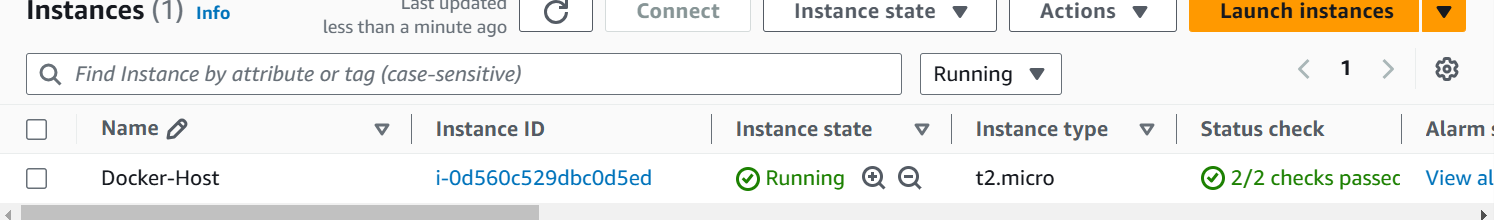
**Docker Assignment**

1. Create 1 instances (Docker-host)



1. Login Docker-host
2. Install java and Apache tomcat and install Jenkins’s war file
3. Configure Jenkins
4. Create pipeline of groovy
5. pipeline{
6. agent{
7. label{
8. label "built-in"
9. }
10. }
11. stages{
12. stage("install docker"){
13. steps{
14. sh '''
15. yum install docker -y
16. systemctl enable docker
17. systemctl start docker
18. '''
19. }
20. }
21. stage("images"){
22. steps{
23. sh '''
24. cd /mnt
25. docker pull httpd
26. docker pull tomcat
27. '''
28. }
29. }
30. }
31. }

6. go to Jenkins and create new job🡪 paste groovy code

7. then start build and check error

Started by user [Tushar Chavan](http://3.110.176.207:8080/jenkins/user/412tushar)

[Pipeline] Start of Pipeline

[Pipeline] node

Running on [Jenkins](http://3.110.176.207:8080/jenkins/computer/(built-in)/) in /root/.jenkins/workspace/Docker

[Pipeline] {

[Pipeline] stage

[Pipeline] { (install docker)

[Pipeline] sh

+ yum install docker -y

Loaded plugins: extras\_suggestions, langpacks, priorities, update-motd

Resolving Dependencies

--> Running transaction check

---> Package docker.x86\_64 0:25.0.6-1.amzn2.0.2 will be installed

--> Processing Dependency: containerd >= 1.3.2 for package: docker-25.0.6-1.amzn2.0.2.x86\_64

--> Processing Dependency: libcgroup >= 0.40.rc1-5.15 for package: docker-25.0.6-1.amzn2.0.2.x86\_64

--> Processing Dependency: runc >= 1.0.0 for package: docker-25.0.6-1.amzn2.0.2.x86\_64

--> Processing Dependency: pigz for package: docker-25.0.6-1.amzn2.0.2.x86\_64

--> Running transaction check

---> Package containerd.x86\_64 0:1.7.22-1.amzn2.0.2 will be installed

---> Package libcgroup.x86\_64 0:0.41-21.amzn2 will be installed

---> Package pigz.x86\_64 0:2.3.4-1.amzn2.0.1 will be installed

---> Package runc.x86\_64 0:1.1.14-1.amzn2 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

================================================================================

Package Arch Version Repository Size

================================================================================

Installing:

docker x86\_64 25.0.6-1.amzn2.0.2 amzn2extra-docker 45 M

Installing for dependencies:

containerd x86\_64 1.7.22-1.amzn2.0.2 amzn2extra-docker 30 M

libcgroup x86\_64 0.41-21.amzn2 amzn2-core 66 k

pigz x86\_64 2.3.4-1.amzn2.0.1 amzn2-core 81 k

runc x86\_64 1.1.14-1.amzn2 amzn2extra-docker 3.2 M

Transaction Summary

================================================================================

Install 1 Package (+4 Dependent packages)

Total download size: 78 M

Installed size: 285 M

Downloading packages:

--------------------------------------------------------------------------------

Total 61 MB/s | 78 MB 00:01

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Installing : runc-1.1.14-1.amzn2.x86\_64 1/5

Installing : containerd-1.7.22-1.amzn2.0.2.x86\_64 2/5

Installing : libcgroup-0.41-21.amzn2.x86\_64 3/5

Installing : pigz-2.3.4-1.amzn2.0.1.x86\_64 4/5

Installing : docker-25.0.6-1.amzn2.0.2.x86\_64 5/5

Verifying : docker-25.0.6-1.amzn2.0.2.x86\_64 1/5

Verifying : pigz-2.3.4-1.amzn2.0.1.x86\_64 2/5

Verifying : runc-1.1.14-1.amzn2.x86\_64 3/5

Verifying : containerd-1.7.22-1.amzn2.0.2.x86\_64 4/5

Verifying : libcgroup-0.41-21.amzn2.x86\_64 5/5

Installed:

docker.x86\_64 0:25.0.6-1.amzn2.0.2

Dependency Installed:

containerd.x86\_64 0:1.7.22-1.amzn2.0.2 libcgroup.x86\_64 0:0.41-21.amzn2

pigz.x86\_64 0:2.3.4-1.amzn2.0.1 runc.x86\_64 0:1.1.14-1.amzn2

Complete!

+ systemctl enable docker

Created symlink from /etc/systemd/system/multi-user.target.wants/docker.service to /usr/lib/systemd/system/docker.service.

+ systemctl start docker

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (images)

[Pipeline] sh

+ cd /mnt

+ docker pull httpd

Using default tag: latest

latest: Pulling from library/httpd

a480a496ba95: Pulling fs layer

3a2663e66670: Pulling fs layer

4f4fb700ef54: Pulling fs layer

dbde712f81fb: Pulling fs layer

867b2ea3628d: Pulling fs layer

6bd9d3710aae: Pulling fs layer

dbde712f81fb: Waiting

867b2ea3628d: Waiting

6bd9d3710aae: Waiting

3a2663e66670: Verifying Checksum

3a2663e66670: Download complete

4f4fb700ef54: Verifying Checksum

4f4fb700ef54: Download complete

a480a496ba95: Verifying Checksum

a480a496ba95: Download complete

dbde712f81fb: Verifying Checksum

dbde712f81fb: Download complete

867b2ea3628d: Verifying Checksum

867b2ea3628d: Download complete

6bd9d3710aae: Verifying Checksum

6bd9d3710aae: Download complete

a480a496ba95: Pull complete

3a2663e66670: Pull complete

4f4fb700ef54: Pull complete

dbde712f81fb: Pull complete

867b2ea3628d: Pull complete

6bd9d3710aae: Pull complete

Digest: sha256:bbea29057f25d9543e6a96a8e3cc7c7c937206d20eab2323f478fdb2469d536d

Status: Downloaded newer image for httpd:latest

docker.io/library/httpd:latest

+ docker pull tomcat

Using default tag: latest

latest: Pulling from library/tomcat

ff65ddf9395b: Pulling fs layer

1fffcd81c86b: Pulling fs layer

23441222f0af: Pulling fs layer

9ad70f2fec4f: Pulling fs layer

eb1faaa4cea3: Pulling fs layer

64473b717cff: Pulling fs layer

4f4fb700ef54: Pulling fs layer

ed0603f1436c: Pulling fs layer

9ad70f2fec4f: Waiting

eb1faaa4cea3: Waiting

64473b717cff: Waiting

4f4fb700ef54: Waiting

ed0603f1436c: Waiting

1fffcd81c86b: Verifying Checksum

1fffcd81c86b: Download complete

ff65ddf9395b: Verifying Checksum

ff65ddf9395b: Download complete

9ad70f2fec4f: Verifying Checksum

9ad70f2fec4f: Download complete

eb1faaa4cea3: Verifying Checksum

eb1faaa4cea3: Download complete

23441222f0af: Verifying Checksum

23441222f0af: Download complete

64473b717cff: Verifying Checksum

64473b717cff: Download complete

4f4fb700ef54: Verifying Checksum

4f4fb700ef54: Download complete

ed0603f1436c: Verifying Checksum

ed0603f1436c: Download complete

ff65ddf9395b: Pull complete

1fffcd81c86b: Pull complete

23441222f0af: Pull complete

9ad70f2fec4f: Pull complete

eb1faaa4cea3: Pull complete

64473b717cff: Pull complete

4f4fb700ef54: Pull complete

ed0603f1436c: Pull complete

Digest: sha256:7e26fc3555d46ac4446763f182af86287308d6251b234b5a3428d255dbc59582

Status: Downloaded newer image for tomcat:latest

docker.io/library/tomcat:latest

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] // node

[Pipeline] End of Pipeline

Finished: SUCCESS