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temp 3/3 3 1/n
einfochips@AHMLPT3361:~/static-web-app$ kubectl get nodes

NAME STATUS ROLES AGE VERSION
minikube Ready control-plane 3d21h v1.30.0
einfochips@AHMLPT3361:~/static-web-app$
```

```
infochips@AHMLPT3361:~/static-web-app$ docker build -t yashparmar04/temp:400 .
+] Building 1.7s (8/8) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 220B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/nginx:alpine
=> [auth] library/nginx:pull token for registry-1.docker.io
=> [internal] load build context
=> => transferring context: 32B
=> [1/2] FROM docker.io/library/nginx:alpine@sha256:a45ee5d042aaa9e81e013f97ae40c3dda26fbe98f22b
=> CACHED [2/2] COPY index.html /usr/share/nginx/html
=> exporting to image
=> => exporting layers
=> => writing image sha256:2b269ce8458cd8423f88e4e4d3428e242bacd3cb34457c339209e700a24934e0
=> => naming to docker.io/yashparmar04/temp:400
```

```
einfochips@AHMLPT3361:~/static-web-app$ docker build -t temp .
[+] Building 2.0s (7/7) FINISHED

=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 2208
=> [internal] load .dockerignore
=> => transferring context: 28
=> [internal] load metadata for docker.io/library/nginx:alpine
=> [internal] load build context
=> => transferring context: 328
=> [1/2] FROM docker.io/library/nginx:alpine@sha256:a45ee5d042aaa9e81e013f97ae40c3dda26fbi
=> CACHED [2/2] COPY index.html /usr/share/nginx/html
=> exporting to image
=> => exporting layers
=> => writing image sha256:2b269ce8458cd8423f88e4e4d3428e242bacd3cb34457c339209e700a24934i
=> => naming to docker.io/library/temp
einfochips@AHMLPT3361:~/static-web-app$ docker images
```

```
gcr.io/k8s-minikube/kicbase v0.0.44 5a6e59a9bdc0 2 months ago 1.26GB
mysql 5.7 5107333e08a8 7 months ago 501MB
einfochips@AHMLPT3361:~/static-web-app$ docker push yashparmar04/temp:400
The push refers to repository [docker.io/yashparmar04/temp]
c6238bd5240a: Pushed
a51b172d7184: Mounted from library/nginx
b7486fe26981: Mounted from library/nginx
320c8baef084: Mounted from library/nginx
d2cef4a1b224: Mounted from library/nginx
4275164ce225: Mounted from library/nginx
6e92270dbfe6: Mounted from library/nginx
b5d2e1fcf1ad: Mounted from library/nginx
af9a70194aa4: Mounted from library/nginx
```

```
einfochips@AHMLPT3361:~/static-web-app$ ls
Dockerfile index.html
einfochips@AHMLPT3361:~/static-web-app$ nano deployment.yaml
einfochips@AHMLPT3361:~/static-web-app$ nano serive.yaml
einfochips@AHMLPT3361:~/static-web-app$ ls
deployment.yaml Dockerfile index.html serive.yaml
einfochips@AHMLPT3361:~/static-web-app$ mv 'serive.yaml' 'service.yaml'
einfochips@AHMLPT3361:~/static-web-app$ ls
deployment.yaml Dockerfile index.html service.yaml
einfochips@AHMLPT3361:~/static-web-app$ kubectl apply -f deployment.yaml
deployment.apps/temp created
einfochips@AHMLPT3361:~/static-web-app$ kubectl apply -f service.yaml
service/temp-service created
```

temp-service ClusterIP	10.98.77.	26 <none></none>	80/TCP	4m34s
einfochips@AHMLPT3361:~/static-web-app	<pre>\$ kubectl</pre>	get pods		
NAME	READY	STATUS	RESTARTS	AGE
backend-64d8b65b8f-bb6kw	1/1	Running	1 (53m ago)	177m
backend-64d8b65b8f-hsk5f	1/1	Running	1 (53m ago)	177m
frontend-f4584dffc-4v5vj	1/1	Running	1 (53m ago)	177m
frontend-f4584dffc-j7k8m	1/1	Running	1 (53m ago)	177m
nodejs-app-67b6cb9fcf-bb24w	1/1	Running	9 (53m ago)	32h
nodejs-app-67b6cb9fcf-v4t8w	1/1	Running	9 (53m ago)	32h
nodejs-app-deployment-fd98f79bf-9cxxv	0/1	ImagePullBackOff	0	26h
nodejs-app-deployment-fd98f79bf-z2p2h	0/1	ImagePullBackOff	0	26h
temp-7b84d987f5-c8hkv	1/1	Running	0	5m9s
temp-7b84d987f5-mf9pr	1/1	Running	0	90s
temp-7b84d987f5-r5r74	1/1	Running	0	5m9s
temp-7c64657f9c-gbh4m	0/1	ImagePullBackOff	0	90s

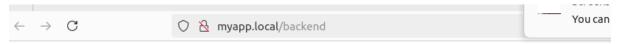
```
einfochips@AHMLPT3361:-/static-web-app$ minikube start --addons=ingress
minikube v1.33.1 on Ubuntu 22.04
Using the docker driver based on existing profile
Starting "minikube" primary control-plane node in "minikube" cluster
Pulling base image v0.0.44 ...
Updating the running docker "minikube" container ...
Preparing Kubernetes v1.30.0 on Docker 26.1.1 ...
Verifying Kubernetes components...
Using image registry.k8s.io/ingress-nginx/kube-webhook-certgen:v1.4.1
Using image registry.k8s.io/ingress-nginx/controller:v1.10.1
Using image gcr.io/k8s-minikube/storage-provisioner:v5
Using image registry.k8s.io/ingress-nginx/kube-webhook-certgen:v1.4.1
Verifying ingress addon...
Enabled addons: storage-provisioner, default-storageclass, ingress
Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default einfochips@AHMLPT3361:-/static-web-app$ nano ingress-resource.yaml einfochips@AHMLPT3361:-/static-web-app$ nano frontend-deployment.yaml einfochips@AHMLPT3361:-/static-web-app$ nano backend-deployment.yaml
```

```
service "frontend-service" deleted

einfochips@AHMLPT3361:~/static-web-app$ kubectl apply -f frontend-deployment.yaml
deployment.apps/frontend unchanged
service/frontend-service created
einfochips@AHMLPT3361:~/static-web-app$ kubectl apply -f backend-deployment.yaml
deployment.apps/backend unchanged
service/backend-service created
```

		ne 3d21h					
<pre>einfochips@AHMLPT3361:~/static-web-app\$ kubectl get deployments</pre>							
NAME	READY	UP-TO-DATE	AVAILABLE	AGE			
backend	2/2	2	2	20h			
frontend	2/2	2	2	20h			
nodejs-app	2/2	2	2	2d2h			
nodejs-app-deployment	0/2	2	0	44h			
temp	3/3	3	3	17h			

</ntml>
einfochips@AHMLPT3361:~/static-web-app\$ curl http://myapp.local/backend
Hello from backend



Hello from backend

```
targetPort: 80

einfochips@AHMLPT3361:~/static-web-app$ curl http://myapp.local/frontend
<!DOCTYPE html>
<html>
<head>
        <title>Welcome to My Static Site</title>
</head>
<body>
        <h1>Hello from Nginx!</h1>
</body>
</html>
```



Hello from Nginx!



Hello from Nginx!

einfochips@AHMLP	T2581:~/day9_task\$ kubectl get hpa					
NAME	REFERENCE	TARGETS	MINPODS	MAXPODS	REPLICAS	AGE
day9-image-hpa	Deployment/day9-image-deployment	cpu: <unknown>/2%</unknown>	1	10	1	100m
einfochips@AHMLPT2581:~/day9_task\$ kubectl get hpa						
NAME	REFERENCE	TARGETS	MINPODS	MAXPODS	REPLICAS	AGE
day9-image-hpa	Deployment/day9-image-deployment	cpu: <unknown>/2%</unknown>	1	10	1	101m