

CREATING INSTANCE:

Instances (1/2) Info

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 D
JenkinsInstance	i-04360505948a652bb	Terminated	t2.micro	-	No alarms	us-east-1a	-
kubernetesinst...	i-03c27fd08eeae5287	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	ec2-54-242-48

Instance: i-03c27fd08eeae5287 (kubernetesinstance)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

Instance summary info

Instance ID: i-03c27fd08eeae5287 (kubernetesinstance)

Public IPv4 address: 54.242.48.221 | [open address](#)

Private IPv4 addresses: 172.31.24.97

Instance state: **Running**

Public IPv4 DNS: ec2-54-242-48-221.compute-1.amazonaws.com | [open address](#)

Host type: t2.micro

Private IP DNS name (IPv4 only): ip-172-31-24-97.ec2.internal

SETUP ENVIRONMENT:

```
ubuntu@ip-172-31-85-68:~$ sudo apt-get install docker.io -y
[INFO] Installing /home/ubuntu/SpringBootDockerApp/pom.xml to /home/ubuntu/.m2/repository/com/example/demo-docker/0.0.1-SNAPS
[INFO] BUILD SUCCESS
[INFO] Total time: 11.367 s
[INFO] Finished at: 2022-10-07T06:05:30Z
Step 1/5 : FROM java
manifest for java:latest not found: manifest unknown: manifest unknown
ubuntu@ip-172-31-85-68:~$ sudo docker build -t springboot .
Sending build context to Docker daemon 17.62MB
Step 1/5 : FROM java
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ubuntu@ip-172-31-85-68:~$ sudo docker run --name springboot --port=8082 springboot
pod/springbootapp created
ubuntu@ip-172-31-85-68:~$ kubectl get pods
NAME READY STATUS RESTARTS AGE
springbootapp 0/1 Pending 0 15s
ubuntu@ip-172-31-85-68:~$ kubectl expose pod/springbootapp --port=8082 --target-port=8082 --type=LoadBalancer
Error from server (NotFound): pods "springbootapp" not found
ubuntu@ip-172-31-85-68:~$ kubectl expose pod/springbootapp --port=8082 --target-port=8082 --type=LoadBalancer
service/springbootapp exposed
ubuntu@ip-172-31-85-68:~$ kubectl get service
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 47m
springbootapp LoadBalancer 10.103.197.28 <pending> 8082:30950/TCP 86s
ubuntu@ip-172-31-85-68:~$ kubectl describe svc springbootapp
Name:
Namespace: default
Labels:
Annotations:
Selector: run=springbootapp
Type: LoadBalancer
IP Family Policy: SingleStack
IP Families: IPv4
IPs: 10.103.197.28
Port:
TargetPort: 8082/TCP
NodePort: <unset> 30950/TCP
Endpoints:
Session Affinity: None
External Traffic Policy: Cluster
Events:
ubuntu@ip-172-31-85-68:~$
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