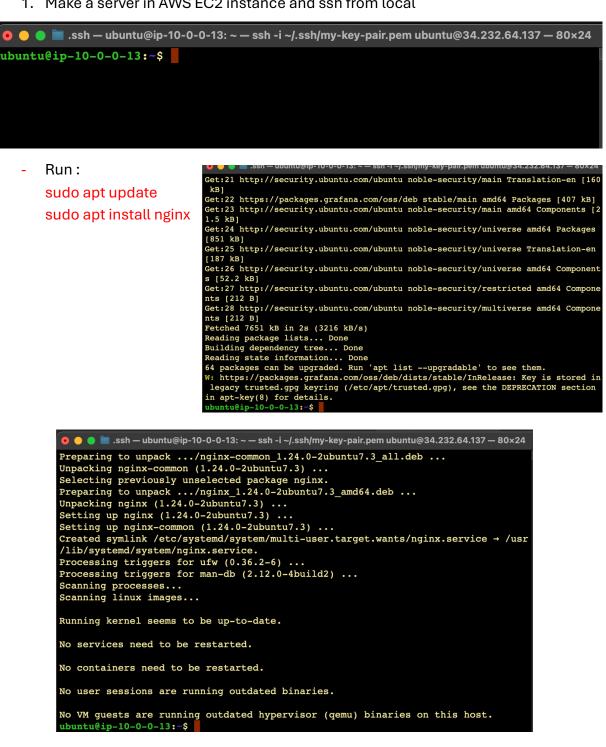
CI/CD Pipeline Implementation Using GitLab

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.

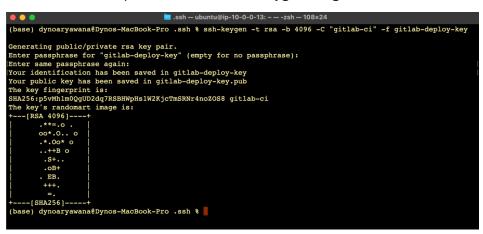


Make a server in AWS EC2 instance and ssh from local

- 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

● ● ●	
(base) dynoaryawana@Dynos-MacBook-Pro .ssh % scp -i my-key-pair.pem gitlab-deploy-key.pub ubuntu@34.232.64.137 (base) dynoaryawana@Dynos-MacBook-Pro .ssh %	

- Log in to Gitlab, create a new project,

create a variable and enter the private key in the variable.

1	All (default) ~
Vi	ibility 🕐
0	Visible
	Can be seen in job logs.
0	Masked Masked in job logs but value can be revealed in CI/CD settings. Requires values to meet regular expressions requirements.
0	Masked and hidden Masked in job logs, and can never be revealed in the CI/CD settings after the variable is saved.
Fla	gs
	Protect variable Export variable to pipelines running on protected branches and tags only.
	Expand variable reference \$ will be treated as the start of a reference to another variable. scription (optional)
De	(\$ will be treated as the start of a reference to another variable. scription (optional) e description of the variable's value or usage.
De Th	§ will be treated as the start of a reference to another variable. scription (optional) e description of the variable's value or usage. y
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De Th Ke Yo dif ea	\$ will be treated as the start of a reference to another variable. scription (optional) e description of the variable's value or usage. y SH_PRIVATE_KEY_BASE64 u can use CI/CD variables with the same name in ferent places, but the variables might overwrite ch other. What is the order of precedence for precedence for precedence for precedence for
Th Ke Vo dif ea Va	\$ will be treated as the start of a reference to another variable. scription (optional) e description of the variable's value or usage. y SH_PRIVATE_KEY_BASE64 u can use CI/CD variables with the same name in ferent places, but the variables might overwrite ch other. What is the order of precedence for iables?
Th Ke Vo dif ea Va	§ will be treated as the start of a reference to another variable. scription (optional) a description of the variable's value or usage. y SH_PRIVATE_KEY_BASE64 u can use CI/CD variables with the same name in ferent places, but the variables might overwrite ch other. What is the order of precedence for isbles? Use SFRNLxx2y9EK1d5Meyr5Xy64531427UVTF5M5 SFRNLxx2y9EK1d5Meyr5Xy64531427UVTF5M5 SFRNLxx2y9EK1d5Meyr5Xy64531427UVTF5M5 SFRNLxx2y9EK1d5Meyr5Xy64531427UVTF5M5 SFRNLxx2y9EK1d5Meyr5Xy64531427UVTF5M5 SFRNLxx2y9EK1d5Meyr5Xy64531427UVTF5M5 SFRNLxx2y9EK1d5Meyr5Xy64531427UVTF5M5 SFRNLxx2y9EK1d5Meyr5Xy64231427UVTF5M5 SFRNLxx2y9EK1d5Meyr5Xy64227UVT+5M5 SFRNLx22y9EK1d5Meyr5Xy6429 SFRNLx22y9EK1d5Meyr5Xy6429 SFRNLx22Y9EK1d5Weyr5Xy74449 SFRNLx24

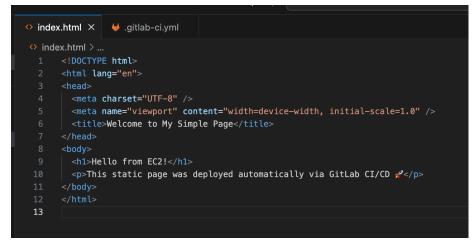
- Display that has been created from the project

dynoaryawana0708-group / deploy-ke-aws / Repository				
	master ~ dynoaryawana0708-project / + ~			
	[⊳] dynoaryawana0708-project			
	GitLab authored 2 Nov 2023	***		
	Name	Last commit		
	Name	i Asi commu		

- Adding origin into git

	🚞 CICD Gitlab — ubເ	untu@ip-10-0-0-13	3: ~ — -zs	sh — 86×24			
(base) dynoaryawana@D ab.com/dynoaryawana07 (base) dynoaryawana@D	- 08-group/dynoarya	awana0708-proj	ject	remote add	origin	https:/,	/gitl]

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



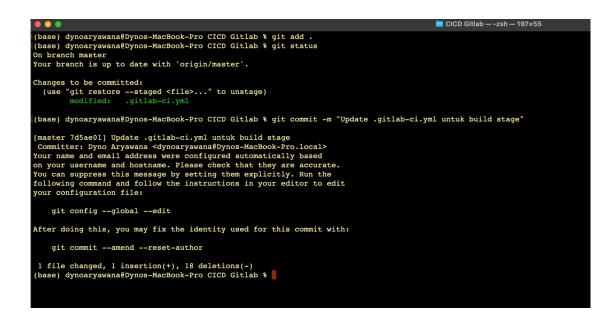
index.htm	ıl
🖊 .gitlab-ci	i.yml >
gitlak	o-ci - GitLab CI Configuration file (ci.json)
2 stag	ges:
	build
5 bui	ld:
6 s	tage: build
7 İr	mage: alpine
8 s	cript:
	– echo "HTML build selesai (tidak ada proses build)"
10 0	nly:
11	– master
12	

- Push to gitlab with :

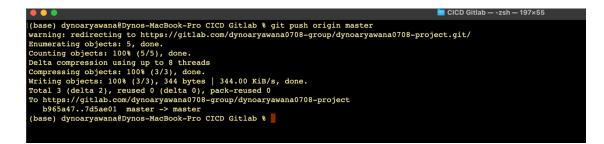
git add .

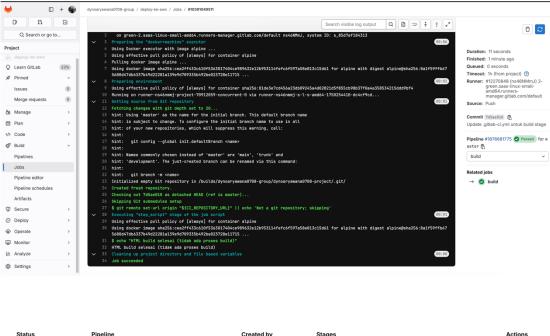
git status

git commit -m



- git push origin master





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

Status	Pipeline	Created by	Stages	Actions
 ♥ Passed ③ 00:00:11 ➡ 1 minute ago 	Update .gitlab-ci.yml untuk bulid stage #1876681775 I? master ∻ 7d5ae018 () [latest] branch	*	٥	<u> </u>

- Successfully pushed and built on gitlab

THANK YOU