Jenkins Installation with Docker

Step 1: Pull the Jenkins LTS Docker image:

docker pull jenkins/jenkins:lts

```
PS C:\Users\balas> docker pull jenkins/jenkins:lts
lts: Pulling from jenkins/jenkins
9e6f96481dc6: Download complete
0867b45f78b4: Download complete
768595d27f0b: Download complete
66714a60a07a: Download complete
e37c8a6a1d29: Download complete
d0238388e632: Download complete
8d5cd706e369: Download complete
91944ded7dbca: Download complete
e1d3077f0c0c: Download complete
e1d3077f0c0c: Download complete
2902ddfaf8af: Download complete
37b0412849e4: Download complete
b2b31b28ee3c: Download complete
Digest: sha256:e728082cd6a2710840ef7d9fdcdc93408eb488aa05d10bc92f4454254e22cc4e
Status: Downloaded newer image for jenkins/jenkins:lts
docker.io/jenkins/jenkins:lts
```

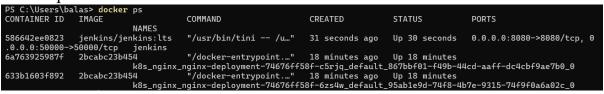
Step 2: Run Jenkins in a Docker container:

docker run -d -p 8080:8080 -p 50000:50000 --name jenkins -v jenkins_home:/var/jenkins_home -v /var/run/docker.sock:/var/run/docker.sock jenkins/jenkins:lts

```
PS C:\Users\balas> docker run -d -p 8080:8080 -p 50000:50000 --name jenkins -v jenkins_home:/var/jenkins_home -v /var/ru n/docker.sock:/var/run/docker.sock jenkins/jenkins:lts 586642ee08234e9098bd592cb2774cc22df23c18ce760c4a4bc234cb45018dfa
```

Step 2.1 Check if the Jenkins container is running:

docker ps



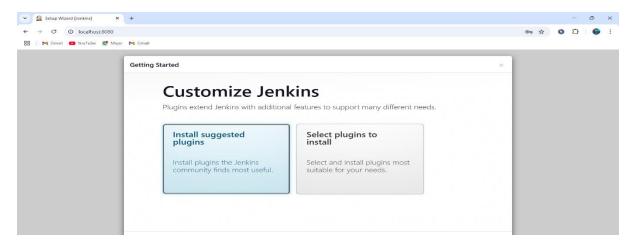
Step 3 Access Jenkins:

- Open a browser and go to http://localhost:8080.
- Follow the on-screen instructions to unlock Jenkins.

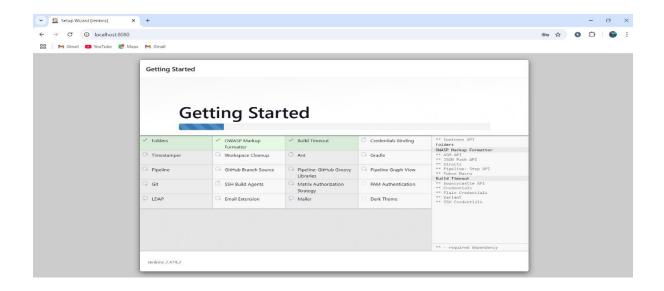


The initial password can be found in the container logs: docker logs jenkins

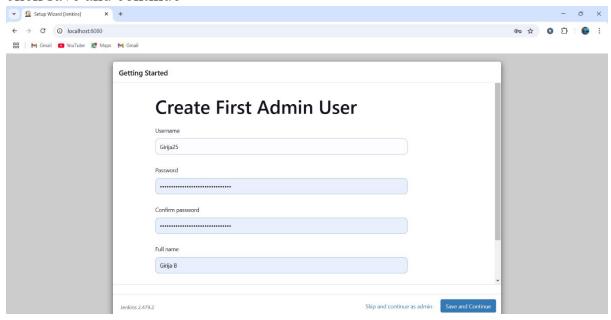




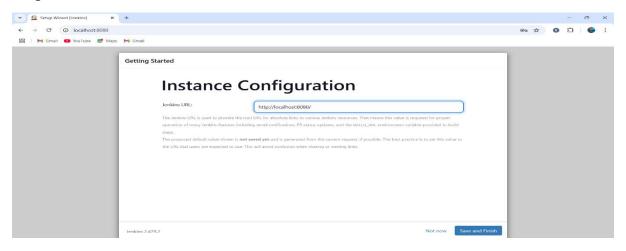
Step 4: Give this password in it and click continue and install it.



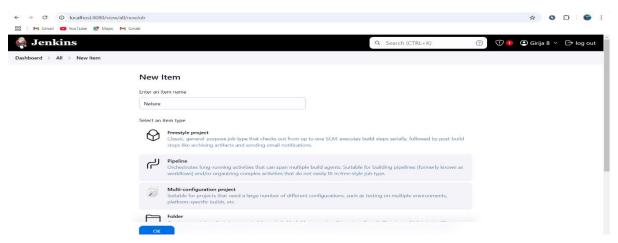
Step 5: After completing the installation process give admin user details and click save and continue



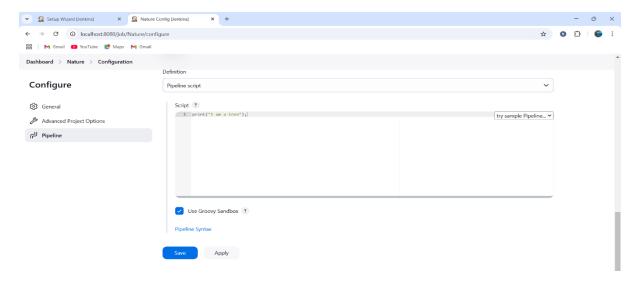
Step 6: Click save and finish.



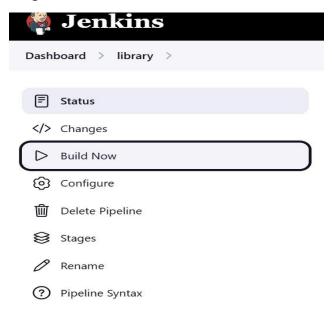
Step 7 : Click on new item



Step 8: You can give any python code in it.



Step 9: Click on build now:



Step 10: You will get the output.

