**#sudo vi /etc/ansible/hosts**

[docker]

my\_docker\_host ansible\_host=172.31.45.120 ansible\_python\_interpreter=/usr/bin/python3.7

**tomcat.yaml**

|  |
| --- |
| --- |
|  | - hosts: docker |
|  | user: pradip |
|  | become: yes |
|  | connection: ssh |
|  | gather\_facts: yes |
|  |  |
|  | tasks: |
|  |  |
|  |  |
|  | - name: pull an image |
|  | docker\_image: |
|  | name: tomcat:9.0.73 |
|  | tag: 9.0.73 |
|  | source: pull |
|  |  |
|  | - name: pull an image |
|  | docker\_image: |
|  | name: docker |
|  | source: pull |
|  |  |
|  | - name: Start Docker |
|  | docker\_container: |
|  | image: docker |
|  | name: docker-1 |
|  | state: started |
|  |  |
|  | - name: creating volume |
|  | file: |
|  | path: /mnt/data |
|  | state: directory |
|  |  |
|  | - name: copy |
|  | action: copy src=/mnt/project/gameoflife-web/target/gameoflife.war dest=/mnt/data |
|  |  |
|  | - name: Start Docker container |
|  | docker\_container: |
|  | name: tomcat |
|  | image: tomcat:9.0.73 |
|  | ports: |
|  | - "8082:8080" |
|  | volumes: |
|  | - "/mnt/data:/usr/local/tomcat/webapps" |
|  | state: started |
|  | restart\_policy: always |

**Jenkinsfile**

|  |
| --- |
| pipeline { |
|  |  |
|  | agent { |
|  |  |
|  | label { |
|  |  |
|  | label "built-in" |
|  | customWorkspace "/mnt/project" |
|  | } |
|  | } |
|  |  |
|  | stages { |
|  |  |
|  | stage ("deployg ame-of-life") { |
|  |  |
|  | steps { |
|  | sh "sudo yum install maven -y" |
|  | sh " mvn install" |
|  | sh "ansible-playbook tomcat.yaml -e ansible\_python\_interpreter=/usr/bin/python3.7" |
|  |  |
|  | } |
|  |  |
|  |  |
|  | } |
|  |  |
|  |  |
|  | } |
|  |  |
|  | } |