

CI/CD WITH JENKINS

Install Jenkins In Mac OS

- Brew install Jenkins-lts

```
men666anas — -bash — 80x24

192:~ men666anas$ brew install jenkins-lts
Running `brew update --auto-update`...
==> Auto-updated Homebrew!
Updated 2 taps (homebrew/core and homebrew/cask).
==> New Formulae
cargo-crev gcc@11 gcem git-sync go@1.18 svt-av1
==> New Casks
yubihsm2-sdk

You have 13 outdated formulae installed.
You can upgrade them with brew upgrade
or list them with brew outdated.

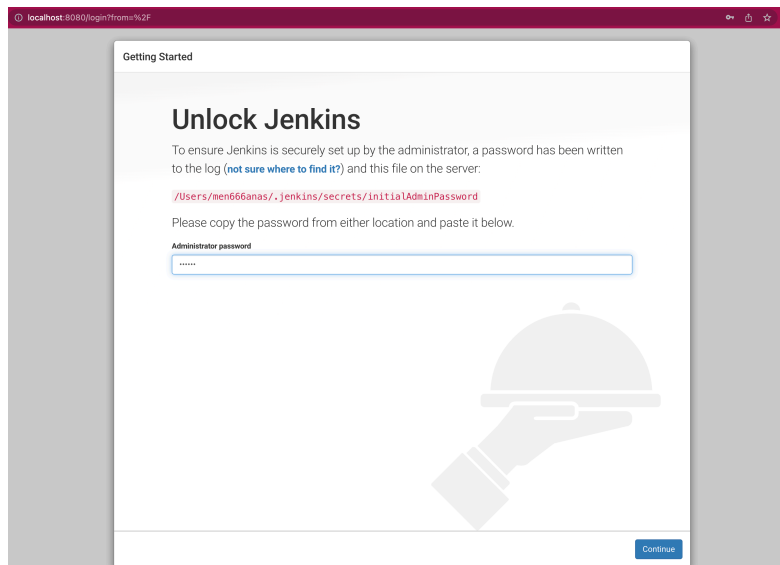
==> Downloading https://ghcr.io/v2/homebrew/core/openjdk/11/manifests/11.0.16
##### 100.0%
==> Downloading https://ghcr.io/v2/homebrew/core/openjdk/11/blobs/sha256:21efec7
==> Downloading from https://pkg-containers.githubusercontent.com/ghcr1/blobs/sh
##### 100.0%
==> Downloading https://ghcr.io/v2/homebrew/core/jenkins-lts/manifests/2.346.2
##### 100.0%
==> Downloading https://ghcr.io/v2/homebrew/core/jenkins-lts/blobs/sha256:cb47f0
==> Downloading from https://pkg-containers.githubusercontent.com/ghcr1/blobs/sh
##### 100.0%
```

- Brew services start jenkins-lts

```
men666anas — -bash — 80x24

192:~ men666anas$ brew services start jenkins-lts
==> Successfully started `jenkins-lts` (label: homebrew.mxcl.jenkins-lts)
192:~ men666anas$
```

- Unlock Jenkins



A screenshot of the Jenkins web interface. At the top, a browser tab shows 'localhost:8080'. The page header is 'Getting Started' with a help icon. The main heading is 'Customize Jenkins'. Below it, a paragraph states: 'Plugins extend Jenkins with additional features to support many different needs.' There are two main options: 'Install suggested plugins' (highlighted with a blue border) and 'Select plugins to install'. The first option says 'Install plugins the Jenkins community finds most useful.' The second option says 'Select and install plugins most suitable for your needs.' A large, faint watermark of a hand holding a dome-shaped object is visible in the background. The footer shows 'Jenkins 2.346.2'.

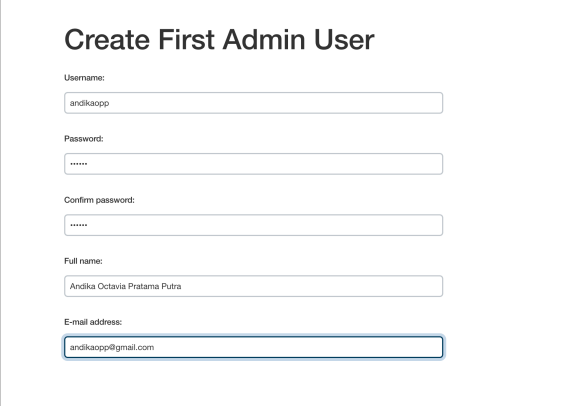
Getting Started

Getting Started

✓ Folders	OWASP Markup Formatter	Build Timeout	Credentials Binding	<pre> ** JaxbWsdl Activation Framework [API] API ** ZoroMail API Folders ** Ruck SSO2 API :: Common ** Ruck SSO2 API :: Core ** SSO2 Server </pre>
Timestamp	Workspace Cleanup	Ant	Grade	
Pipeline	GitHub Branch Source	Pipeline: GitHub Groovy Libraries	Pipeline: Stage View	
Git	SSH Build Agents	Matrix Authorization Strategy	PAM Authentication	
LDAP	Email Extension	Mailer		

** - required dependency

Jenkins 2.346.2



Getting Started

Create First Admin User

Username:

Password:

Confirm password:

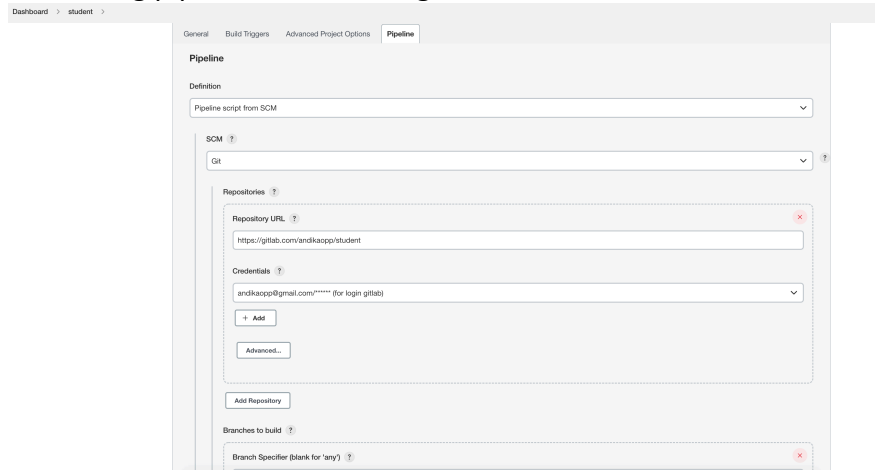
Full name:

E-mail address:

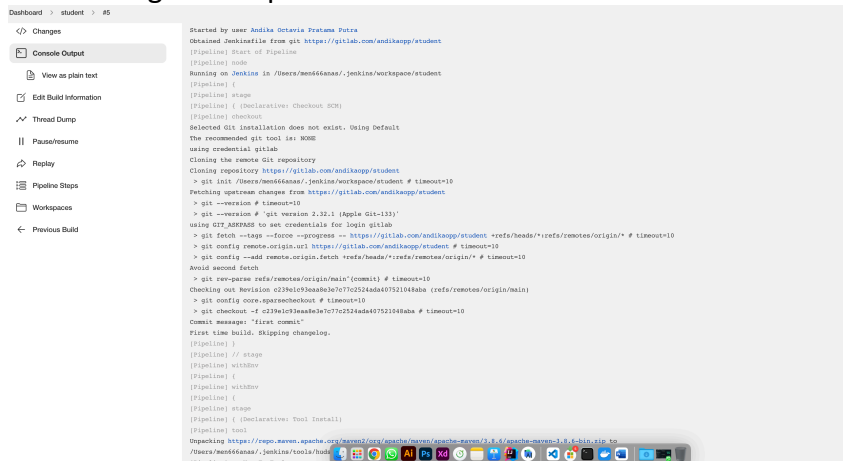
Jenkins 2.346.2

[Skip and continue as admin](#) [Save and Continue](#)

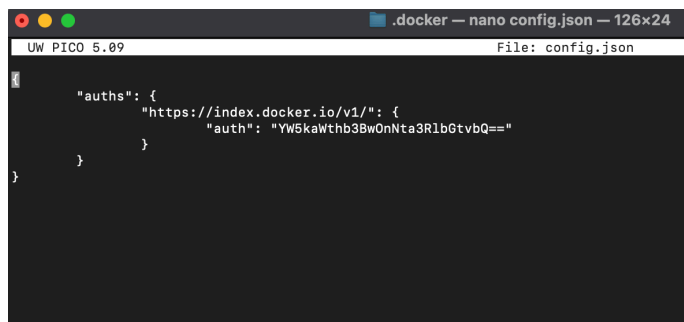
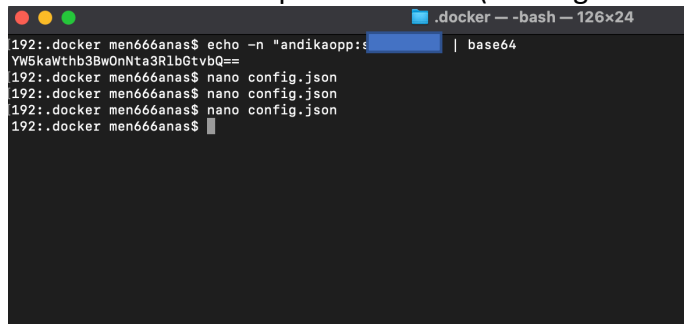
- Setting pipeline arahkan ke gitlab source kita



- Running Build Pipeline



- Encode user and pass to base64 (running on macOS)



- Pipeline success

```
localhost:8080/job/student/24/console
Dashboard > student > #24

b98596119464: Retrying in 3 seconds
9400a5d459ea: Retrying in 3 seconds
6adc00ba480: Retrying in 2 seconds
b98596119464: Retrying in 2 seconds
9400a5d459ea: Retrying in 2 seconds
6adc00ba480: Retrying in 1 second
b98596119464: Retrying in 1 second
9400a5d459ea: Retrying in 1 second
6adc00ba480: Pushed
9400a5d459ea: Pushed
b98596119464: Pushed
bc059f1dccef: Pushed
298c3b2644: Pushed
7304c094a9b8: Pushed
93351e248efe: Pushed
latest: digest: sha256:34934109454840806e7a2fb1dca005b624cf93523a64d66ee66cb222d754957 else: 1782
[Pipeline] sh
+ docker rmi andikaopp/student:latest
Untagged: andikaopp/student:latest
Untagged: andikaopp/student@sha256:34934109454840806e7a2fb1dca005b624cf93523a64d66ee66cb222d754957
[Pipeline] }
[Pipeline] // withCredentials
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

- Success uploaded on docker hub

