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harini@DELL:~/capstone
harini@DELL:~$ docker version
Client:
Version:      27.5.1
API version:  1.47
Go version:   go1.22.11
Git commit:   9f9e405
Built:        Wed Jan 22 13:40:02 2025
OS/Arch:      linux/amd64
Context:      default

Server: Docker Desktop 4.0.0 ( )
Engine:
Version:      27.5.1
API version:  1.47 (minimum version 1.24)
Go version:   go1.22.11
Git commit:   4c9b3b0
Built:        Wed Jan 22 13:41:17 2025
OS/Arch:      linux/amd64
Experimental: false
containerd:
Version:      1.7.25
GitCommit:    bcc810d6b9066471b0b6fa75f557a15a1cbf31bb
runc:
Version:      1.1.12
GitCommit:    v1.1.12-0-g51d5e946
docker-init:
Version:      0.19.0
GitCommit:    de40ad0

harini@DELL:~$ minikube start --driver=docker
minikube v1.35.0 on Ubuntu 24.04 (amd64)
Using the docker driver based on user configuration
Using Docker driver with root privileges
For an improved experience it's recommended to use Docker Engine instead of Docker Desktop.
Docker Engine installation instructions: https://docs.docker.com/engine/install/#server
Starting "minikube" primary control-plane node in "minikube" cluster
Pulling base image v0.0.46 ...
Downloading Kubernetes v1.32.0 preload ...
> gcr.io/k8s-minikube/kicbase...: 500.31 MiB / 500.31 MiB 100.00% 2.28 Mi
> preloaded-images-k8s-v18-v1...: 333.57 MiB / 333.57 MiB 100.00% 958.47
Creating docker container (CPUs=2, Memory=2200MB) ...
Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
  ▪ Generating certificates and keys ...
  ▪ Booting up control plane ...
  ▪ Configuring RBAC rules ...
Configuring bridge CNI (Container Networking Interface) ...
Verifying Kubernetes components...

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  ▪ Generating certificates and keys ...
  ▪ Booting up control plane ...
  ▪ Configuring RBAC rules ...
Configuring bridge CNI (Container Networking Interface) ...
Verifying Kubernetes components...
  ▪ Using image gcr.io/k8s-minikube/storage-provisioner:v5
Enabled addons: default-storageclass, storage-provisioner
Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
harini@DELL:~$ minikube status
minikube
type: Control Plane
host: Running
kubeadm: Running
apiserver: Running
kubeconfig: Configured

harini@DELL:~$ kubectl get nodes
NAME                STATUS    ROLES    AGE   VERSION
minikube            Ready     control-plane   7m54s   v1.32.0
harini@DELL:~$ git clone https://github.com/kannancloud001/capstone.git
Cloning into 'capstone'...
remote: Enumerating objects: 110, done.
remote: Counting objects: 100% (16/16), done.
remote: Compressing objects: 100% (15/15), done.
remote: Total 110 (delta 8), reused 1 (delta 1), pack-reused 94 (from 3)
Receiving objects: 100% (110/110), 750.33 KiB | 1.52 MiB/s, done.
Resolving deltas: 100% (37/37), done.
harini@DELL:~$ cd capstone
harini@DELL:~/capstone$ cat Dockerfile
FROM nginx:latest
# Copy the built files from the previous stage
COPY build/ /usr/share/nginx/html

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harini@DELL:~$ cd capstone
harini@DELL:~/capstone$ cat Dockerfile
FROM nginx:latest
# Copy the built files from the previous stage
COPY build/ /usr/share/nginx/html
# Expose port 80 (the default HTTP port)
EXPOSE 80
# Start Nginx and keep it running in the foreground
CMD ["nginx", "-g", "daemon off;"]
[+] Building 134.7s (8/8) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 276B
=> [internal] load metadata for docker.io/library/nginx:latest
=> [auth] library/nginx:pull token for registry-1.docker.io
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load build context
=> => transferring context: 2.61MB
=> [1/2] FROM docker.io/library/nginx:latest@sha256:124b44bfc9ccd1f3cedf4b592d4d1e8bddd78b51ec2ed5056c52d3692baebc19
=> => resolve docker.io/library/nginx:latest@sha256:124b44bfc9ccd1f3cedf4b592d4d1e8bddd78b51ec2ed5056c52d3692baebc19
=> => sha256:c22eb46e871ad1cda19691450312c6b5c25eb5e6836773821d8091cfff6327cc 1.40kB / 1.40kB
=> => sha256:97f5c0f51d43d499970597ee9f19f9170954289eff0c5d7b8f8afd73dbb57977 1.21kB / 1.21kB
=> => sha256:373fe654e9845b69587105e1b82833209521db456bdc5bc26ac7260e3eb2dd52 405B / 405B
=> => sha256:417c4bccf5349be7cd4ba91ba2077ecf0ab50b3831bb071ba31f2c8bac02ed1 627B / 627B
=> => sha256:e7e0ca015e553ccff5686ec2153c895313675686d3f6940144ce935c07554d85 955B / 955B
=> => sha256:5ea34f5b9c2a13ef2217ceb966953df5c3a21a990767da307be1f57e5a1e4f 43.95MB / 43.95MB
=> => sha256:0e909acd790c5a1989d9cf795fda5a246ad6664bb27b5c688e2b734b2c5fad 28.20MB / 28.20MB
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harini@DELL: ~/capstone
# Start Nginx and keep it running in the foreground
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[+] Building 134.7s (8/8) FINISHED
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=> => sha256:c22eb46e871ad1cda19691450312c6b5c25eb5e6836773821d8091cfff6327cc 1.40kB / 1.40kB
=> => sha256:97f5c0f51d43d499970597ee9f19f9170954289eff0c5d7b8f8afd73dbb57977 1.21kB / 1.21kB
=> => sha256:373fe654e9845b69587105e1b82833209521db456bdc5bc26ac7260e3eb2dd52 405B / 405B
=> => sha256:417c4bccf5349be7cd4ba91ba2077ecf0ab50b3831bb071ba31f2c8bac02ed1 627B / 627B
=> => sha256:e7e0ca015e553ccff5686ec2153c895313675686d3f6940144ce935c07554d85 955B / 955B
=> => sha256:5ea34f5b9c2a13ef2217ceb966953df5c3a21a990767da307be1f57e5a1e4f 43.95MB / 43.95MB
=> => sha256:0e909acd790c5a1989d9cf795fda5a246ad6664bb27b5c688e2b734b2c5fad 28.20MB / 28.20MB
=> => extracting sha256:5ea34f5b9c2a13ef2217ceb966953df5c3a21a990767da307be1f57e5a1e4f 1.8s
=> => extracting sha256:417c4bccf5349be7cd4ba91ba2077ecf0ab50b3831bb071ba31f2c8bac02ed1 0.3s
=> => extracting sha256:e7e0ca015e553ccff5686ec2153c895313675686d3f6940144ce935c07554d85 0.2s
=> => extracting sha256:373fe654e9845b69587105e1b82833209521db456bdc5bc26ac7260e3eb2dd52 0.2s
=> => extracting sha256:97f5c0f51d43d499970597ee9f19f9170954289eff0c5d7b8f8afd73dbb57977 0.2s
=> => extracting sha256:c22eb46e871ad1cda19691450312c6b5c25eb5e6836773821d8091cfff6327cc 0.2s
=> [2/2] COPY build/ /usr/share/nginx/html
=> => exporting to image
=> => exporting layers
=> => exporting manifest sha256:37f63ba6b9e14122b9a11d5b341ae3fabe0c3aad2df68b8f4a7d8ed48d239635
=> => exporting config sha256:58c253ab90be7ce0f1323765bfc213dda912c0f21e0f55476b8319370af08b7a
=> => exporting attestation manifest sha256:a3411a70b21f147c81b1dea8a1043a295c248231c1944bfee851dcaad222dc2a
=> => exporting manifest list sha256:4e531c667d136c4373b4c984697711c10d985babf680ed29c9059a93bb33c558
=> => naming to docker.io/harinisuresh/harini:latest
=> => unpacking to docker.io/harinisuresh/harini:latest
harini@DELL:~/capstone$ docker images
REPOSITORY          TAG       IMAGE ID       CREATED        SIZE
harinisuresh/harini latest    4e531c667d13  14 seconds ago 282MB
harinisuresh/harini 3         e8f6a8e3a37d   7 hours ago   220MB
hello-world         latest    7e1a2e2d11e2   8 weeks ago   20.4kB
gcr.io/k8s-minikube/kicbase v0.0.46   cef0f3c2e399   2 months ago 1.86GB
gcr.io/k8s-minikube/kicbase <none>     fd2d445ddcc3   2 months ago 1.86GB
harini@DELL:~/capstone$ docker run -d -p 8000:80 harinisuresh/harini:3e5404d9c7f8284705283e32225b2de68dfb1b2f1d10f419b846d0db12f36df84
harini@DELL:~/capstone$
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