

Pre-requisites must know.

Below given summary of DevOps tools Being used in this project.



GitHub

Github:

- GitHub is a source code repository where a developer will develop the code and push to the GitHub.



Docker Hub:

- Docker Hub is a repository where we store the docker images.
- Docker hub is default registry of docker.



ANSIBLE

Ansible:

- Ansible is an automation tool.
- Ansible is used for automate task on several servers at the same time.
- we can perform various tasks and automate through ansible.



Jenkins:

- Jenkins is a CI/CD tool to automate the build, testing and deployment process.



Docker:

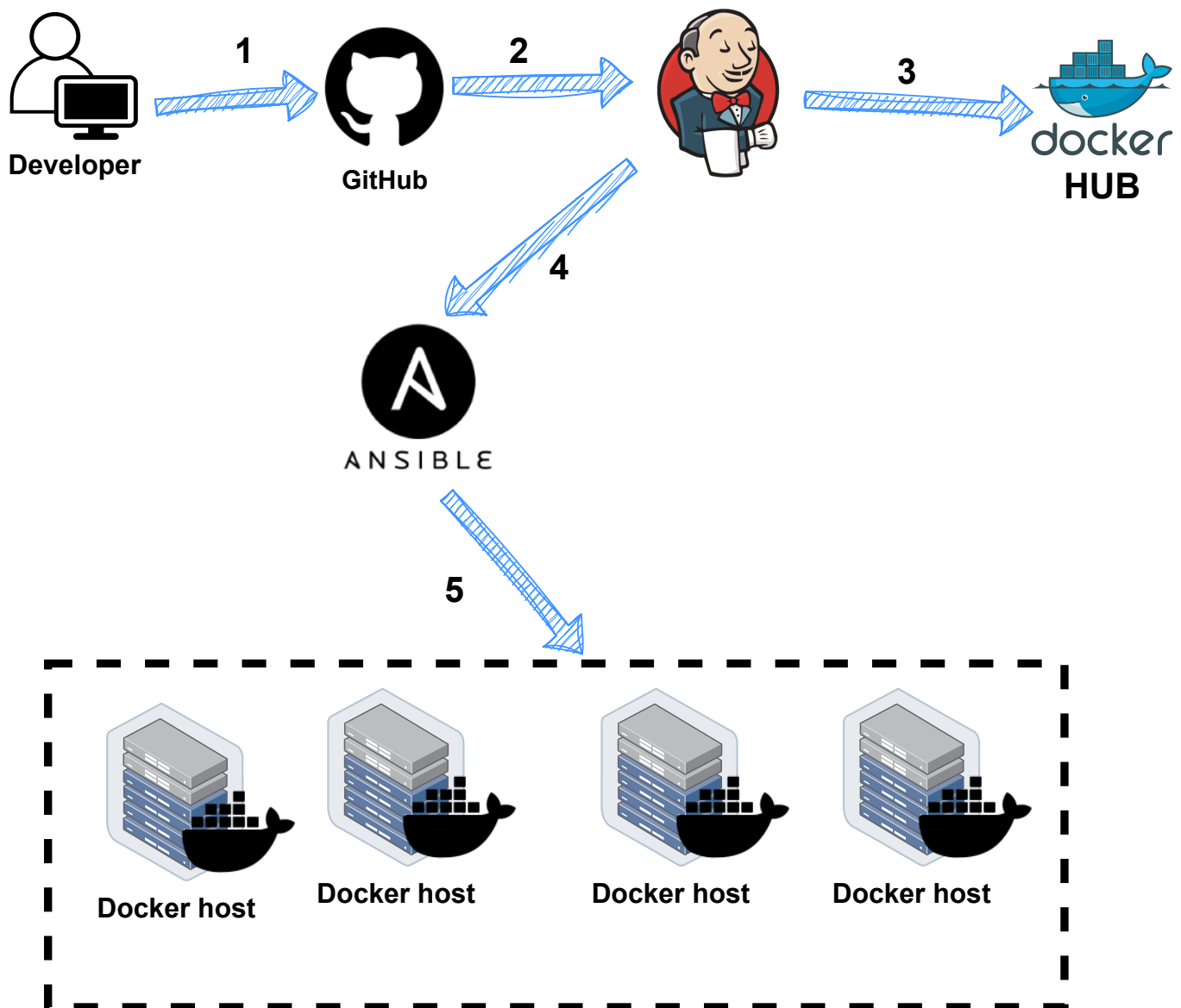
- Docker is a container technology where application runs on docker-container.



Linux:

- Linux is an unix based operating system.
- Must have knowledge of linux

Jenkins docker deployment project flow



1. Developer will push the code to the github.
2. jenkins will pull the code and compile then build the docker image.
3. jenkins will push the docker image to docker registry.
4. jenkins will trigger ansible server and run the playbook.
5. ansible will deploy the containers to the servers