

# Question Answering and Chatbots

## 7th Practical exercise – Deploying

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**Hochschule Anhalt**

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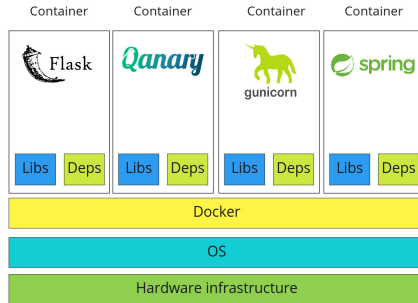
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- Review the task for the Exercise 7;
- Check project presentations progress
- Demo Session;

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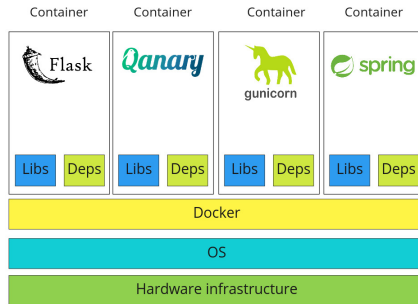
- Review the task for the Exercise 7;
- Check project presentations progress
- Demo Session;
- Questions.

# Exercise 7 – Task 1



Work in teams:

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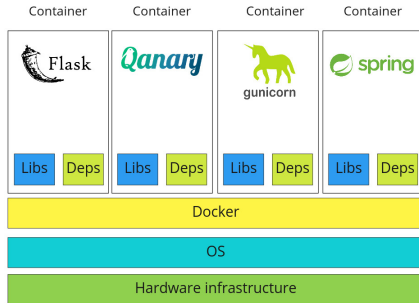


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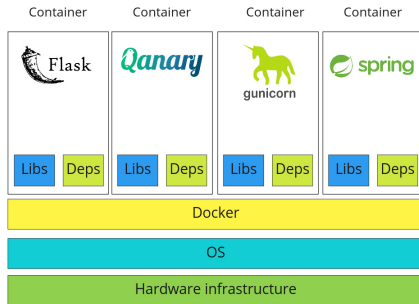
# Exercise 7 – Task 1



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- Obtain access to a server of the university;
- Set up a repository for your solution and clone files on the server. You can use any VCS that you want (however, Git via the GitLab server of our university would be suggested);

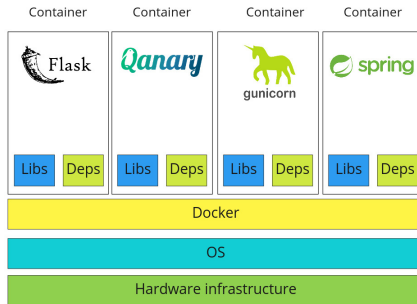
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Work in teams:

- Obtain access to a server of the university;
- Set up a repository for your solution and clone files on the server. You can use any VCS that you want (however, Git via the GitLab server of our university would be suggested);
- Create a Dockerfile for each of your Qanary components as well as for the Frontend and the Backend;

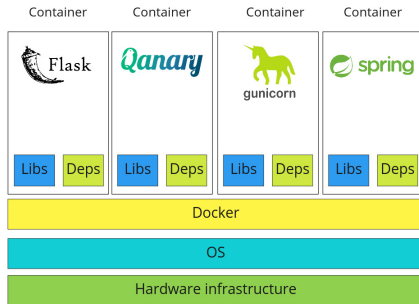
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Work in teams:

- Obtain access to a server of the university;
- Set up a repository for your solution and clone files on the server. You can use any VCS that you want (however, Git via the GitLab server of our university would be suggested);
- Create a `Dockerfile` for each of your Qanary components as well as for the Frontend and the Backend;
- Define a file `docker-compose.yml` to run multiple containers;

# Exercise 7 – Task 1



Work in teams:

- Obtain access to a server of the university;
- Set up a repository for your solution and clone files on the server. You can use any VCS that you want (however, Git via the GitLab server of our university would be suggested);
- Create a Dockerfile for each of your Qanary components as well as for the Frontend and the Backend;
- Define a file `docker-compose.yml` to run multiple containers;
- Start your containers using `docker-compose up`;

## Exercise 7 – Task 2

Create a sketch of a possible system on a sheet of (digital) paper:

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- Choose 5-7 examples (questions and conversations) that should be addressed in your project;
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Create a sketch of a possible system on a sheet of (digital) paper:

- Choose 5-7 examples (questions and conversations) that should be addressed in your project;
- Highlight the important parts of each input and define what annotations need to be computed to build the required query that will answer the query;
- Define for each example the possible queries that need to be built to answer the exemplary user input.



## Exercise 7 – Task 2

Create a sketch of a possible system on a sheet of (digital) paper:

- Choose 5-7 examples (questions and conversations) that should be addressed in your project;
- Highlight the important parts of each input and define what annotations need to be computed to build the required query that will answer the query;
- Define for each example the possible queries that need to be built to answer the exemplary user input.

Be as precise as possible. However, as lecturers, we know that not everything will be clear at the beginning.

Remark: After completing this task it is suggested to already start with implementing a prototype. **This task is required.**

Any questions?

Let's start the demo!

- 1 SPARQL;
- 2 Work with Natural Language (NER);
- 3 Question classification;
- 4 Back-end and Front-end;
- 5 Simple QA system and Qanary Framework;
- 6 Tests for QA system;
- 7 **Deploying QA system;**