Part 1: CICD Design Diagram

You are supposed to design a CICD Design diagram for your application deployment in your environment.
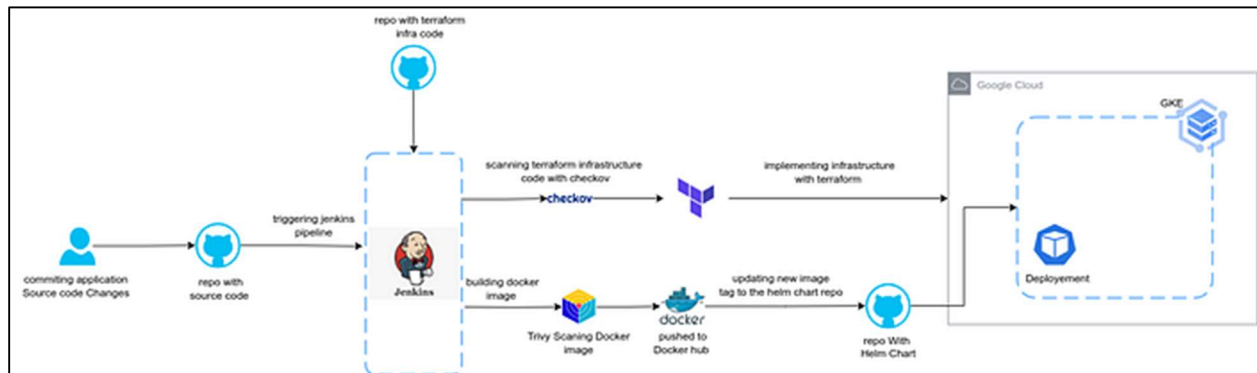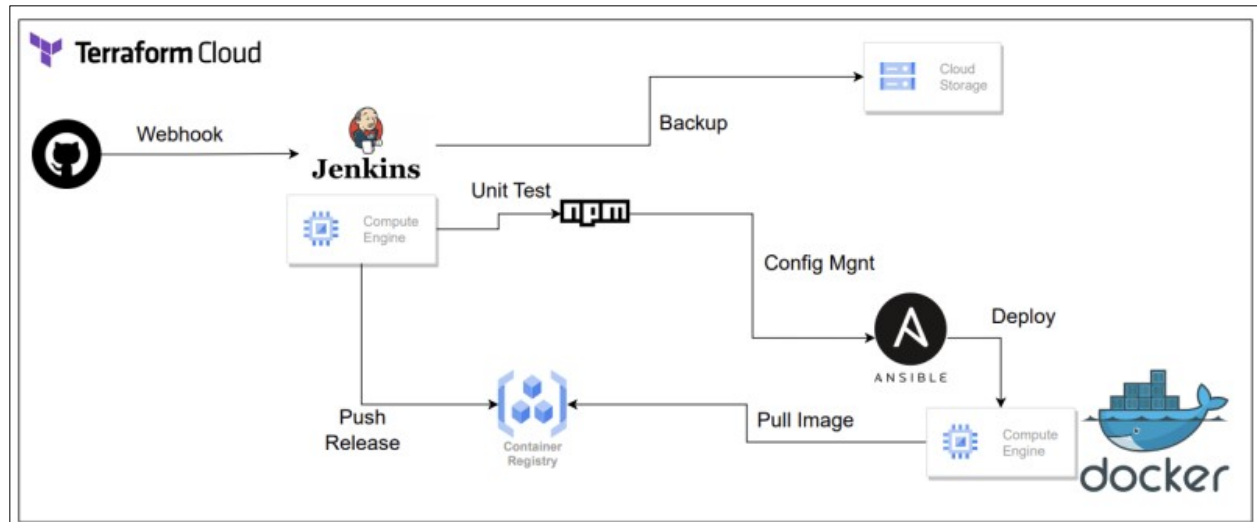
Include:

- Your Git tools
- CI tool(Jenkins)
- Configuration management and IaC tools (Ansible/Terraform)
- Your deployment environment with Containerization and orchestration tools (VMs/Docker/Kubernetes).
- Connectivity of each above components
- Addition to above, connectivity between your application components need to be included.
    - Example: If your application running on few containers, connectivity of the containers

Give a brief explanation of your diagram.

Using the online tool **draw.io** is recommended for drawing your diagram.

Refer the below examples. You can google for more examples.

Part 2: Automation Approach

You are required to describe the Automation approach of deploying your application.

- Briefly describe the DevOps tools you are using for the application deployment with their relevant version and purpose of using those tools
- Briefly describe other Application tools and dependencies with their relevant versions
- Briefly describe how your application deployment has been automated. You can include your pipeline stages for comprehensive explanation.