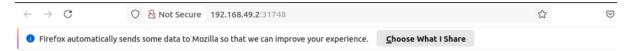
Kubernetes Assignment – 3

1. Create and use a Secret

```
pod/nginx-secret-pod created
  master@master-vm:~/Desktop$ kubectl get pods
                                                READY
                                                                   STATUS
                                                                                                RESTARTS
                                                                                                                                          AGE
 nginx-pod
                                               1/1
                                                                    Running
                                                                                                  1 (4m26s ago)
                                                                                                                                          18h
                                                                                                0
0
 nginx-secret-pod
                                               1/1
                                                                    Running
                                                                                                                                          20s
 nginxpod
                                                0/1
                                                                   Completed
                                                                                                                                          18h
  master@master-vm:~/Desktop$ kubectl logs nginx-secret-pod
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration /docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/ /docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh info: Getting the checksum of /etc/nginx/conf.d/default.conf 10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-process
/docker-entrypoint.sh: Configuration complete; ready for start up
2025/03/14 04:35:54 [notice] 1#1: using the "epoll" event method
2025/03/14 04:35:54 [notice] 1#1: nginx/1.27.4
2025/03/14 04:35:54 [notice] 1#1: built by gcc 12.2.0 (Debian 12.2.0-14)
2025/03/14 04:35:54 [notice] 1#1: OS: Linux 5.15.0-134-generic
2025/03/14 04:35:54 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2025/03/14 04:35:54 [notice] 1#1: start worker processes
2025/03/14 04:35:54 [notice] 1#1: start worker process 29
2025/03/14 04:35:54 [notice] 1#1: start worker process 30
master@master-vm:~/Desktop$ kubectl delete -f nginx-secret-pod.yaml
pod "ngipx-secret-pod" deleted
 pod "nginx-secret-pod" deleted
  master@master-vm:~/Desktop$ kubectl delete secret db-secret
 secret "db-secret" deleted
  master@master-vm:~/Desktop$
```

2. Create and expose a Service



Welcome to nginx!

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

For online documentation and support please refer to $\underline{nginx.org}.$ Commercial support is available at $\underline{nginx.com}.$

Thank you for using nginx.