Jenkins 102

Way to create a simple Jenkins Job

1. Bring the Jenkins server up via the `docker-compose up` command and access it at

http://localhost:8080

1. Create a bash script for the Jenkins Job as follows:

firstJenkinsJob.sh

#!/bin/bash

SHOW=$1

NAME=$2

LASTNAME=$3

if [ "$SHOW" = "true" ]; then

echo "Hello, $NAME $LASTNAME"

else

echo "if you want to see the name, please mark the show option"

fi

1. Now, go to Jenkin webpage and click on `+ new item`
2. Enter name of the Job and click on `Freestyle Project`
3. Enter brief description of the Job
4. Tick the check for `This project is Parameterized`
   1. Click on `Add Parameter` and select Boolean Parameter with Name as `SHOW`
   2. Click on `Add Parameter` and select String Parameter with Name as `NAME`
   3. Click on `Add Parameter` and select String Parameter with Name as `LASTNAME`
5. Move the Bash file from local computer to Jenkins Docker container with following command:

Docker cp firstJenkinsJob.sh jenkins:/tmp/firstJenkinsJob.sh

NOTE: `jenkins` in above command represents the name of the Jenkins docker container.

1. Now, give the `jenkins` docker container permission to execute this bash file
   1. Interactive login in Jenkins docker

Command: docker exec -ti jenkins bash

* 1. Now, give `jenkins` docker, access to bash file

Command: chmod +x ./firstJenkinsJob.sh

1. Now, go back to Jenkins website and select Build Steps as`Execute shell`. Enter the following command

/tmp/firstJenkinsJob.sh $SHOW $NAME $LASTNAME

1. Click `Save`
2. Now, click on Build with Parameter
3. Enter the parameters and click on the `Build` button.
4. Congrats, your first Jenkins job is successfully complete.