TO BUILD .WAR ON MASTER AND DEPLOY IT ON TWO NODES FOR TWO DIFFERENT PORTS (8080 AND 8090) USING DOCKER-COMPOSE FILE.

STEP1) launch Master and two slave



Step2) write code for stage one

Clone the code from Git repo

Build gameoflife.war on Master and also copy it on both the nodes simultaneously

```
Script ?
   1 → pipeline {
           agent none
    3 ₹
           stages {
    4 +
                     stage ('git-clone-to-master'){
                       agent {
    6 +
                       node{
                               label 'built-in'
                               customWorkspace '/root/Assignment/'
    8
    9
   10
   11
   12 -
                       tools {
                                mayen 'mayen3.0'
   13
   14
                                jdk 'java1.8'
   15
   16 -
                       environment -
                                   PATH = "/root/maven/apache-maven-3.8.6/bin:$PATH"
   17
   18
   19 🕶
                       steps {
   20
                               git 'https://github.com/ashrayp18/game-of-life.git'
   21
                               sh "mvn install"
   22
                               sh "cp /root/Assignment/gameoflife-web/target/gameoflife.war /root/tommy/apache-tomcat-9.0.65/webapps/"
                               sh " sudo scp -i /root/test.pem /root/Assignment/gameoflife-web/target/gameoflife.war ec2-user@172.31.20.150:/home/ec2-user/docker/"
   23
                               sh " sudo scp -i /root/test.pem /root/Assignment/gameoflife-web/target/gameoflife.war ec2-user@172.31.17.248:/home/ec2-user/docker/"
   24
   25
   26
```

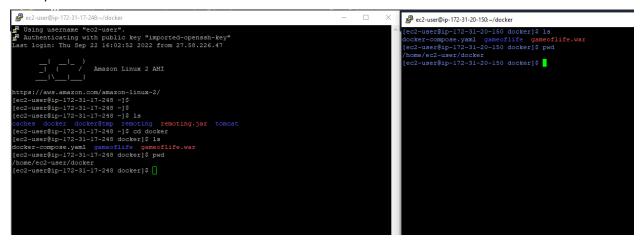
STEP3) COPY THE GAMEOFLIFE.WAR to Node1 (DEV ENV) CLONE THE GIT REPO (DOCKER-COMPOSE FILE) to NODE1

```
27
28
29 +
                    stage ('running-docker-comopse-on-node-1'){
30 ×
                           agent {
31 •
                                   node{
32
                                           label '172.31.20.150'
33
                                           customWorkspace '/home/ec2-user/docker/'
34
35
36 ▼
                     steps {
37
                            git 'https://github.com/ashrayp18/Project-docker-compose.git'
                            sh " sudo systemctl start docker"
38
39
                            sh "sudo docker-compose down"
40
                            sh " sudo docker-compose up -d"
41
42
```

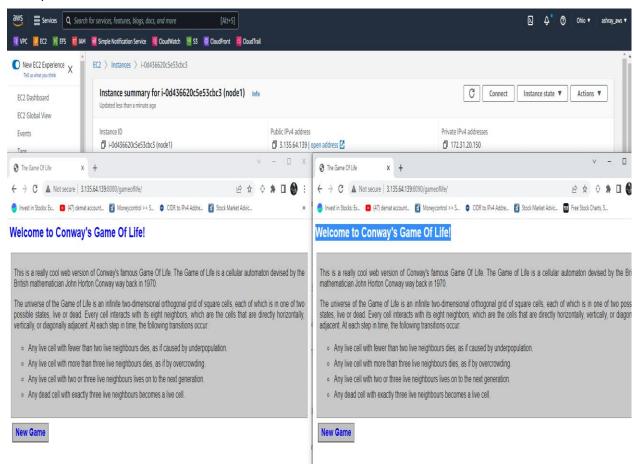
STEP4) COPY THE GAMEOFLIFE.WAR to Node2 (QA ENV) CLONE THE GIT REPO (DOCKER-COMPOSE FILE) to NODE2

```
39
                            sh "sudo docker-compose down"
40
                            sh " sudo docker-compose up -d"
41
42
43
44 🔻
                stage ('running-docker-comopse-on-node-2'){
45 🕶
                            agent {
46 *
                                   node{
47
                                           label '172.31.17.248'
48
                                           customWorkspace '/home/ec2-user/docker/'
49
50
51 +
                     steps {
52
                            git 'https://github.com/ashrayp18/Project-docker-compose.git'
53
                            sh " sudo systemctl start docker"
54
                            sh "sudo docker-compose down"
55
                            sh " sudo docker-compose up -d"
```

STEP5) LOGIN AND CHECK ON NODES IF FILES ARE PRESENT



STEP6) CHECK THE PUBLIC IP FOR NODE ONE ON PORT 8080 and 8090



STEP7) CHECK THE PUBLIC IP FOR NODE ONE ON PORT 8080 and 8090

