Day 27 Task: Jenkins Declarative Pipeline with Docker



Use your Docker Build and Run Knowledge

docker build - you can use sh 'docker build . -t <tag>' in your pipeline stage block to run the docker build command.

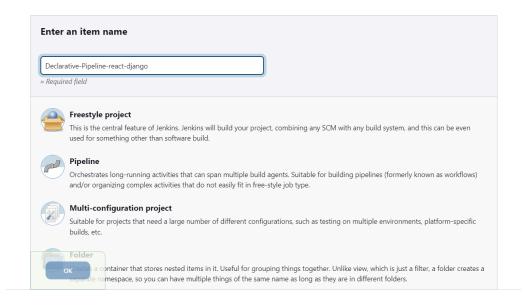
docker run: you can use sh'docker run -d <image>' in your pipeline stage block to build the container.

How will the stages look

```
stages {
    stage('Build') {
        steps {
          sh 'docker build -t basanagoudapatil02/django-app:latest'
        }
    }
}
```

Task-01

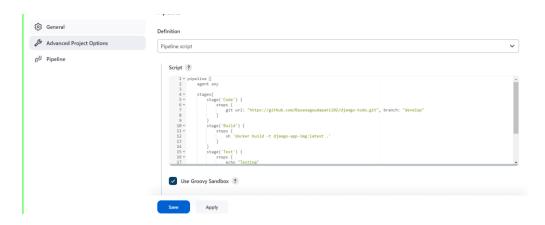
- Create a docker-integrated Jenkins declarative pipeline
 - 1. Login to Jenkins and click on new item, Provide desired name and select "Pipeline" and click on "Ok" button.



2. Use the below-given syntax using sh inside the stage block

```
pipline {
  agent any
  stages{
     stages('code'){
       steps{
          git url: https://github.com/Basanagoudapatil02/django-todo.git',branch
'main'
     }
     stage('Build'){
       Steps {
          sh'docker build . -t react-django-docker-img:latest'
     }
     stage('Test'){
       Steps{
          echo "Testing"
     stage('Deploy'){
       Steps{
          sh "docker run -d react-django-docker-jenkins -p 8001:8001 react-
django-docker-img:lastest"
```

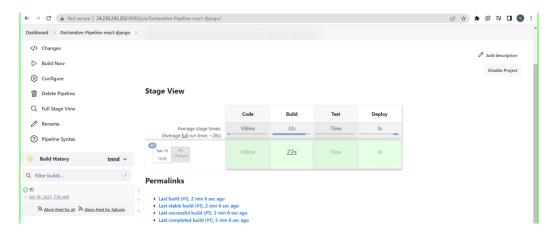
```
.
l
```

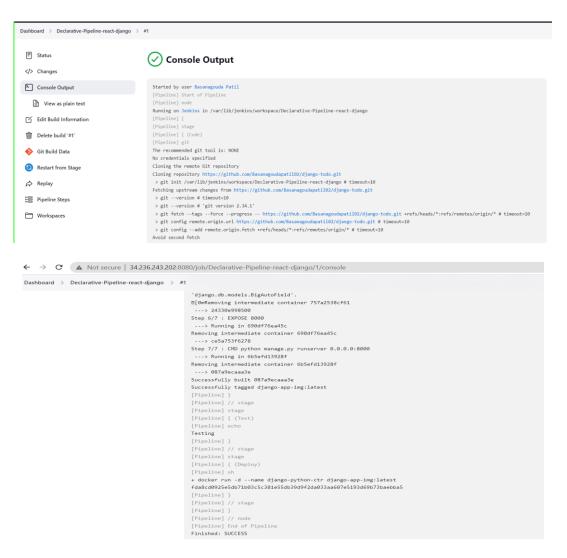


✓ Use Groovy Sandbox ?

Pipeline Syntax

3. Click on Save. Click on "Build Now".





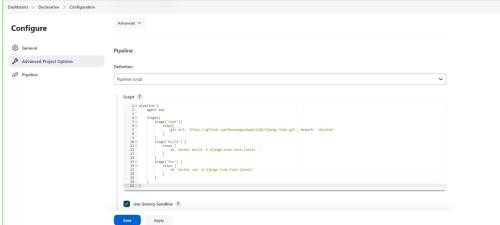
- You will face errors in case of running a job twice, as the docker container will be already created, so for that do task 2
 - 1. Run pipeline once again by clicking on "Build Now" button from dashboard.



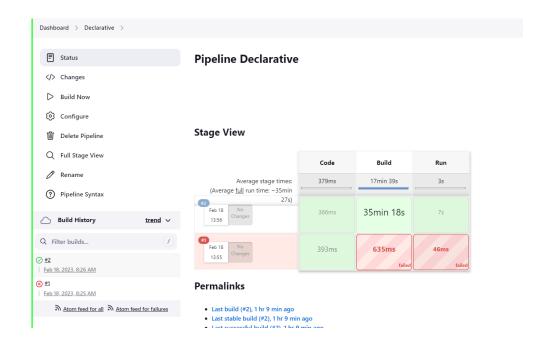
2. Error will pop up when we run same job twice.

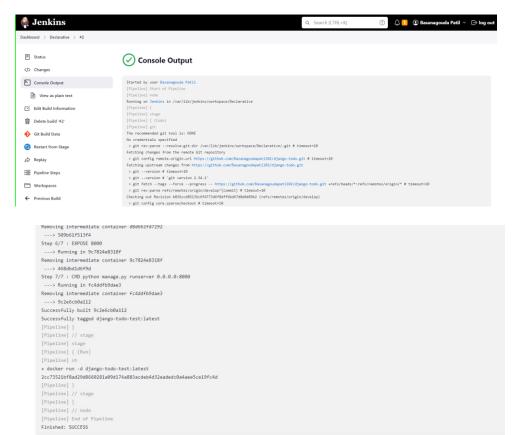
Task-02

• Create a docker-integrated Jenkins declarative pipeline using the docker groovy syntax inside the stage block.



Click on Save and then click on Build Now.





Happy Learning:)