

Academy 2024h1

Mini-project week 4:

Initial considerations:

1. Document your results with screenshots. You do not need to show all the mistakes you made in the process, but you can save them and share them on the day of the presentation.
2. You should submit a pdf file with the evidence and with the format `<globant user>-MiniProject-<week>`, for example: `juan.quinayas-MiniProject-4.pdf`.

Repository:

Use git as local repository and Gitea as remote repository. Remember that you already mounted Gitea in a docker container in mini-project-2.

Applications:

Use the previous applications: Java, Maven, Python

CI/CD pipeline:

1. Use docker to deploy Jenkins.
2. Use Jenkins to deploy all the applications in minikube.
3. Details:
 - Create a pipeline by application.
 - You can define the pipeline using a Jenkinsfile or through the Jenkins GUI.
 - Configure the minikube deployment.
 - Within each pipeline, configure the steps required to deploy the application to minikube. This will involve creating the Kubernetes resources (such as YAML files) required for deployment, interacting with the minikube cluster, and deploying the application.
 - Remember to install and configure minikube before running any pipeline.