CI/CD Pipeline Implementation Using GitLab

As part of my DevOps practice, I implemented a CI/CD pipeline using GitLab for a basic web application. The pipeline is designed to automate key stages of development and deployment. The first step in the pipeline focuses on the build process to ensure that the application compiles correctly and is free from build-time errors.

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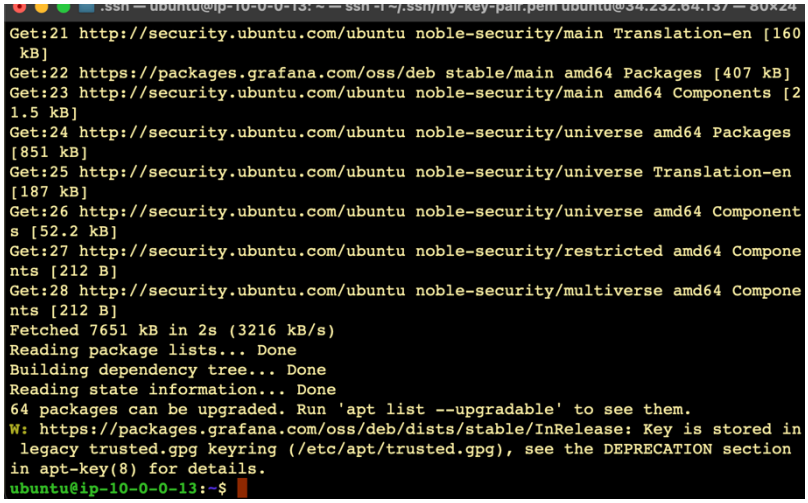
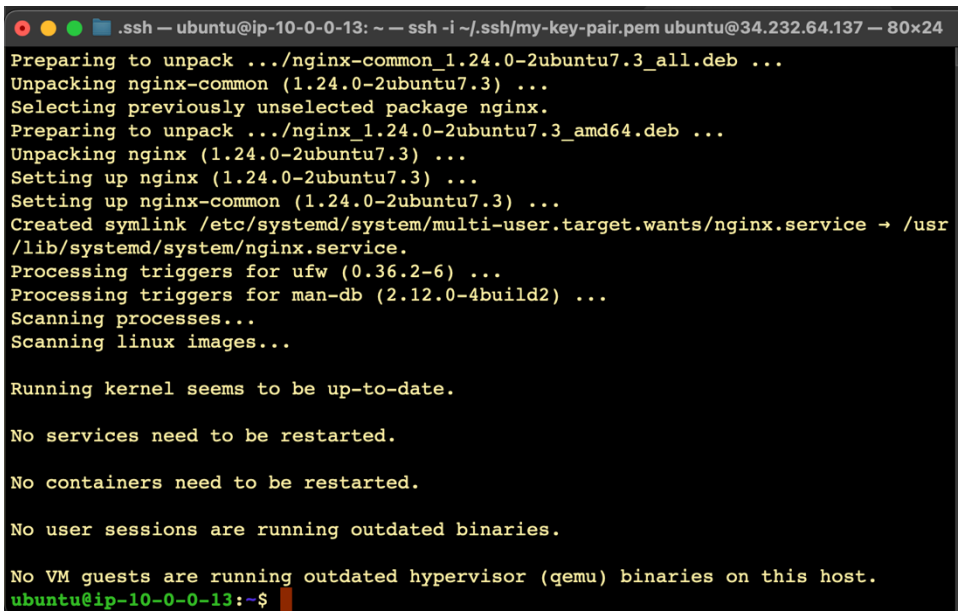
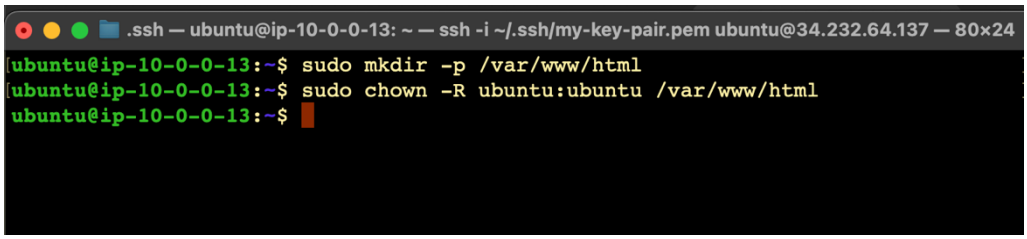
1. Make a server in AWS EC2 instance and ssh from local

- Run :
  sudo apt update
  sudo apt install nginx

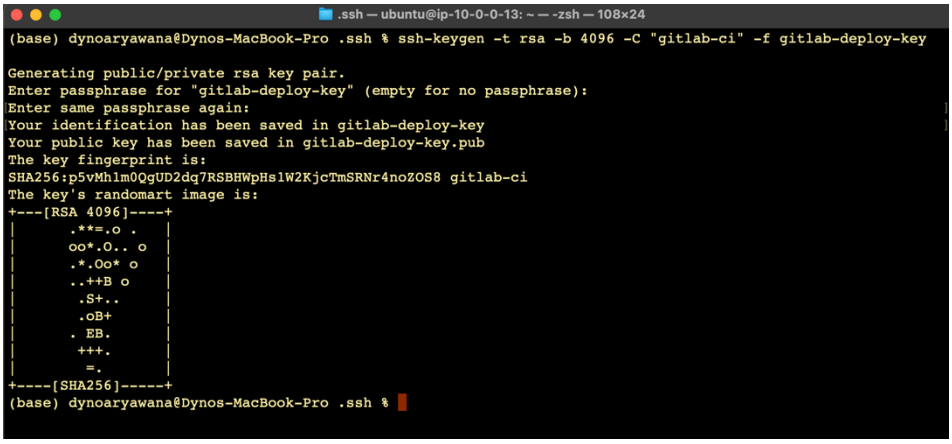




- Make a directory for deploy

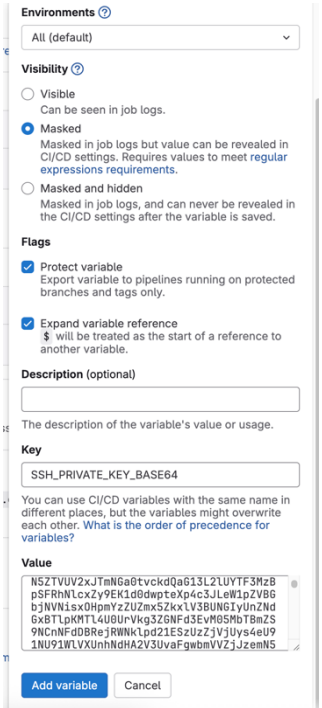


- On the local computer create an ssh keygen for gitlab and the ec2 server

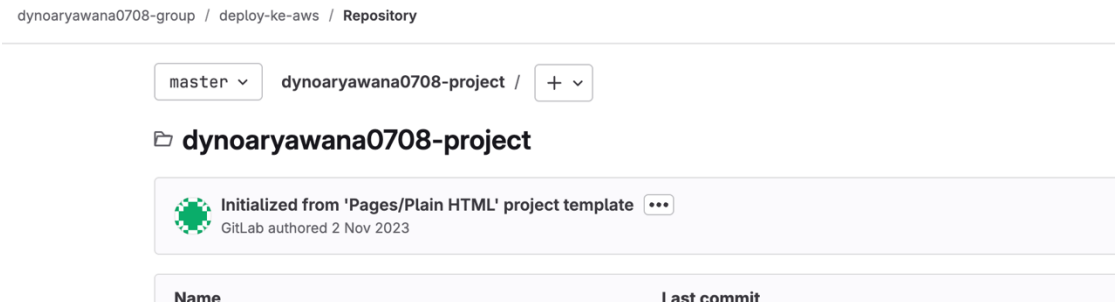


- Put public key into EC2 server

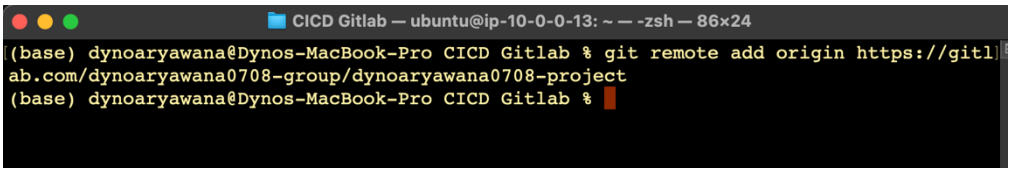
- Log in to Gitlab, create a new project, create a variable and enter the private key in the variable.



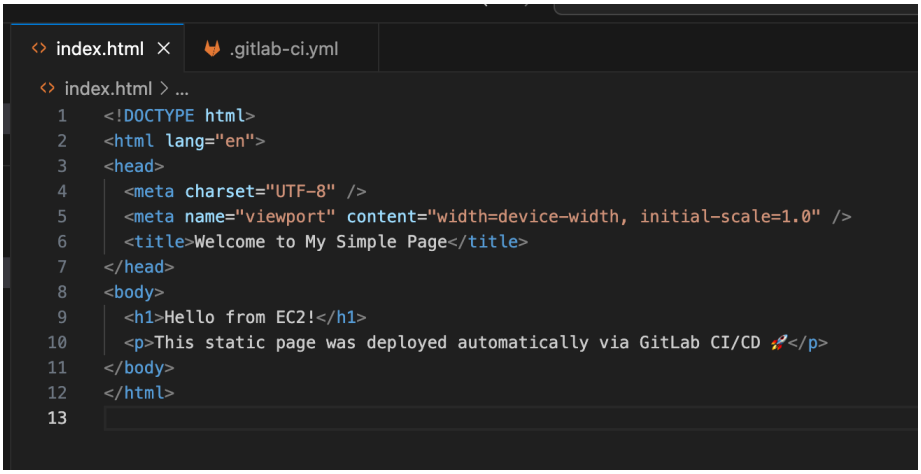
- Display that has been created from the project

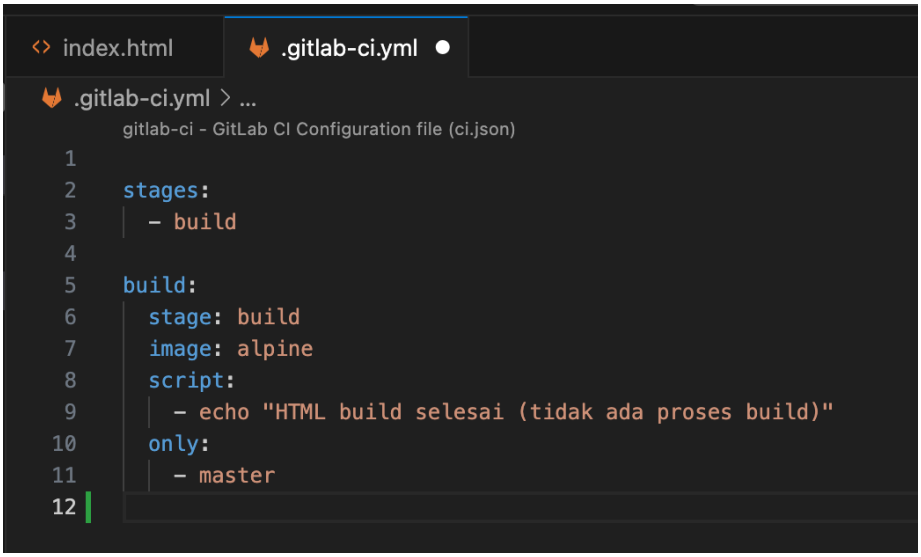


- Adding origin into git



- Create index.html and .gitlab-ci.yml in the same directory on the local computer



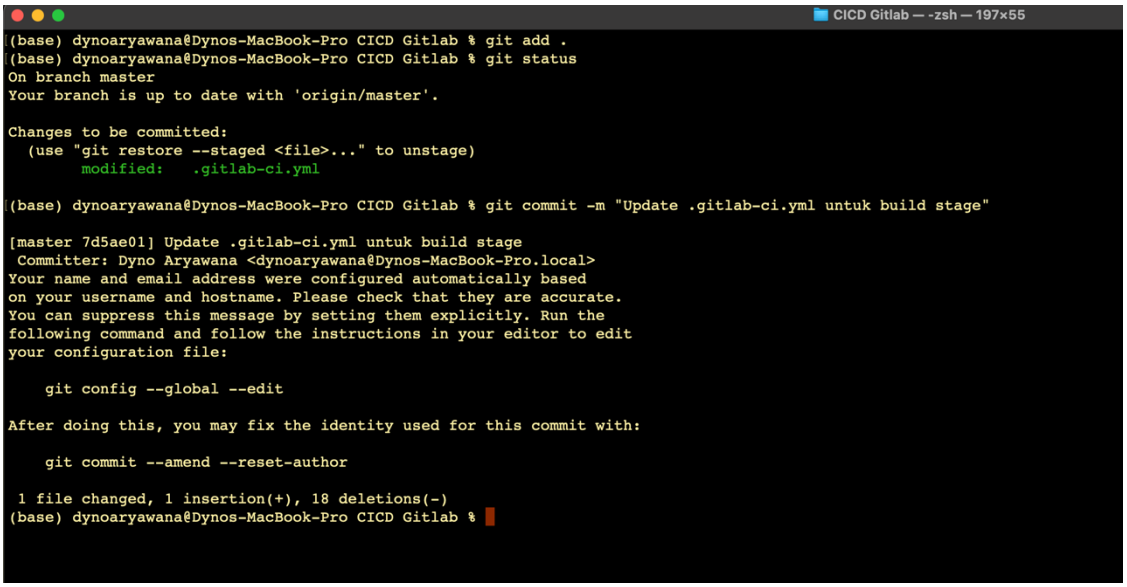


- Push to gitlab with :

  git add .

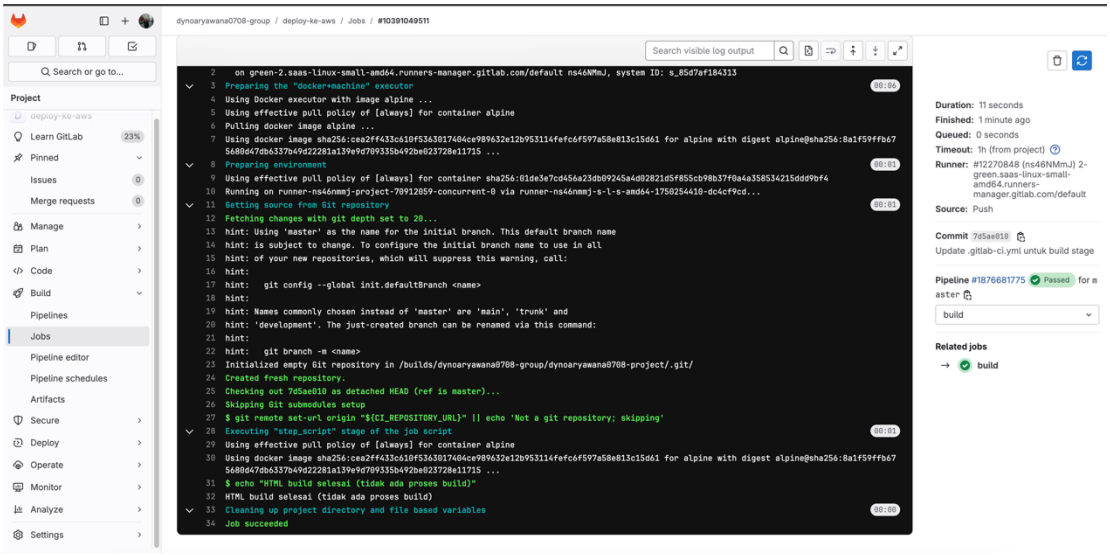
  git status

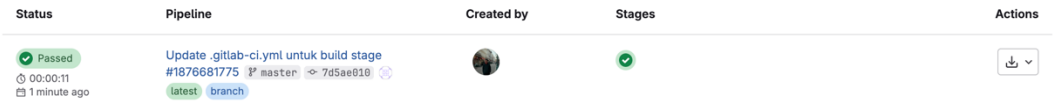
  git commit -m



- git push origin master

- Check if it has been successfully pushed and built on Gitlab





- Successfully pushed and built on gitlab

THANK YOU