KUBERNETES DOCUMENT

Kubernetes: Deploy and Scale Nginx

1Create a YAML file (nginx-pod.yaml) defining an Nginx pod.

2 Apply the configuration using kubectl apply -f nginx-pod.yaml.

```
master@master-vm:~/Desktop$ kubectl run nginx2-pod --image=nginx --restart=Never
pod/nginx2-pod created
master@master-vm:~/Desktop$ kubectl get pods
             READY
                     STATUS
                                 RESTARTS
nginx-pod
             1/1
                     Running
                                 0
                                             2m15s
                                             103s
nginx1-pod
             1/1
                     Running
                                 0
nginx2-pod
             1/1
                     Running
                                 0
                                             85
nginxpod
             0/1
                     Completed
                                 0
                                             19h
                                             2m7s
nginxx-pod
             1/1
                     Running
                                 0
master@master-vm:~/Desktop$ kubectl port-forward nginx-pod 8080:80
Forwarding from 127.0.0.1:8080 -> 80
Forwarding from [::1]:8080 -> 80
Handling connection for 8080
Handling connection for 8080
^Cmaster@master-vm:~/Desktop$ kubectl port-forward nginx-pod 8080:80
Forwarding from 127.0.0.1:8080 -> 80
Forwarding from [::1]:8080 -> 80
Handling connection for 8080
Handling connection for 8080
^Cmaster@master-vm:~/Desktop$ kubectl delete pod nginx-pod
pod "nginx-pod" deleted
master@master-vm:~/Desktop$
← → C k
                 O 127.0.0.1:8080
```

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

Choose What I Share

For online documentation and support please refer to <u>nginx.org</u>. Commercial support is available at <u>nginx.com</u>.

Thank you for using nginx.

Firefox automatically sends some data to Mozilla so that we can improve your experience.

Verify the pod status with kubectl get pods. Expose the pod using kubectl port-forward pod/nginx-pod 8080:80.