirect to.
- To change any existing workflow just follow the appropriate response class from generate response class.

Question 2

How can anyone add intents or entities?

- Depending on the NLP you are using (API.AI or any other library) you must access the appropriate intent/entities trainer.
- Look at the class documentation section on Intent/Entities training to see all the specific ways to change intents and entities for the NLP's we have implemented.

Question 3

How to add connectors?

- Depends on the connectors you want to add.
- If it concerns new NLP then go the the NLP folder and under connectors file add it over there
- If it concerns adding a new calendar interface like outlook then go under calendar and put it under the folder connectors.
- If it concerns a new database go under database folder and put it under database connector folder.