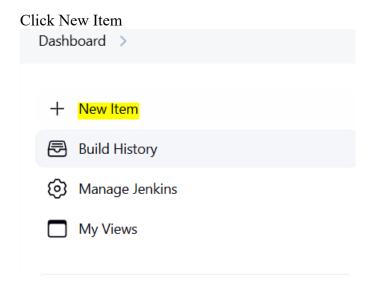
Docker Jenkins Pipeline (Build and Push)

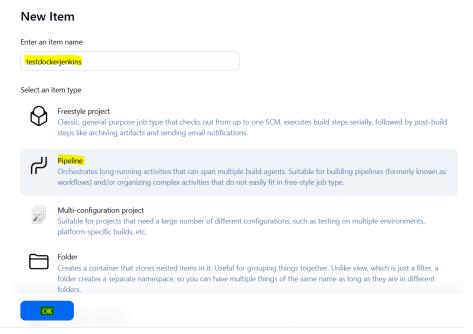
Pre-requisite:

- Jenkins already installed
- Docker Pipeline Plugins installed
- Jenkins user already included in docker group [ronslim@ansiblec ~]\$ groups jenkins jenkins : jenkins wheel docker

Create a Pipeline

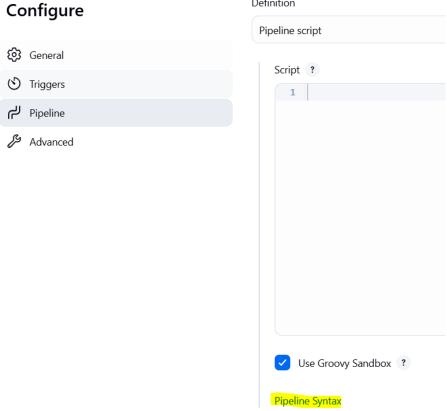


Enter an item name then click Pipeline then click OK button.



Create a Docker Registry Credential

Then go to Pipeline Section and click Pipeline Syntax



On Pipeline Syntax window, put withDockerRegistry... Then click + Add to add registry credentials

Overview

This **Snippet Generator** will help you learn the Pipeline Script code which can be used to define various **Generate Pipeline Script**, and you will see a Pipeline Script statement that would call the step with that or pick up just the options you care about. (Most parameters are optional and can be omitted in your sci

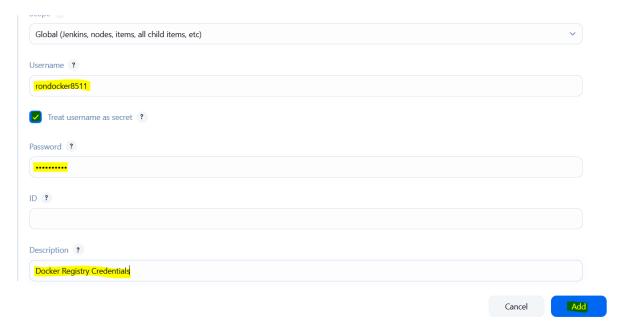
Then click Jenkins

Overview

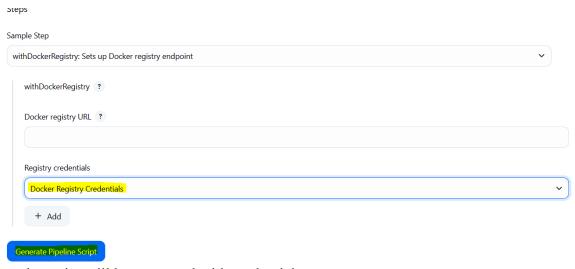


Then fill-out Username and Password and check Treat username as secret. You can also fill-out the description (optional). Then click Add button.

Jenkins Credentials Provider: Jenkins



After clicking Add button, you will go back to Pipeline Syntax window. Then choose Docker Registry Credentials on Registry Credentials and click Generate Pipeline Script.



Then the script will be generated with credentials

Generate Pipeline Script

```
// This step should not normally be used in your script. Consult the inline help for details. withDockerRegistry(credentialsId: ' ( ) { // some block }
```



Pipeline Script

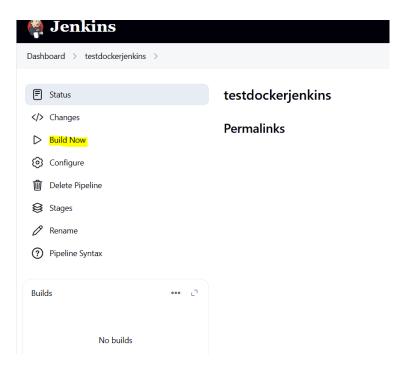
Then exit the Pipeline Syntax window and then put to the Pipeline Script Below and click Save button:

Notice that in the above script, we have 2 stages, DockerBuild and DockerPush. DockerBuild is to build the docker image from dockerfile. DockerPush is to push the docker image to the docker hub. Tag Name for this example is testjenkinsdocker.

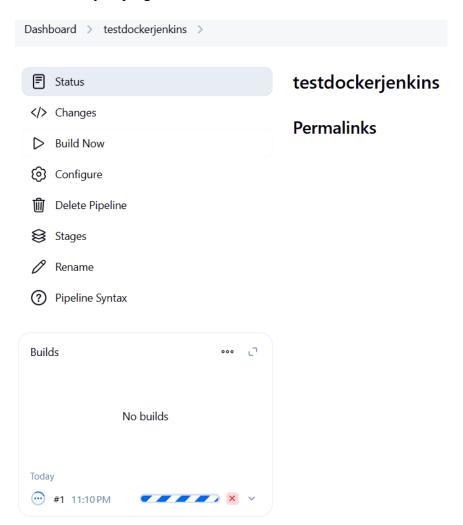


Run Pipeline

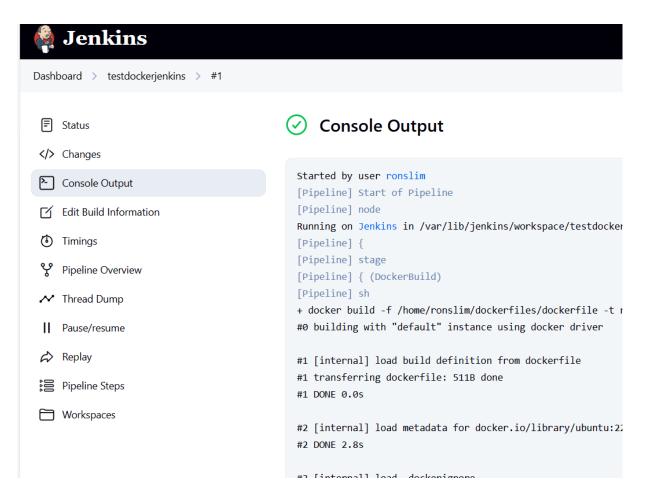
Then click Build Now to start the build



Build already in progress.



You can monitor by clicking below today. Then click Console Output to check progress.



Post Check Result

If pipeline ran successfully then check first if it is in docker images.

```
[ronslim@ansiblec ~]$ docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

rondocker8511/rondockerrep testjenkinsdocker 46db6f07df6c 8 hours ago 654MB

gcr.io/k8s-minikube/kicbase v0.0.46 e72c4cbe9b29 4 months ago 1.31GB

[ronslim@ansiblec ~]$ |
```

Then check the docker hub.

