Kubernetes - 2

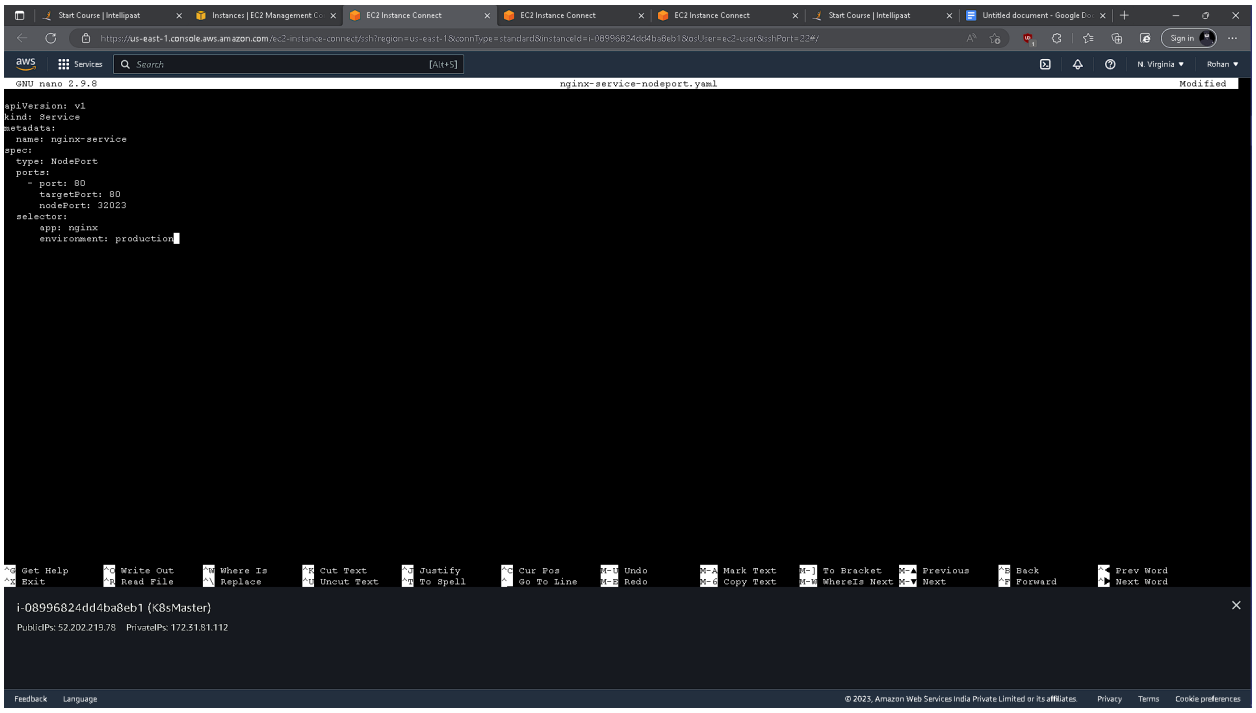
You have been asked to:

- **Use the previous deployment**
- **Create a service of type NodePort for nginx deployment**
- **Check the nodeport service on a browser to verify**

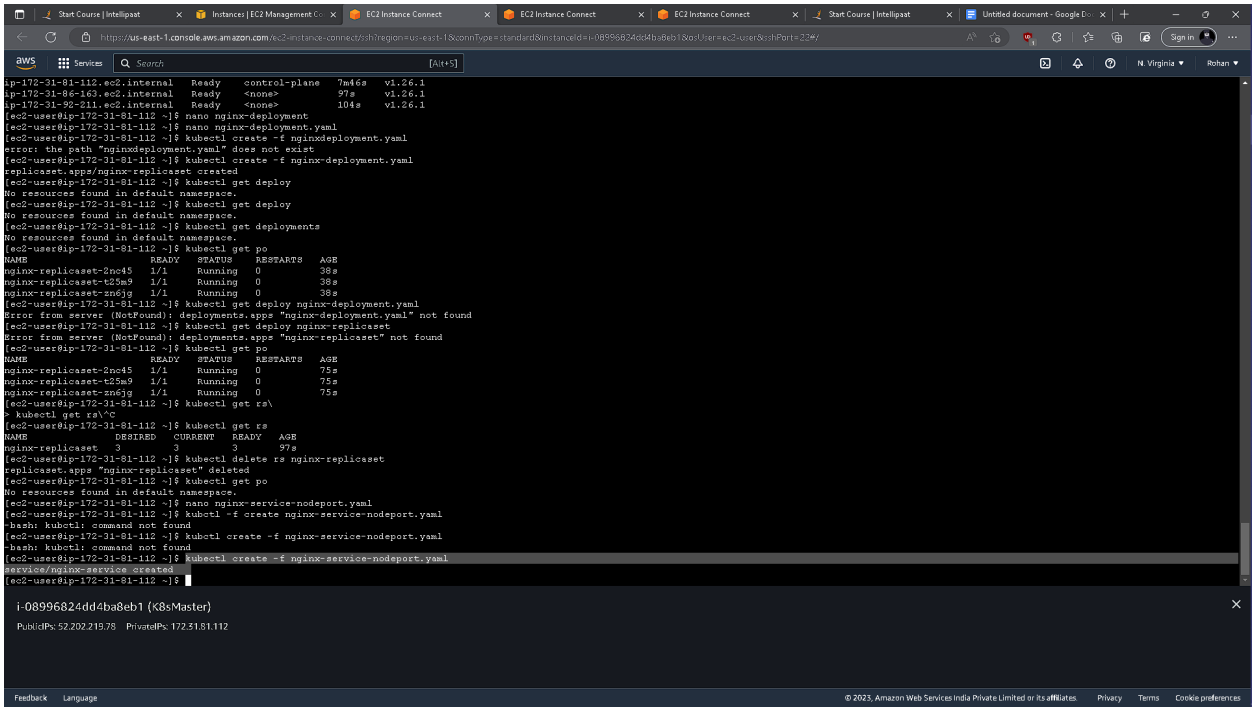
Nano nginx-nodeport-service.yaml

Paste this:

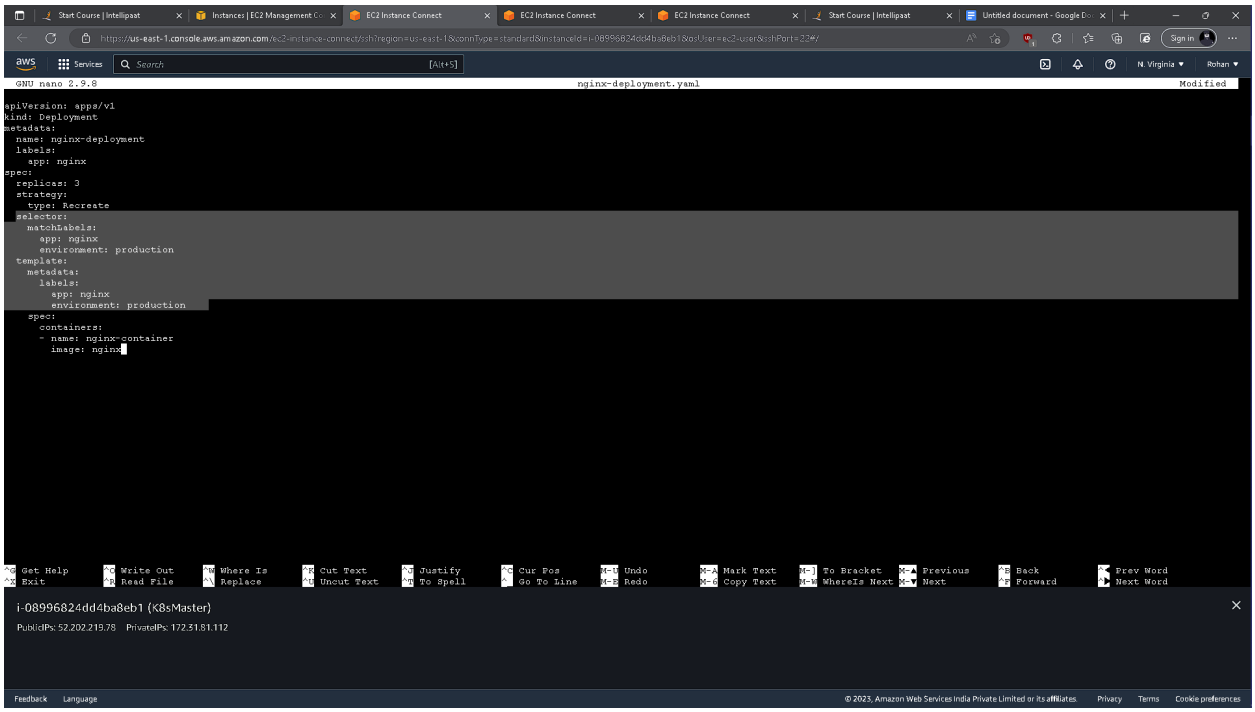
```
apiVersion: v1
kind: Service
metadata:
  name: nginx-service
spec:
  type: NodePort
  ports:
    - port: 80
      targetPort: 80
      nodePort: 32023
  selector:
      app: nginx
      environment: production
```



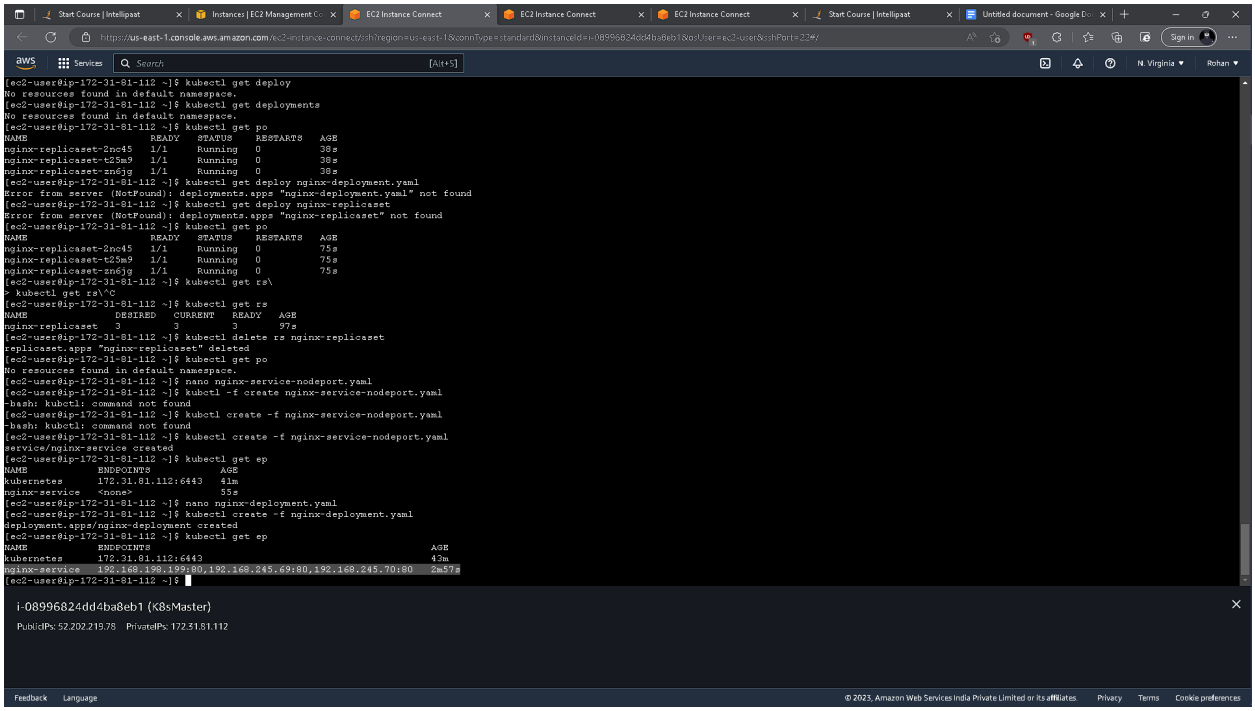
Kubectl create -f nginx-nodeport-service.yaml



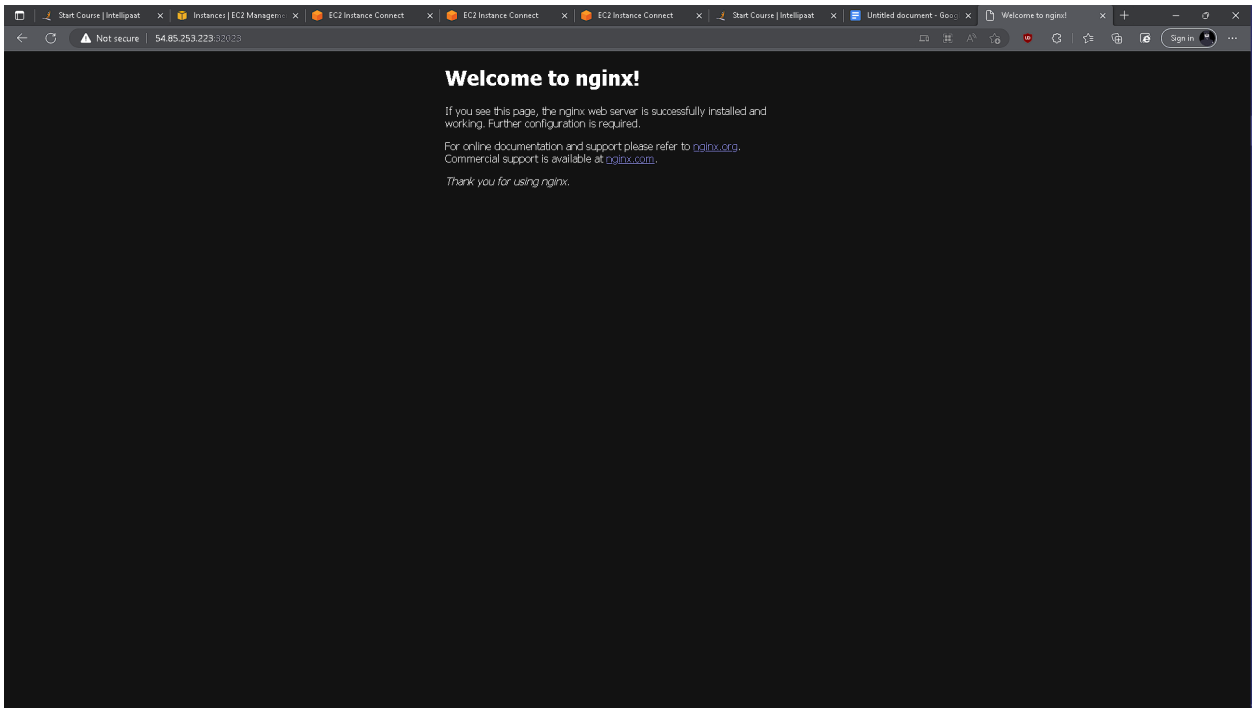
In previous deployment make sure the labels are same as that of mentioned in nodeport service.

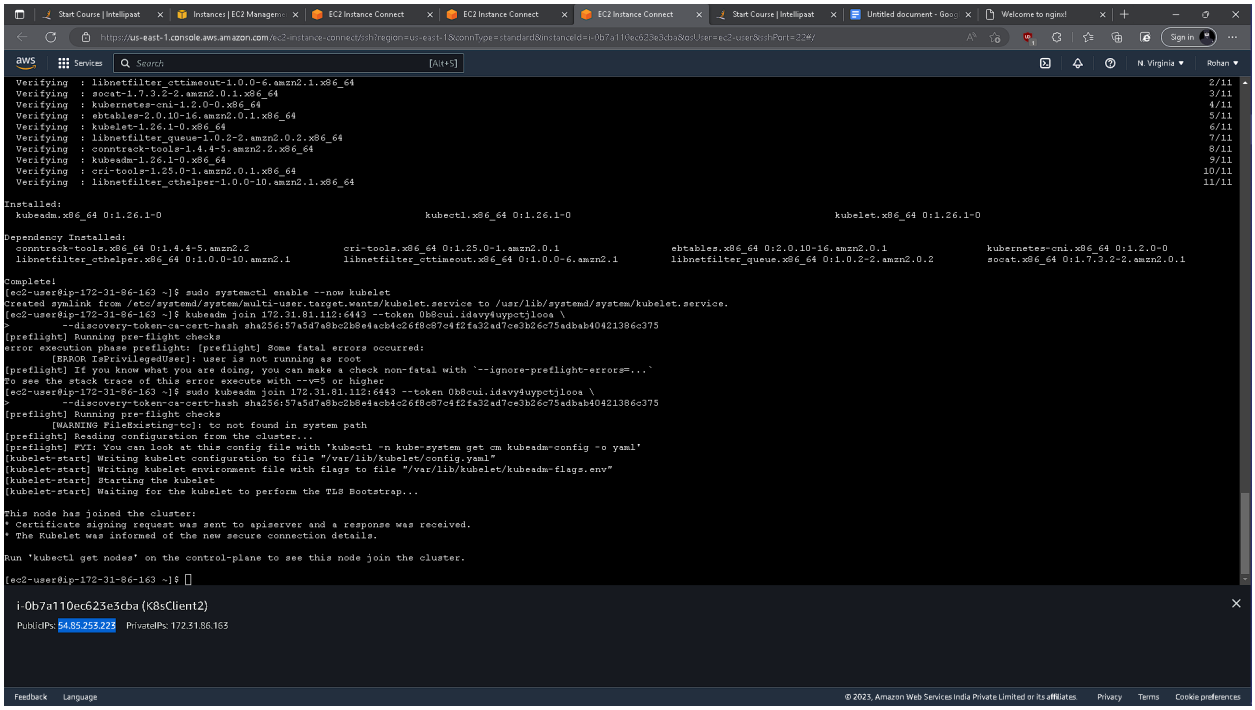


kubectl get svc #to check the service running



Copy paste Client node public ip with node specified in nodeport and you can see service running.




Verifying : libnetfilter_cttimeout-1.0.0-6.amzn2.1.x86_64 2/11
Verifying : socat-1.7.3.2-2.amzn2.0.1.x86_64 3/11
Verifying : kubernetes-cni-1.2.0-0.x86_64 4/11
Verifying : ebtables-2.0.10-16.amzn2.0.1.x86_64 5/11
Verifying : kubelet-1.26.1-0.x86_64 6/11
Verifying : libnetfilter_queue-1.0.2-2.amzn2.0.2.x86_64 7/11
Verifying : conntrack-tools-1.4.4-5.amzn2.2.x86_64 8/11
Verifying : kubeadm-1.26.1-0.x86_64 9/11
Verifying : cri-tools-1.25.0-1.amzn2.0.1.x86_64 10/11
Verifying : libnetfilter_cthelper-1.0.0-10.amzn2.1.x86_64 11/11
Installed:
kubeadm.x86_64 0:1.26.1-0 kubectl.x86_64 0:1.26.1-0 kubelet.x86_64 0:1.26.1-0
Dependency Installed:
conntrack-tools.x86_64 0:1.4.4-5.amzn2.2 cri-tools.x86_64 0:1.25.0-1.amzn2.0.1 ebtables.x86_64 0:2.0.10-16.amzn2.0.1 kubernetes-cni.x86_64 0:1.2.0-0
libnetfilter_cthelper.x86_64 0:1.0.0-10.amzn2.1 libnetfilter_cttimeout.x86_64 0:1.0.0-6.amzn2.1 libnetfilter_queue.x86_64 0:1.0.2-2.amzn2.0.2 socat.x86_64 0:1.7.3.2-2.amzn2.0.1
Complete!
[ec2-user@ip-172-31-86-163 ~]$ sudo systemctl enable --now kubelet
Created symlink from /etc/systemd/system/multi-user.target.wants/kubelet.service to /usr/lib/systemd/system/kubelet.service.
[ec2-user@ip-172-31-86-163 ~]$ kubeadm join 172.31.81.112:6443 --token 0b8cui.idavy4uypctjlooa \
> --discovery-token-ca-cert-hash sha256:57a5d7e8bc2b8e4acb4c26f8c87c4f2fa32ad7ce3b26c75adbab40421386c375
[preflight] Running pre-flight checks
error execution phase preflight: [preflight] Some fatal errors occurred:
[ERROR IsPrivilegedUser]: user is not running as root
[preflight] If you know what you are doing, you can make a check non-fatal with `--ignore-preflight-errors=...`
To see the stack trace of this error execute with --v=5 or higher
[ec2-user@ip-172-31-86-163 ~]$ sudo kubeadm join 172.31.81.112:6443 --token 0b8cui.idavy4uypctjlooa \
> --discovery-token-ca-cert-hash sha256:57a5d7e8bc2b8e4acb4c26f8c87c4f2fa32ad7ce3b26c75adbab40421386c375
[preflight] Running pre-flight checks
[WARNING FileExisting-tc]: tc not found in system path
[preflight] Reading configuration from the cluster...
[preflight] FYI: You can look at this config file with 'kubectl -n kube-system get cm kubeadm-config -o yaml'
[kubelet-start] Writing kubelet configuration to file "/var/lib/kubelet/config.yaml"
[kubelet-start] Writing kubelet environment file with flags to file "/var/lib/kubelet/kubeadm-flags.env"
[kubelet-start] Starting the kubelet
[kubelet-start] Waiting for the kubelet to perform the TLS Bootstrap...
This node has joined the cluster:
* Certificate signing request was sent to apiserver and a response was received.
* The Kubelet was informed of the new secure connection details.
Run 'kubectl get nodes' on the control-plane to see this node join the cluster.
[ec2-user@ip-172-31-86-163 ~]$
i-0b7a110ec623e3cba (K8sClient2)
PublicIPs: 54.85.253.223 PrivateIPs: 172.31.86.163
Feedback Language
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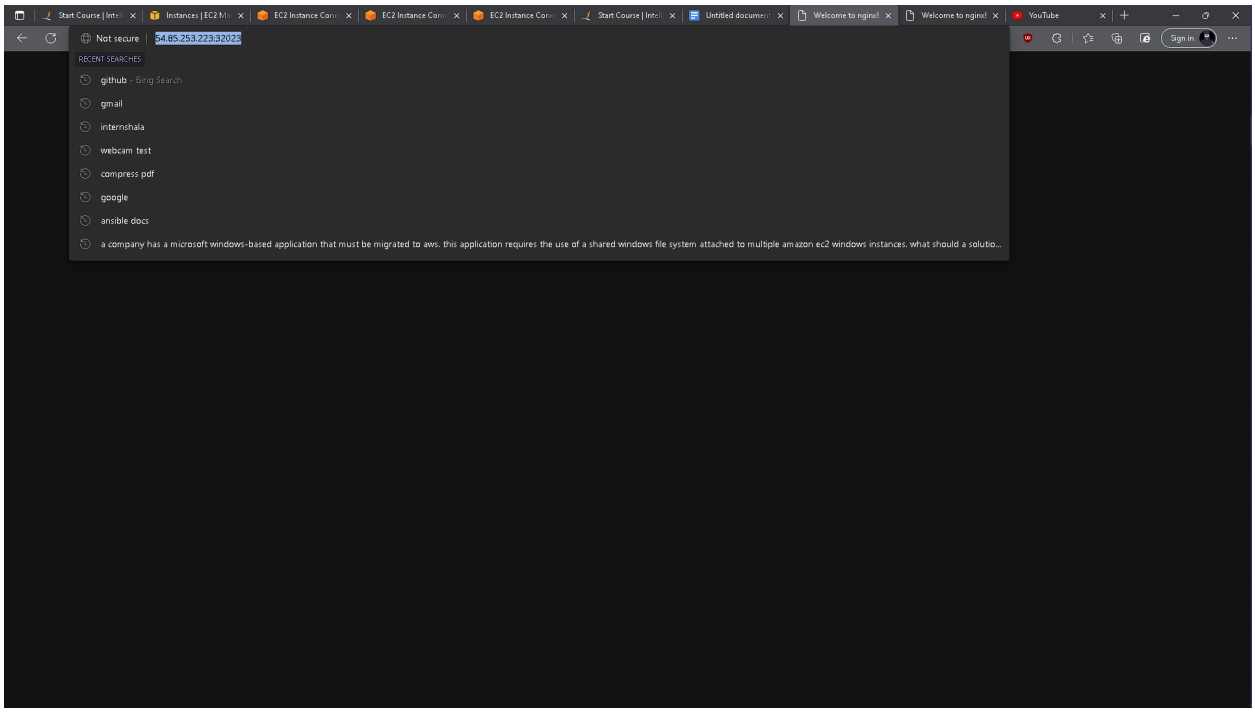
Not secure 54.85.253.223:32023
RECENT SEARCHES
github – Bing Search
gmail
internshala
webcam test
compress pdf
google
ansible docs
a company has a microsoft windows-based application that must be migrated to aws. this application requires the use of a shared windows file system attached to multiple amazon ec2 windows instances. what should a solutio...

For another client as well service is running.