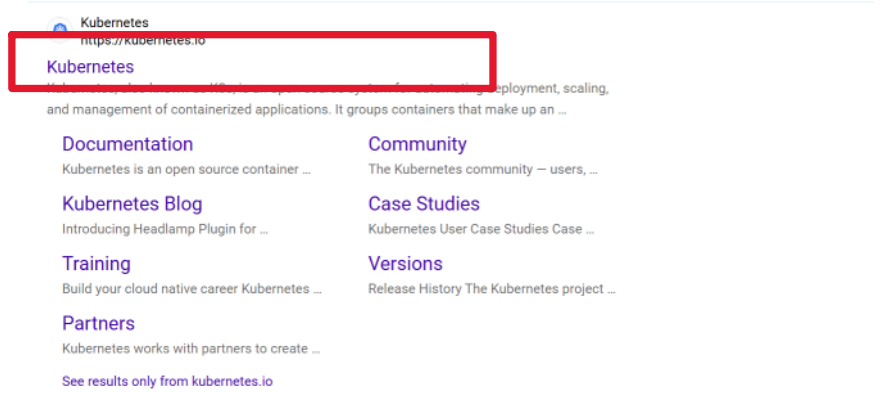
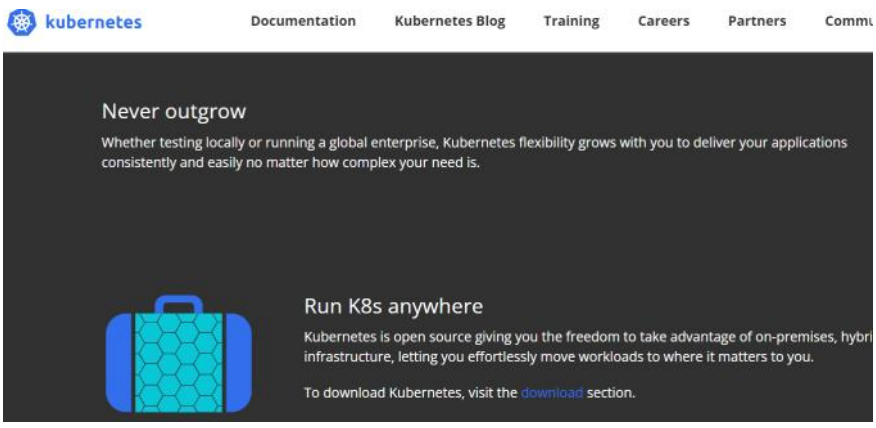
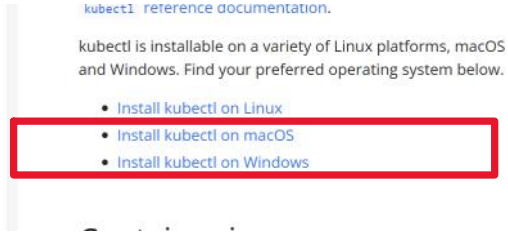
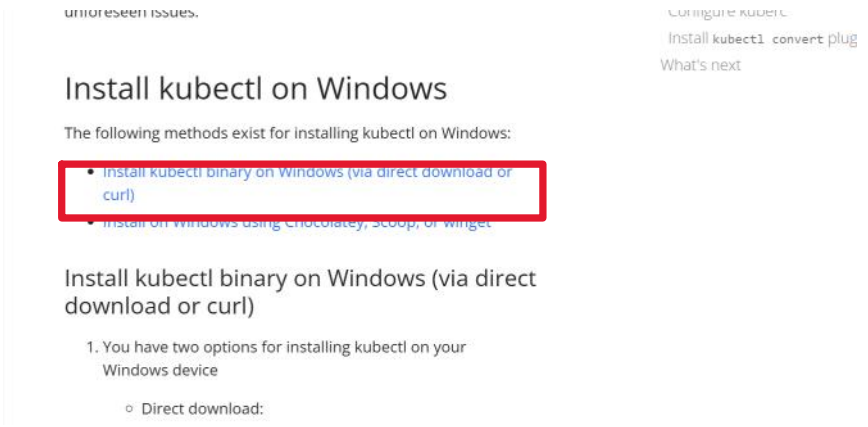
Kubernetes Installation

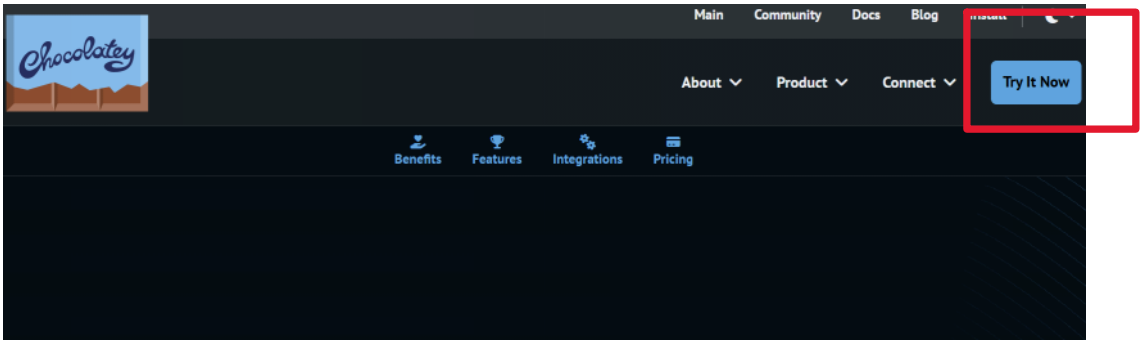
19 November 2025 10:58

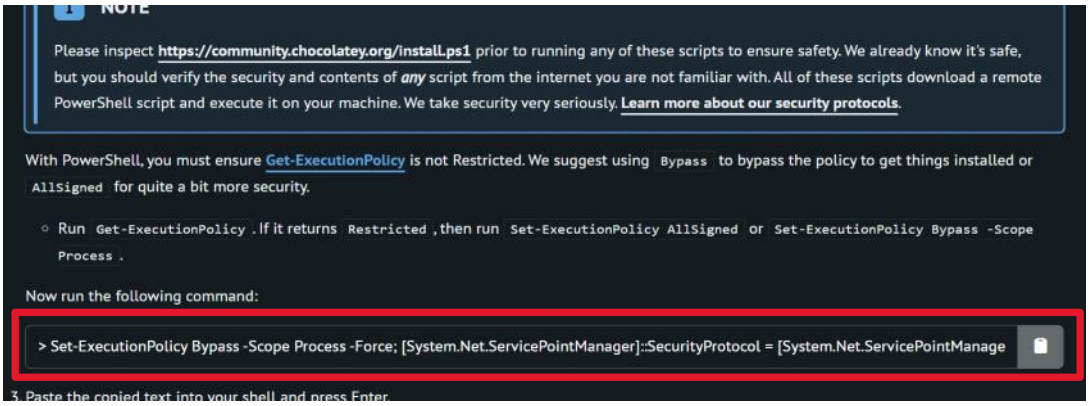


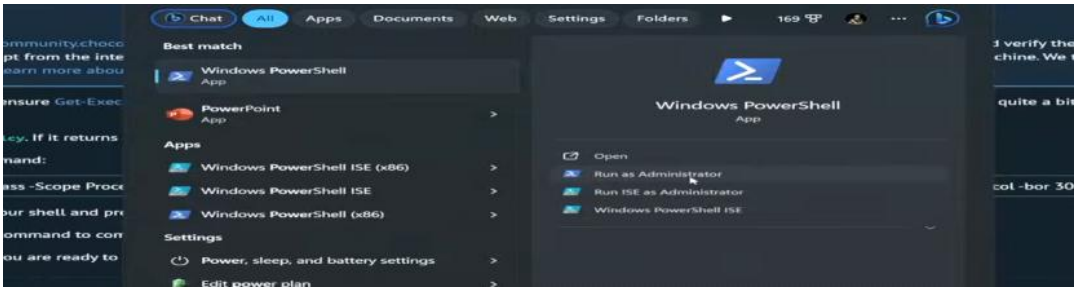


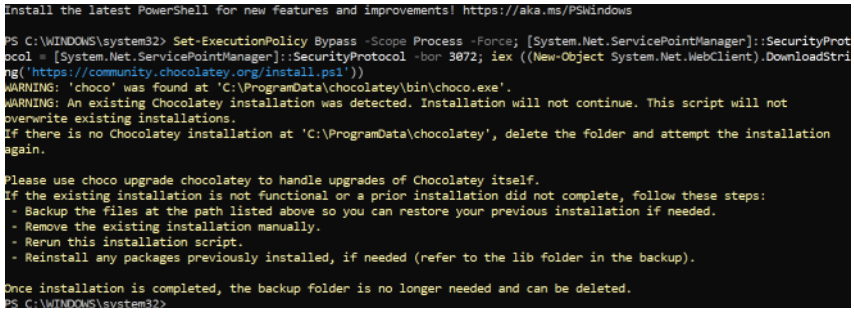










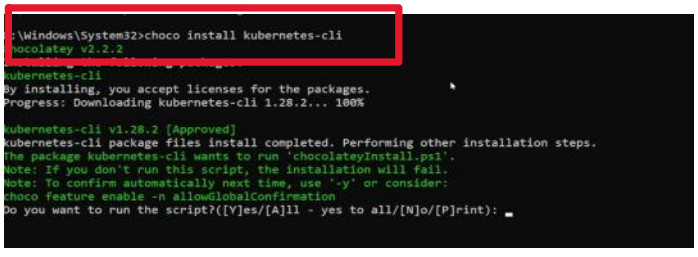


Install on Windows using Chocolatey, Scoop, or winget

1. To install kubectl on Windows you can use either Chocolatey package manager, Scoop command-line installer, or winget package manager.

```
choco install kubernetes-cli
```

2. Test to ensure the version you installed is up-to-date:



What's next

- Install Minikube
- See the getting started guides for more about creating clusters.
- Learn how to launch and expose your application.
- If you need access to a cluster you didn't create, see the Sharing Cluster Access document.
- Read the kubectl reference docs

Click on the buttons that describe your target platform. For other architectures, see the release page for a complete list of minikube binaries.

Operating system: Linux | macOS | **Windows**

Architecture: **x86-64**

Release type: **Stable**

Installer type: .exe download | Windows Package Manager | **Chocolatey**

To install the latest minikube **stable** release on **x86-64 Windows** using **Chocolatey**:

If the Chocolatey Package Manager is installed, use the following command:

```
choco install minikube
```

```
C:\Windows\System32>choco install minikube
Chocolatey v2.5.1
Installing the following packages:
By installing, you accept licenses for the packages.
Minikube v1.37.0 already installed.
 Use --force to reinstall, specify a version to install, or try upgrade.

Chocolatey installed 0/1 packages.
 See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).

Warnings:
 - Minikube - Minikube v1.37.0 already installed.
 Use --force to reinstall, specify a version to install, or try upgrade.

C:\Windows\System32>
C:\Windows\System32>
```

2 Start your cluster

From a terminal with administrator access (but not logged in as root), run:

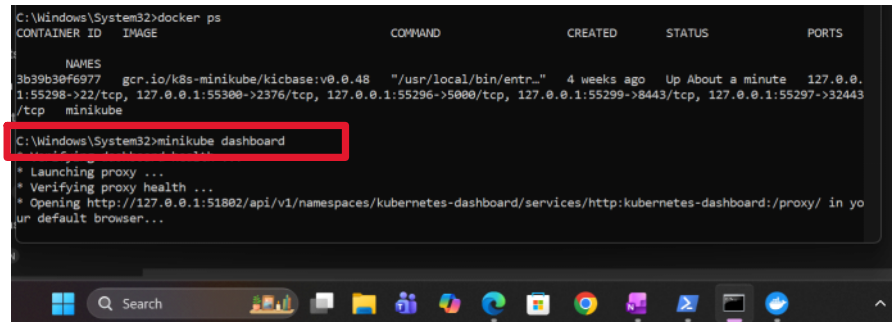
```
minikube start
```

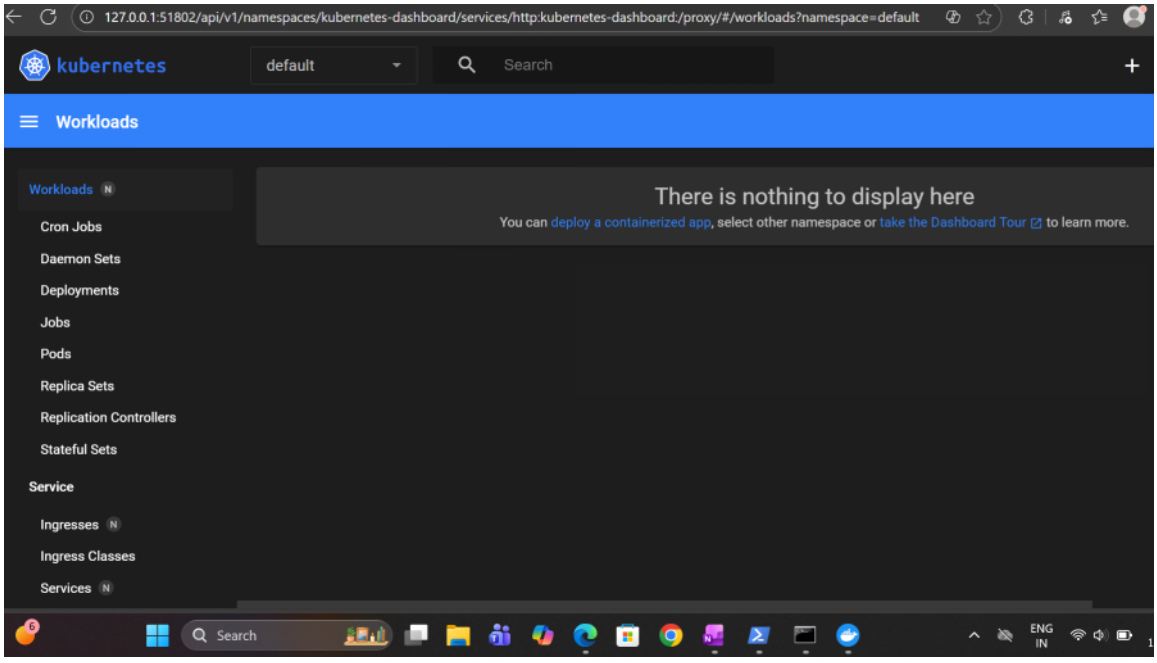
If minikube fails to start, see the drivers page for help setting up a compatible container or virtual-machine manager.

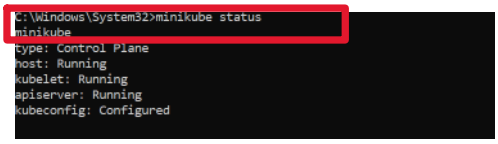
3 Interact with your cluster

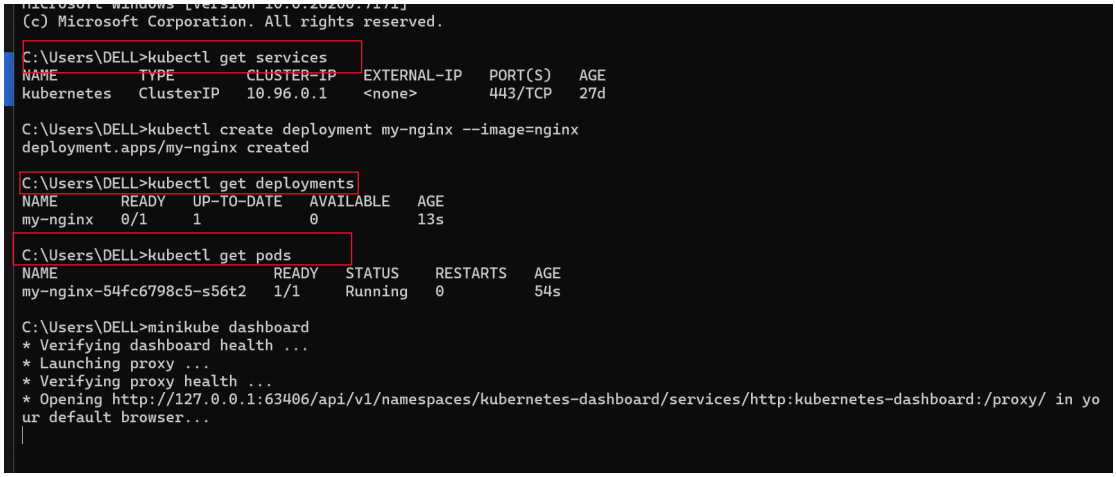
```
C:\Windows\System32>minikube start
* minikube v1.37.0 on Microsoft Windows 11 Pro 10.0.26200.7171 Build 26200.7171
* Using the docker driver based on existing profile
* Starting "minikube" primary control-plane node in "minikube" cluster
* Pulling base image v0.0.48 ...
* Restarting existing docker container for "minikube" ...
! Failing to connect to https://registry.k8s.io/ from inside the minikube container
* To pull new external images, you may need to configure a proxy: https://minikube.sigs.k8s.io/docs/reference/ne
/proxy/
* Preparing Kubernetes v1.34.0 on Docker 28.4.0 ...
* Verifying Kubernetes components...
  - Using image docker.io/kubernetesui/metrics-scraper:v1.0.8
  - Using image docker.io/kubernetesui/dashboard:v2.7.0
  - Using image gcr.io/k8s-minikube/storage-provisioner:v5
* Some dashboard features require the metrics-server addon. To enable all features please run:

        minikube addons enable metrics-server

* Enabled addons: storage-provisioner, default-storageclass, dashboard

! C:\Program Files\Docker\Docker\resources\bin\kubectl.exe is version 1.32.2, which may have incompatibilities w
rnetes 1.34.0.
  - Want kubectl v1.34.0? Try 'minikube kubectl -- get pods -A'
* Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
```

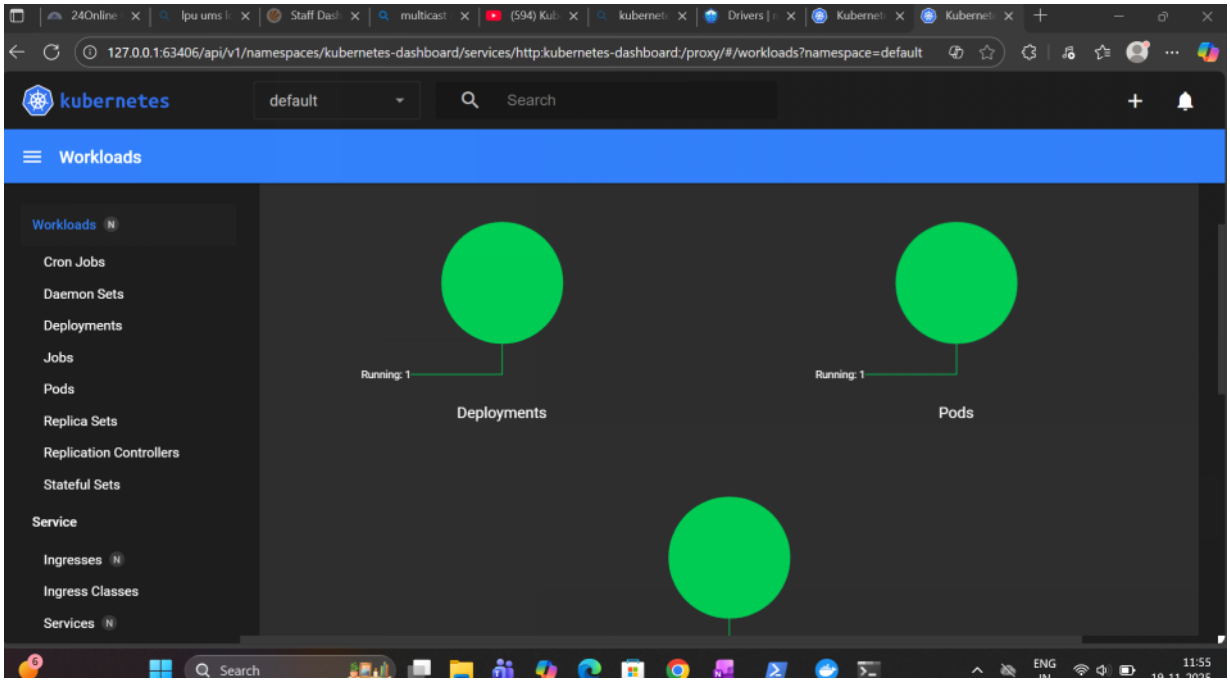
```
C:\Windows\System32>docker ps
CONTAINER ID   IMAGE                     COMMAND                  CREATED       STATUS
      NAMES
3b39b30f6977   gcr.io/k8s-minikube/kicbase:v0.0.48   "/usr/local/bin/entr…"   4 weeks ago   Up About a min
1:55298->22/tcp, 127.0.0.1:55300->2376/tcp, 127.0.0.1:55296->5000/tcp, 127.0.0.1:55299->8443/tcp, 127.0.0.
/tcp   minikube
```


C:\Windows\System32>docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS
NAMES
3b39b30f6977 gcr.io/k8s-minikube/kicbase:v0.0.48 "/usr/local/bin/entr…" 4 weeks ago Up About a minute 127.0.0.
1:55298->22/tcp, 127.0.0.1:55300->2376/tcp, 127.0.0.1:55296->5000/tcp, 127.0.0.1:55299->8443/tcp, 127.0.0.1:55297->32443
/tcp minikube
C:\Windows\System32>minikube dashboard
* Launching proxy ...
* Verifying proxy health ...
* Opening http://127.0.0.1:51802/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard:/proxy/ in yo
ur default browser...
Search

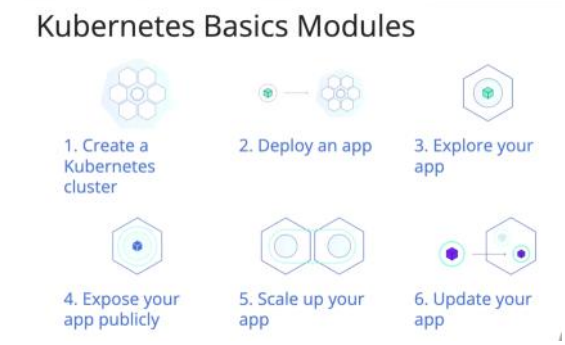

127.0.0.1:51802/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard:/proxy/#/workloads?namespace=default
kubernetes
default
Search
Workloads
Workloads
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses
Ingress Classes
Services
There is nothing to display here
You can deploy a containerized app, select other namespace or take the Dashboard Tour to learn more.
Search
ENG
IN

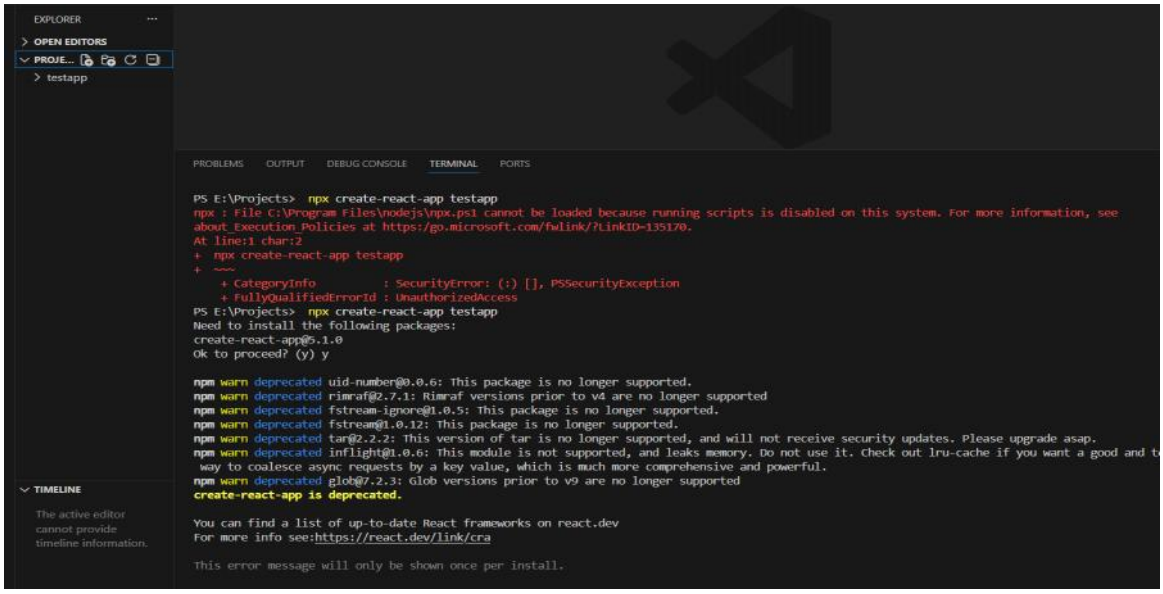
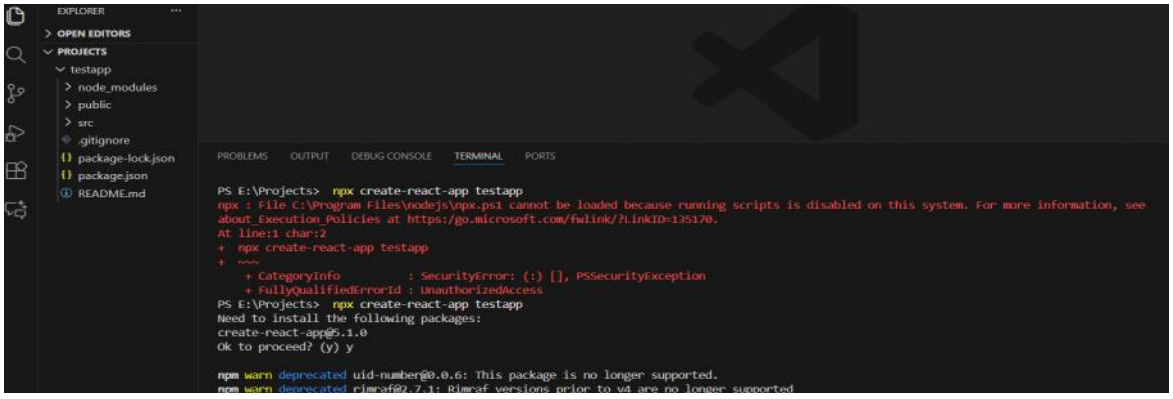

C:\Windows\System32>minikube status
minikube
type: Control Plane
host: Running
kubelet: Running
apiserver: Running
kubeconfig: Configured

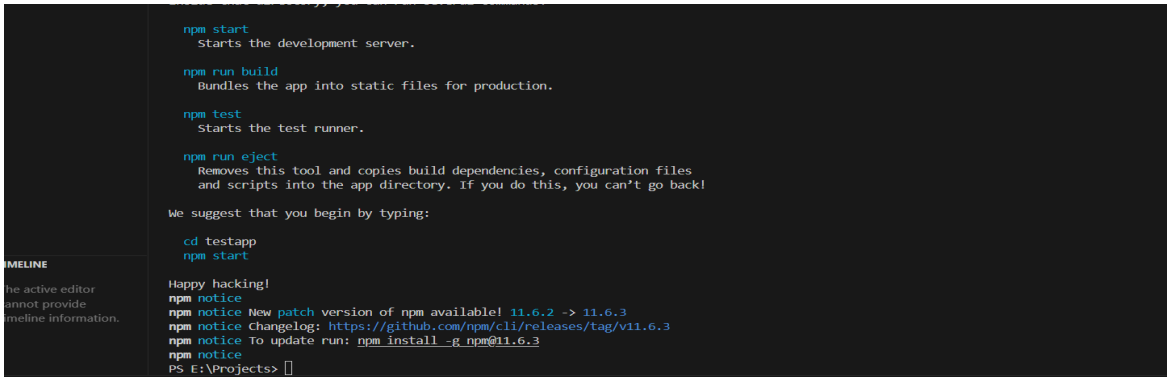

(c) Microsoft Corporation. All rights reserved.
C:\Users\DELL>kubectl get services
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 27d
C:\Users\DELL>kubectl create deployment my-nginx --image=nginx
deployment.apps/my-nginx created
C:\Users\DELL>kubectl get deployments
NAME READY UP-TO-DATE AVAILABLE AGE
my-nginx 0/1 1 0 13s
C:\Users\DELL>kubectl get pods
NAME READY STATUS RESTARTS AGE
my-nginx-54fc6798c5-s56t2 1/1 Running 0 54s
C:\Users\DELL>minikube dashboard
* Verifying dashboard health ...
* Launching proxy ...
* Verifying proxy health ...
* Opening http://127.0.0.1:63406/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard:/proxy/ in yo
ur default browser...

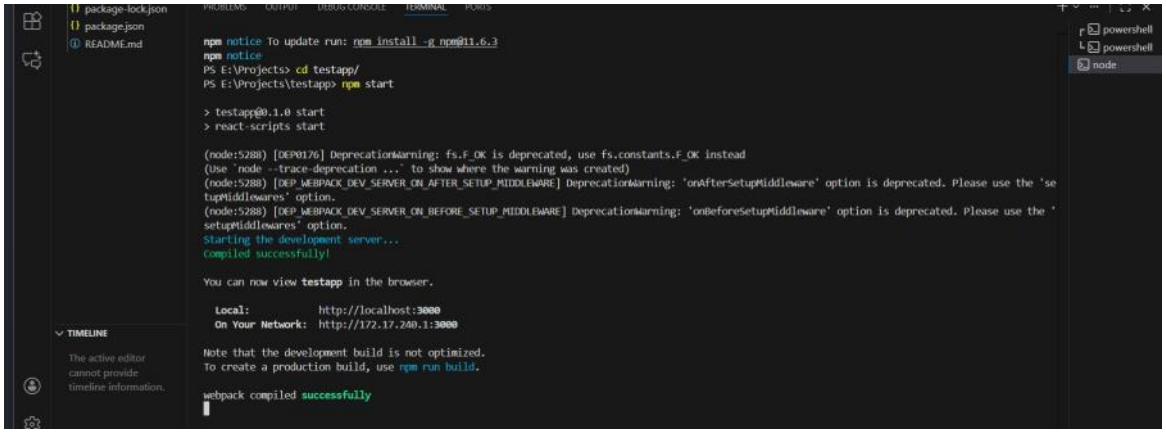


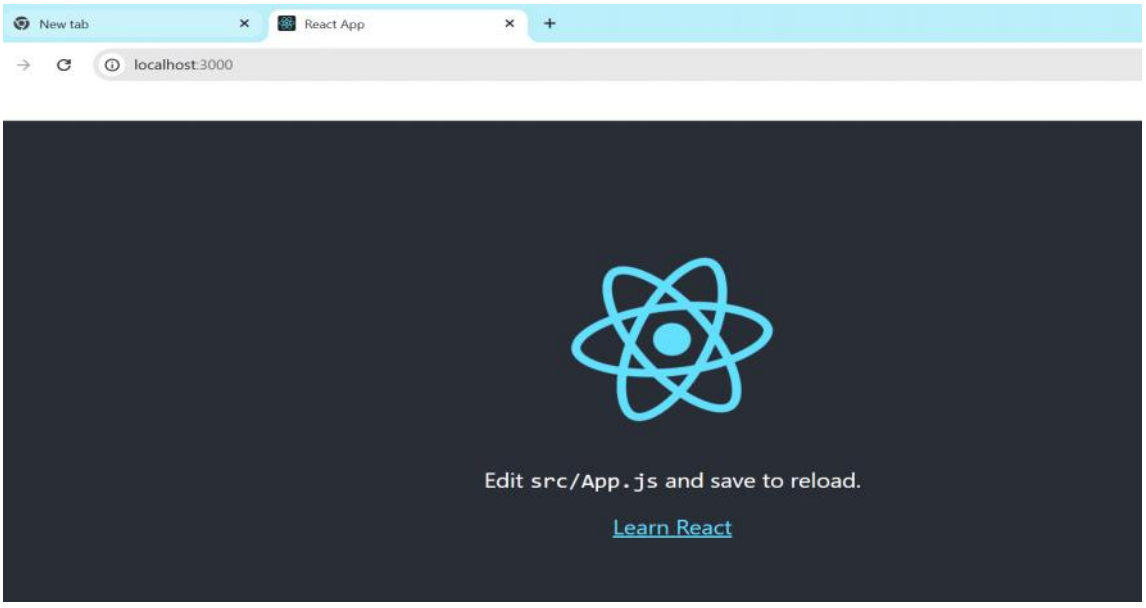

```
C:\Users\DELL>kubectl expose deployment my-nginx --port=80 --type=LoadBalancer
service/my-nginx exposed

C:\Users\DELL>kubectl get services
NAME         TYPE           CLUSTER-IP      EXTERNAL-IP   PORT(S)        AGE
kubernetes   ClusterIP      10.96.0.1       <none>        443/TCP        28d
my-nginx     LoadBalancer   10.107.159.46   <pending>     80:30698/TCP   23s

C:\Users\DELL>minikube service my-nginx
|-----------|----------|-------------|------------------------|
| NAMESPACE |   NAME   | TARGET PORT |          URL           |
|-----------|----------|-------------|------------------------|
| default   | my-nginx | 80          | http://192.168.49.2:30698 |
|-----------|----------|-------------|------------------------|
* Starting tunnel for service my-nginx.
|-----------|----------|-------------|------------------------|
| NAMESPACE |   NAME   | TARGET PORT |          URL           |
|-----------|----------|-------------|------------------------|
| default   | my-nginx |             | http://127.0.0.1:58619 |
|-----------|----------|-------------|------------------------|
* Starting tunnel for service my-nginx.
* Opening service default/my-nginx in default browser...
! Because you are using a Docker driver on windows, the terminal needs to be open to run it.
```

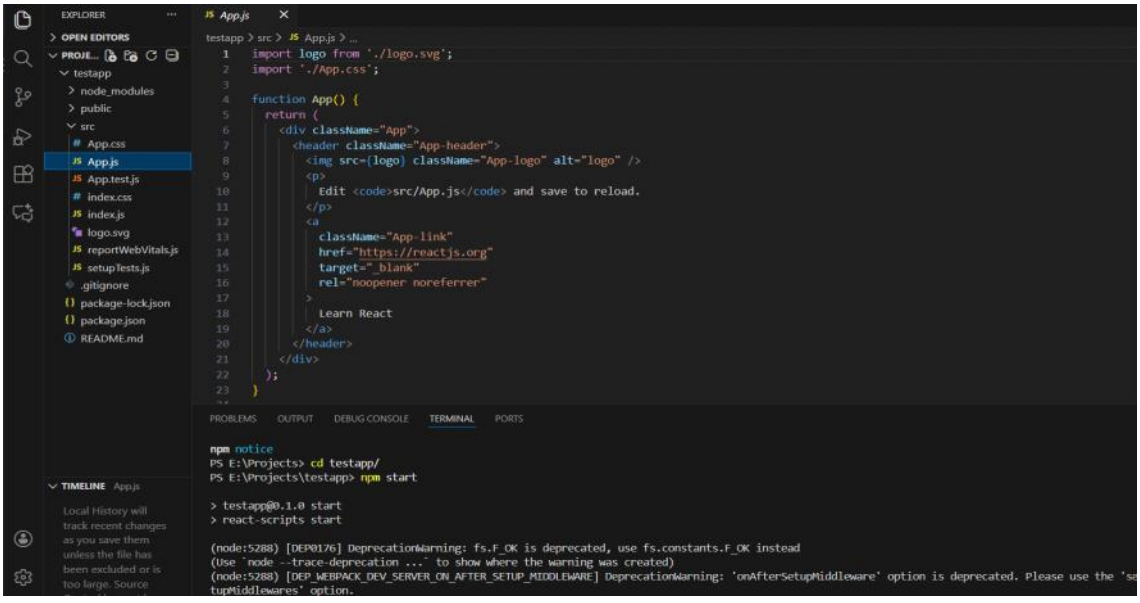



EXPLORER
OPEN EDITORS
PROJE...
testapp
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS E:\Projects> npx create-react-app testapp
npx : File C:\Program Files\nodejs\npx.ps1 cannot be loaded because running scripts is disabled on this system. For more information, see about_Execution_Policies at https:/go.microsoft.com/fwlink/?LinkID=135170.
At line:1 char:2
+ npx create-react-app testapp
+ ~~~
+ CategoryInfo : SecurityError: (:) [], PSSecurityException
+ FullyQualifiedErrorId : UnauthorizedAccess
PS E:\Projects> npx create-react-app testapp
Need to install the following packages:
create-react-app@5.1.0
Ok to proceed? (y) y
npm warn deprecated uid-number@0.0.6: This package is no longer supported.
npm warn deprecated rimraf@2.7.1: Rimraf versions prior to v4 are no longer supported
npm warn deprecated fstream-ignore@1.0.5: This package is no longer supported.
npm warn deprecated fstream@1.0.12: This package is no longer supported.
npm warn deprecated tar@2.2.2: This version of tar is no longer supported, and will not receive security updates. Please upgrade asap.
npm warn deprecated inflight@1.0.6: This module is not supported, and leaks memory. Do not use it. Check out lru-cache if you want a good and t
way to coalesce async requests by a key value, which is much more comprehensive and powerful.
npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported
create-react-app is deprecated.
You can find a list of up-to-date React frameworks on react.dev
For more info see:https://react.dev/link/cra
This error message will only be shown once per install.
TIMELINE
The active editor cannot provide timeline information.


EXPLORER
OPEN EDITORS
PROJECTS
testapp
node_modules
public
src
.gitignore
package-lock.json
package.json
README.md
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS E:\Projects> npx create-react-app testapp
npx : File C:\Program Files\nodejs\npx.ps1 cannot be loaded because running scripts is disabled on this system. For more information, see about_Execution_Policies at https:/go.microsoft.com/fwlink/?LinkID=135170.
At line:1 char:2
+ npx create-react-app testapp
+ ~~~
+ CategoryInfo : SecurityError: (:) [], PSSecurityException
+ FullyQualifiedErrorId : UnauthorizedAccess
PS E:\Projects> npx create-react-app testapp
Need to install the following packages:
create-react-app@5.1.0
Ok to proceed? (y) y
npm warn deprecated uid-number@0.0.6: This package is no longer supported.


npm start
Starts the development server.
npm run build
Bundles the app into static files for production.
npm test
Starts the test runner.
npm run eject
Removes this tool and copies build dependencies, configuration files
and scripts into the app directory. If you do this, you can't go back!
We suggest that you begin by typing:
cd testapp
npm start
Happy hacking!
npm notice
npm notice New patch version of npm available! 11.6.2 -> 11.6.3
npm notice Changelog: https://github.com/npm/cli/releases/tag/v11.6.3
npm notice To update run: npm install -g npm@11.6.3
npm notice
PS E:\Projects>


package-lock.json
package.json
README.md
npm notice To update run: npm install -g npm@11.6.3
npm notice
PS E:\Projects> cd testapp/
PS E:\Projects\testapp> npm start
> testapp@0.1.0 start
> react-scripts start
(node:5288) [DEP0176] DeprecationWarning: fs.F_OK is deprecated, use fs.constants.F_OK instead
(Use `node --trace-deprecation ...` to show where the warning was created)
(node:5288) [DEP_WEBPACK_DEV_SERVER_ON_AFTER_SETUP_MIDDLEWARE] DeprecationWarning: 'onAfterSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
(node:5288) [DEP_WEBPACK_DEV_SERVER_ON_BEFORE_SETUP_MIDDLEWARE] DeprecationWarning: 'onBeforeSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
Starting the development server...
Compiled successfully!
You can now view testapp in the browser.
Local: http://localhost:3000
On Your Network: http://172.17.240.1:3000
Note that the development build is not optimized.
To create a production build, use npm run build.
webpack compiled successfully
powershell
powershell
node
TIMELINE
The active editor cannot provide timeline information.


New tab
React App
localhost:3000
Edit src/App.js and save to reload.
Learn React


EXPLORER
OPEN EDITORS
testapp
node_modules
public
src
App.css
App.js
App.test.js
index.css
index.js
logo.svg
reportWebVitals.js
setupTests.js
.gitignore
package-lock.json
package.json
README.md
TIMELINE App.js
Local History will track recent changes as you save them unless the file has been excluded or is too large. Source
App.js
testapp > src > App.js > ...
import logo from './logo.svg';
import './App.css';
function App() {
return (

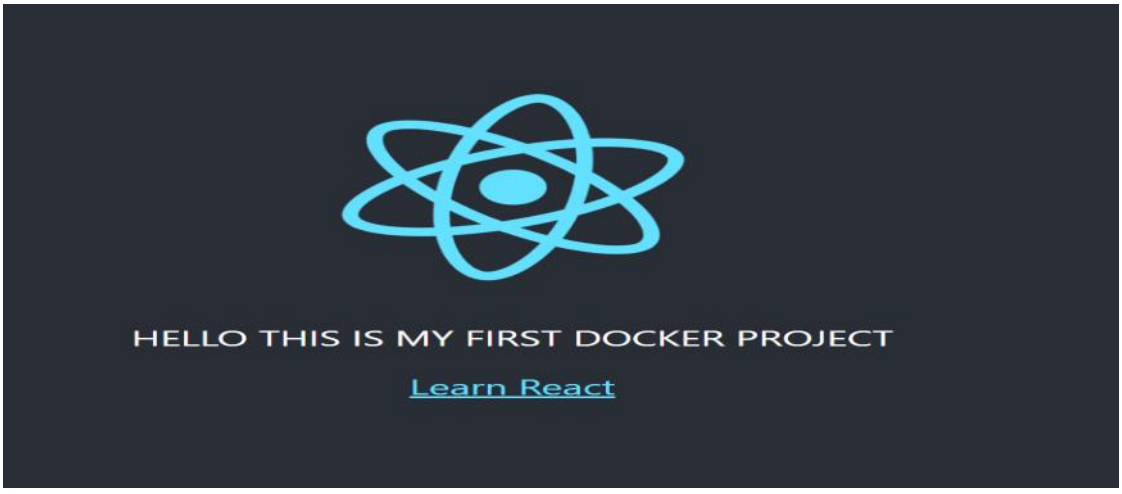
<header className="App-header">

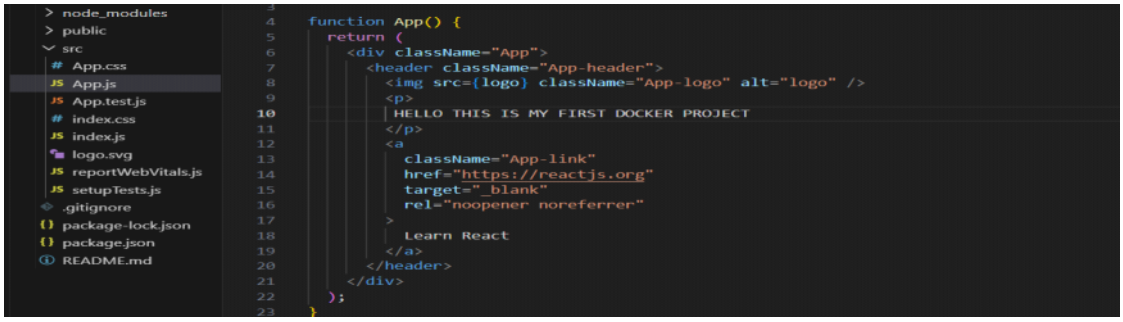
Edit <code>src/App.js</code> and save to reload.

<a
className="App-link"
href="https://reactjs.org"
target="_blank"
rel="noopener noreferrer"
>
Learn React

</header>

);
}
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
npm notice
PS E:\Projects> cd testapp/
PS E:\Projects\testapp> npm start
> testapp@0.1.0 start
> react-scripts start
(node:5288) [DEP0176] DeprecationWarning: fs.F_OK is deprecated, use fs.constants.F_OK instead
(Use `node --trace-deprecation ...` to show where the warning was created)
(node:5288) [DEP_WEBPACK_DEV_SERVER_ON_AFTER_SETUP_MIDDLEWARE] DeprecationWarning: 'onAfterSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.

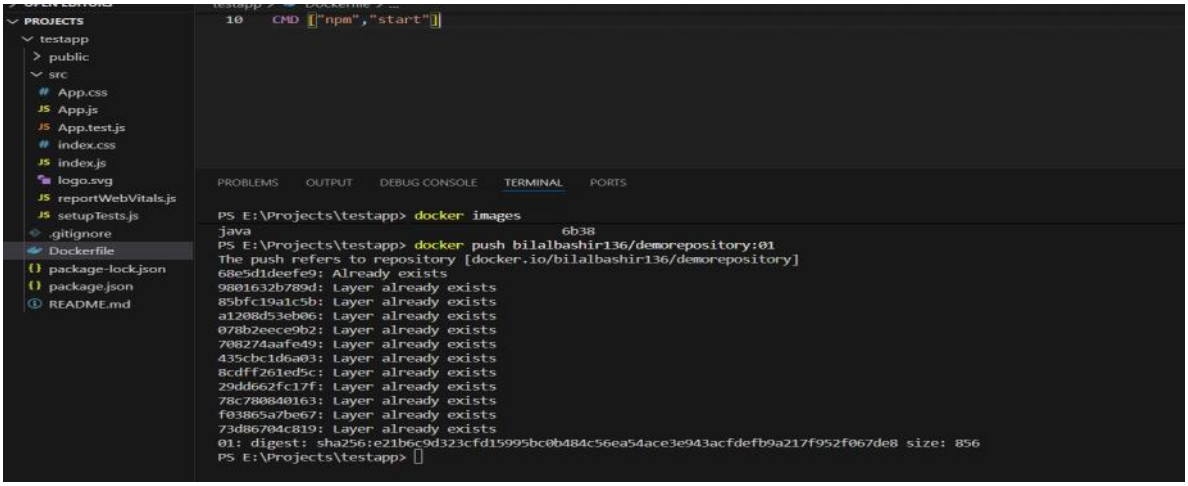

HELLO THIS IS MY FIRST DOCKER PROJECT
Learn React

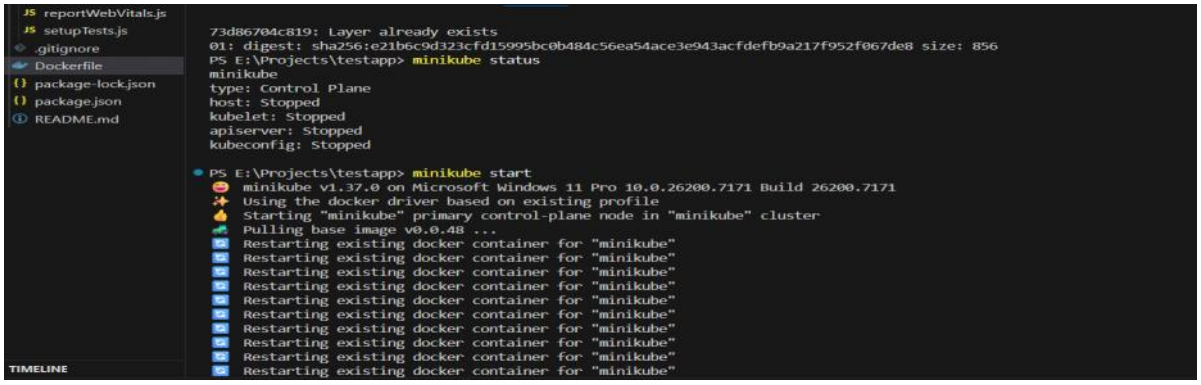


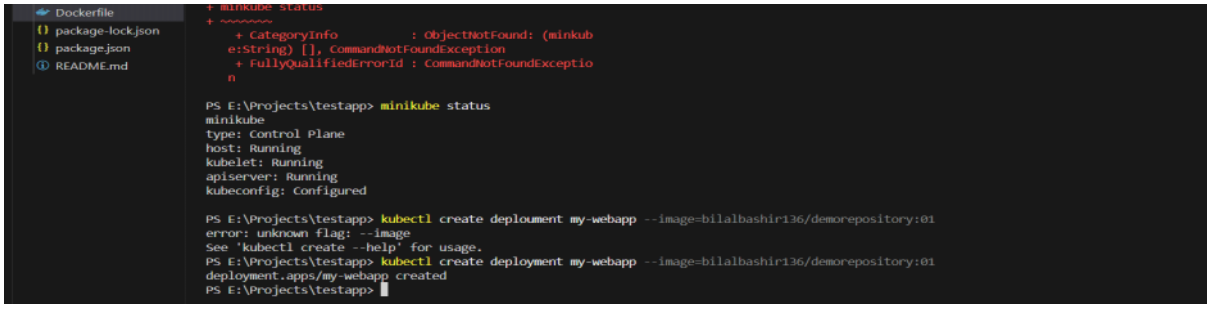

```
PS E:\Projects> cd testapp
PS E:\Projects\testapp> docker images
error during connect: Head "http://%2F%2F.%2Fpipe%2FdockerDesktopLinuxEngine/_ping": open //./pipe/dockerDesktopLinuxEngine: The system cannot find the file spec
ified.
PS E:\Projects\testapp> docker images
REPOSITORY                                TAG                                                IMAGE ID       CREATED         SIZE
nginx                                     alpine                                             b3c656d55d7a   3 weeks ago     79.8MB
mysql                                     latest                                             569c4128dfa6   4 weeks ago     1.27GB
mysql                                     8.0                                                f37951fc3753   4 weeks ago     1.07GB
alpine                                    latest                                             4b7ce07002c6   6 weeks ago     12.8MB
ubuntu                                    latest                                             66460d557b25   7 weeks ago     117MB
gcr.io/k8s-minikube/kicbase               <none>                                             7171c97a5162   2 months ago    1.84GB
gcr.io/k8s-minikube/kicbase               v0.0.48                                            41454ef774d0   2 months ago    1.84GB
hello-world                               latest                                             f7931603f70e   3 months ago    20.3kB
docker/desktop-kubernetes                 kubernetes-v1.32.2-cni-v1.6.0-critools-v1.31.1-cri-dockerd-v0.3.16-1-debian   fdd1722efdcc   9 months ago    596MB
registry.k8s.io/kube-apiserver            v1.32.2                                            c47449f3e751   9 months ago    129MB
registry.k8s.io/kube-scheduler            v1.32.2                                            45710d74cfd5   9 months ago    93.5MB
registry.k8s.io/kube-controller-manager   v1.32.2                                            399aa50f4d13   9 months ago    119MB
registry.k8s.io/kube-proxy                v1.32.2                                            83c025f0faa6   9 months ago    129MB
busybox                                   latest                                             e3652a00a2fa   14 months ago   6.78MB
```

```
View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/yz1ek3kox5wcs6kg75xhfq7p2
PS E:\Projects\testapp> docker build -t bilalbashir136/demorepository:01 .
[+] Building 156.3s (9/9) FINISHED                                                                                    docker:desktop
 => [internal] load build definition from Dockerfile
 => => transferring dockerfile: 133B
 => [internal] load metadata for docker.io/library/node:latest
 => [internal] load .dockerignore
 => => transferring context: 2B
 => [1/4] FROM docker.io/library/node:latest@sha256:7478f3725ef76ce6ba257a6818ea43c5eb7eb5bd424f0c3df1a80ff77203305e
 => => resolve docker.io/library/node:latest@sha256:7478f3725ef76ce6ba257a6818ea43c5eb7eb5bd424f0c3df1a80ff77203305e
 => => sha256:73d86704c819d129f8e98efcf40c6d3580c8a2f4f1a073f2856a0627275be80b 447B / 447B
 => => sha256:29dd662fc17fdd9a1d4907978c65a9134787d96a9bf3b82e63dc7a7f21190c15 1.25MB / 1.25MB
 => => sha256:435cbc1d6a03726bbc9f87d22a3b9d071e32104aafa770406a123186de9e5b6b 56.16MB / 56.16MB
 => => sha256:78c780840161e6a715b547f995a5b90f747b80634f54deabd353c7ee16183496 3.33kB / 3.33kB
 => => sha256:a1208d53eb0667932460017a5ef3960e5ed2aea9143d62b983abe2f8593eeb9a 211.46MB / 211.46MB
 => => sha256:078b2eece9b24f617524f986dbddd04f977e3e7d6fe15a0088a584147bc6ba05 64.40MB / 64.40MB
 => => sha256:8cdff261ed5ceee6fd4e729e68c2831a0abc6c7c017569ab45dfd2240bcc3712d 24.03MB / 24.03MB
 => => sha256:708274aafe49b02dddc66f97a5c45bb0b0fcf481ce6b43785b11f287fd4e4e1b 48.48MB / 48.48MB
 => => extracting sha256:708274aafe49b02dddc66f97a5c45bb0b0fcf481ce6b43785b11f287fd4e4e1b
 => => extracting sha256:8cdff261ed5ceee6fd4e729e68c2831a0abc6c7c017569ab45dfd2240bcc3712d
 => => extracting sha256:078b2eece9b24f617524f986dbddd04f977e3e7d6fe15a0088a584147bc6ba05
 => => extracting sha256:a1208d53eb0667932460017a5ef3960e5ed2aea9143d62b983abe2f8593eeb9a
```

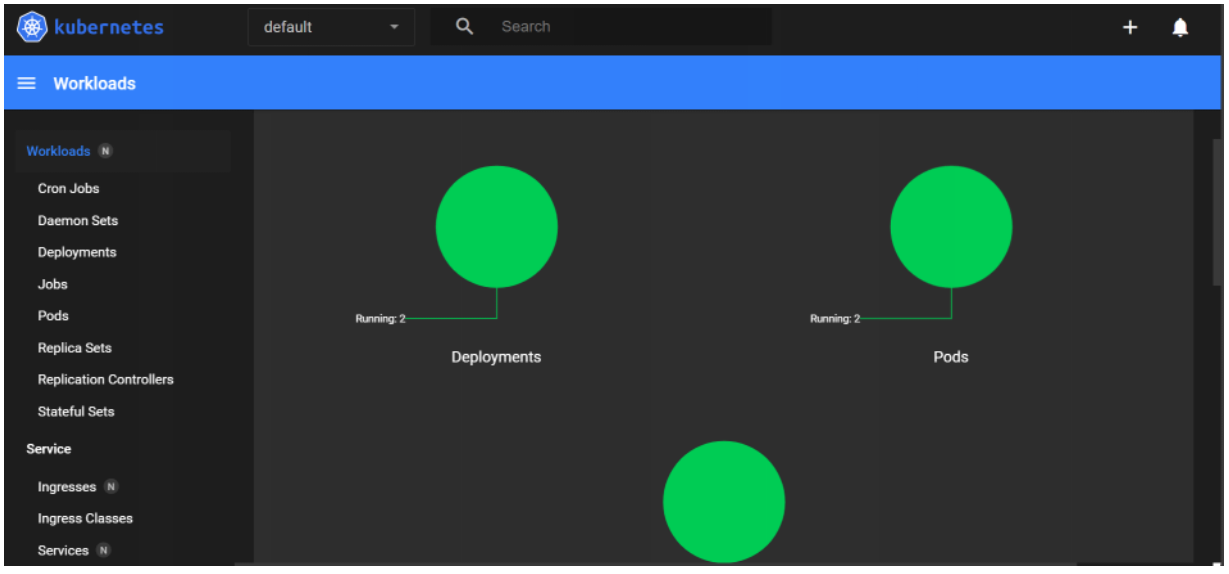
```
PS E:\Projects\testapp> docker build -t bilalbashir136/demorepository:01 .
 => => unpacking to docker.io/bilalbashir136/demorepository:01                                                          10.0s

View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/mqomld2kcjxhgoln6r7h8e5n9
PS E:\Projects\testapp> docker images
REPOSITORY                                TAG                                                IMAGE ID       CREATED          SIZE
bilalbashir136/demorepository             01                                                 e21b6c9d323c   53 seconds ago   2.15GB
nginx                                     alpine                                             b3c656d55d7a   3 weeks ago      79.8MB
mysql                                     latest                                             569c4128dfa6   4 weeks ago      1.27GB
mysql                                     8.0                                                f37951fc3753   4 weeks ago      1.07GB
alpine                                    latest                                             4b7ce07002c6   6 weeks ago      12.8MB
ubuntu                                    latest                                             66460d557b25   7 weeks ago      117MB
gcr.io/k8s-minikube/kicbase               <none>                                             7171c97a5162   2 months ago     1.84GB
gcr.io/k8s-minikube/kicbase               v0.0.48                                            41454ef774d0   2 months ago     1.84GB
hello-world                               latest                                             f7931603f70e   3 months ago     20.3kB
docker/desktop-kubernetes                 kubernetes-v1.32.2-cni-v1.6.0-critools-v1.31.1-cri-dockerd-v0.3.16-1-debian   fdd1722efdcc   9 months ago     596MB
registry.k8s.io/kube-apiserver            v1.32.2                                            c47449f3e751   9 months ago     129MB
registry.k8s.io/kube-controller-manager   v1.32.2                                            399aa50f4d13   9 months ago     119MB
registry.k8s.io/kube-proxy                v1.32.2                                            83c025f0faa6   9 months ago     129MB
registry.k8s.io/kube-scheduler            v1.32.2                                            45710d74cfd5   9 months ago     93.5MB
busybox                                   latest                                             e3652a00a2fa   14 months ago    6.78MB
registry.k8s.io/etcd                      3.5.16-0                                           c6a9d11cc5c0   14 months ago    211MB
registry.k8s.io/coredns/coredns           v1.11.3                                            9caabbf6238b   15 months ago    85.1MB
registry.k8s.io/pause                     3.10                                               ee6521f290b2   18 months ago    1.06MB
docker/desktop-vpnkit-controller          dc331cb22850be0cdd97c84a9cfecaf44a1afb6e           7ecf567ea070   2 years ago      47MB
```



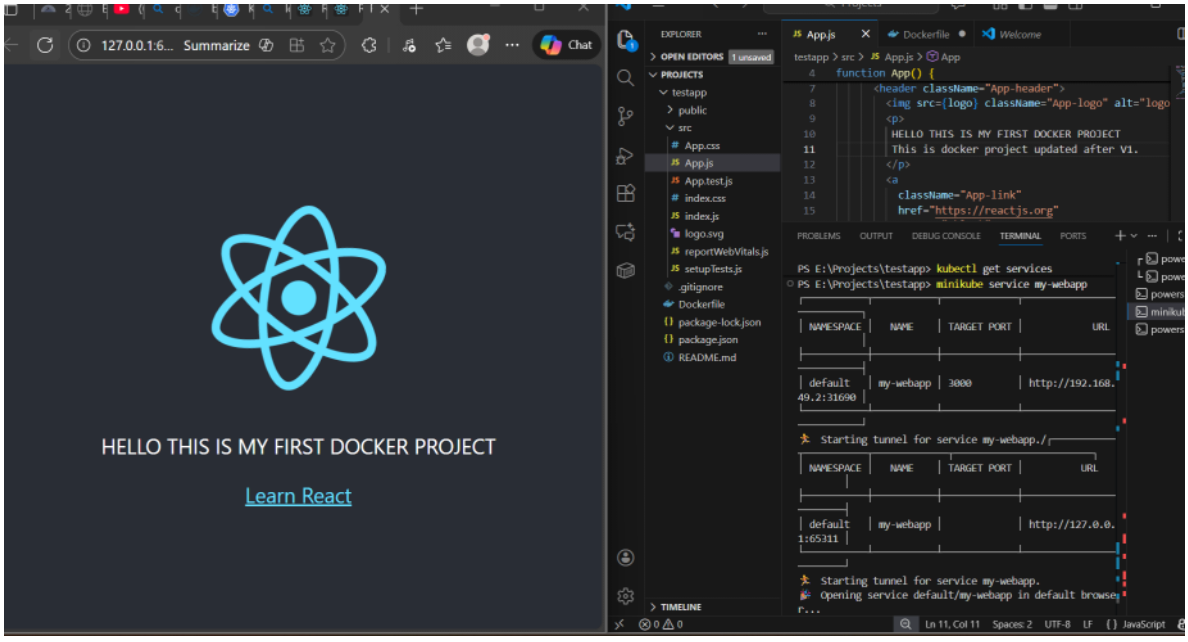

reportWebVitals.js
setupTests.js
.gitignore
Dockerfile
package-lock.json
package.json
README.md
TIMELINE
73d86704c819: Layer already exists
01: digest: sha256:e21b6c9d323cfd15995bc0b484c56ea54ace3e943acfdefb9a217f952f067de8 size: 856
PS E:\Projects\testapp> minikube status
minikube
type: Control Plane
host: Stopped
kubelet: Stopped
apiserver: Stopped
kubeconfig: Stopped
PS E:\Projects\testapp> minikube start
minikube v1.37.0 on Microsoft Windows 11 Pro 10.0.26200.7171 Build 26200.7171
Using the docker driver based on existing profile
Starting "minikube" primary control-plane node in "minikube" cluster
Pulling base image v0.0.48 ...
Restarting existing docker container for "minikube"


Dockerfile
package-lock.json
package.json
README.md
+ minikube status
+ ~~~~~~~
+ CategoryInfo : ObjectNotFound: (minkub
e:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundExceptio
n
PS E:\Projects\testapp> minikube status
minikube
type: Control Plane
host: Running
kubelet: Running
apiserver: Running
kubeconfig: Configured
PS E:\Projects\testapp> kubectl create deploument my-webapp --image=bilalbashir136/demorepository:01
error: unknown flag: --image
See 'kubectl create --help' for usage.
PS E:\Projects\testapp> kubectl create deployment my-webapp --image=bilalbashir136/demorepository:01
deployment.apps/my-webapp created
PS E:\Projects\testapp>

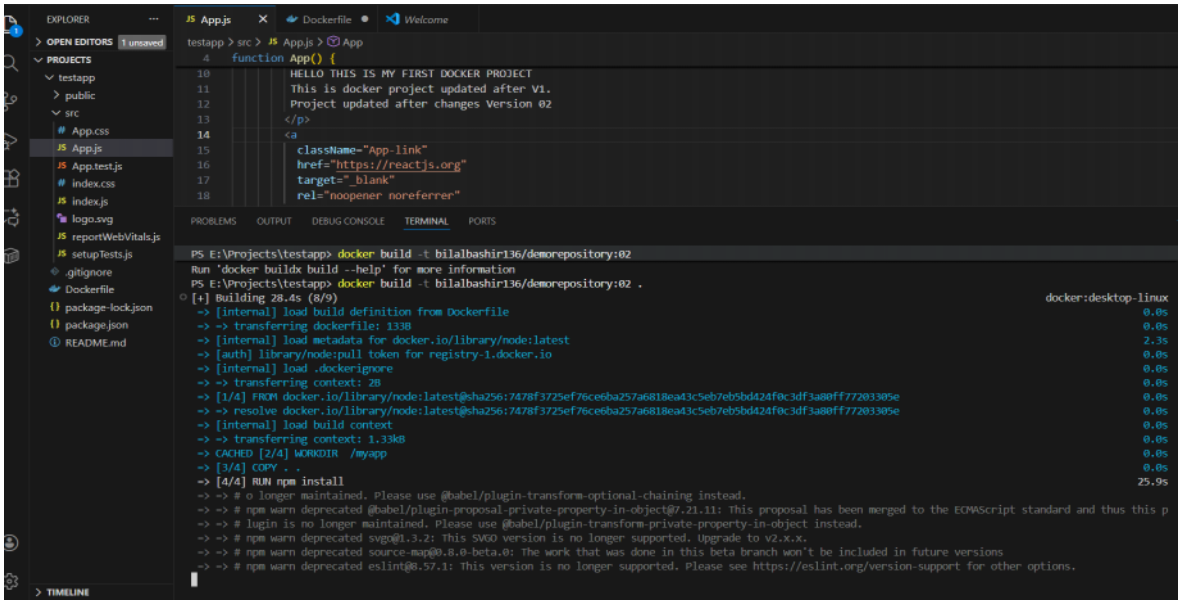

.gitignore
Dockerfile
package-lock.json
package.json
README.md
error: unknown flag: --image
See 'kubectl create --help' for usage.
PS E:\Projects\testapp> kubectl create deployment my-webapp --image=bilalbashir136/demorepository:01
deployment.apps/my-webapp created
PS E:\Projects\testapp> kubectl get deployment
NAME READY UP-TO-DATE AVAILABLE AGE
my-nginx 1/1 1 1 3d3h
my-webapp 0/1 1 0 91s
PS E:\Projects\testapp> kubectl get pods
NAME READY STATUS RESTARTS AGE
my-nginx-54fc6798c5-s56t2 1/1 Running 2 (5m15s ago) 3d3h
my-webapp-55dfd64f8f-k6mlt 1/1 Running 0 2m12s
PS E:\Projects\testapp> minikube dashboard
Verifying dashboard health ...
Launching proxy ...
Verifying proxy health ...
Opening http://127.0.0.1:55016/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard:/proxy/ in your default browser...

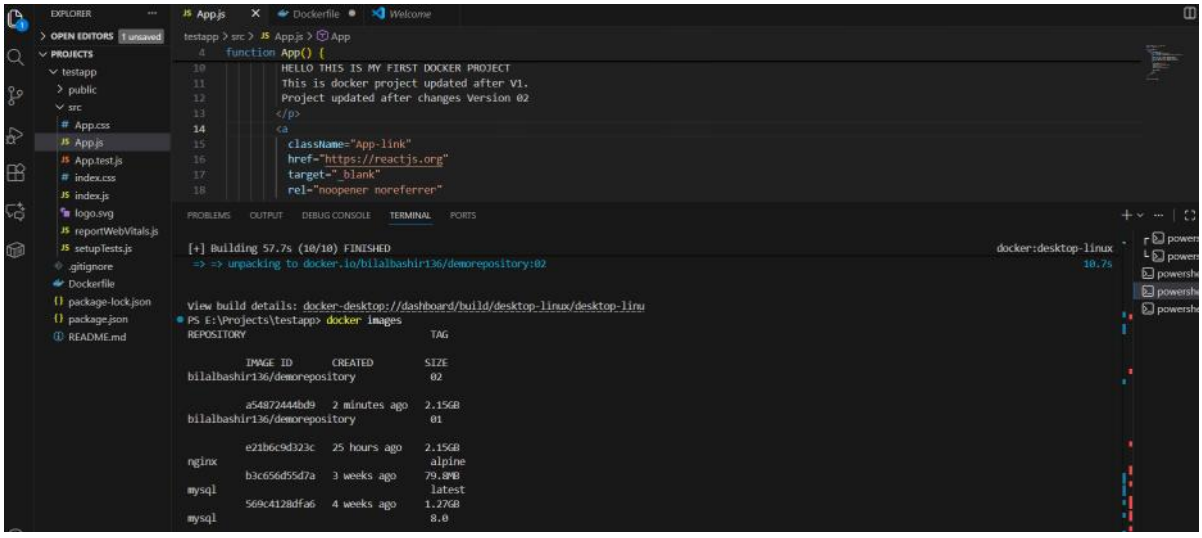

kubernetes
default
Search
Workloads
Workloads N
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses N
Ingress Classes
Services N
Running: 2
Deployments
Running: 2
Pods


Dockerfile
package-lock.json
package.json
README.md
TIMELINE
my-webapp LoadBalancer 10.106.142.60 <pending> 3000:31690/TCP 6m30s
PS E:\Projects\testapp> minikube service my-webapp
NAMESPACE NAME TARGET PORT URL
default my-webapp 3000 http://192.168.49.2:31690
Starting tunnel for service my-webapp.
NAMESPACE NAME TARGET PORT URL
default my-webapp http://127.0.0.1:54133
Starting tunnel for service my-webapp.
Opening service default/my-webapp in default browser...
Because you are using a Docker driver on windows, the terminal needs to be open to run it.
PS E:\Projects\testapp> kubectl expose deployment my-webapp --type=LoadBalancer --port=3000
Error from server (AlreadyExists): services "my-webapp" already exists
PS E:\Projects\testapp> kubectl get services
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 31d
my-nginx LoadBalancer 10.107.159.46 <pending> 80:30698/TCP 3d2h
my-webapp LoadBalancer 10.106.142.60 <pending> 3000:31690/TCP 7m44s
PS E:\Projects\testapp>

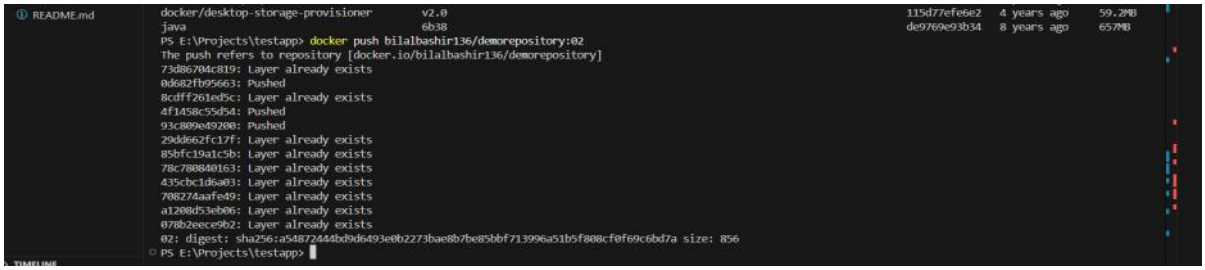


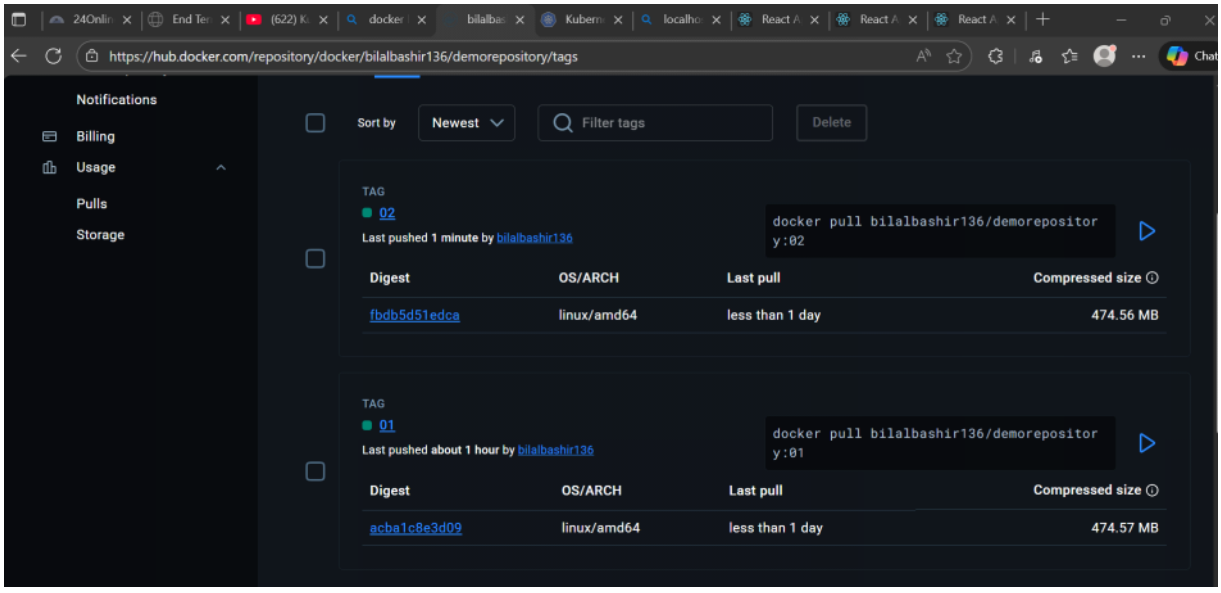
Updating project in live environment :update source file,then create docker file and upload

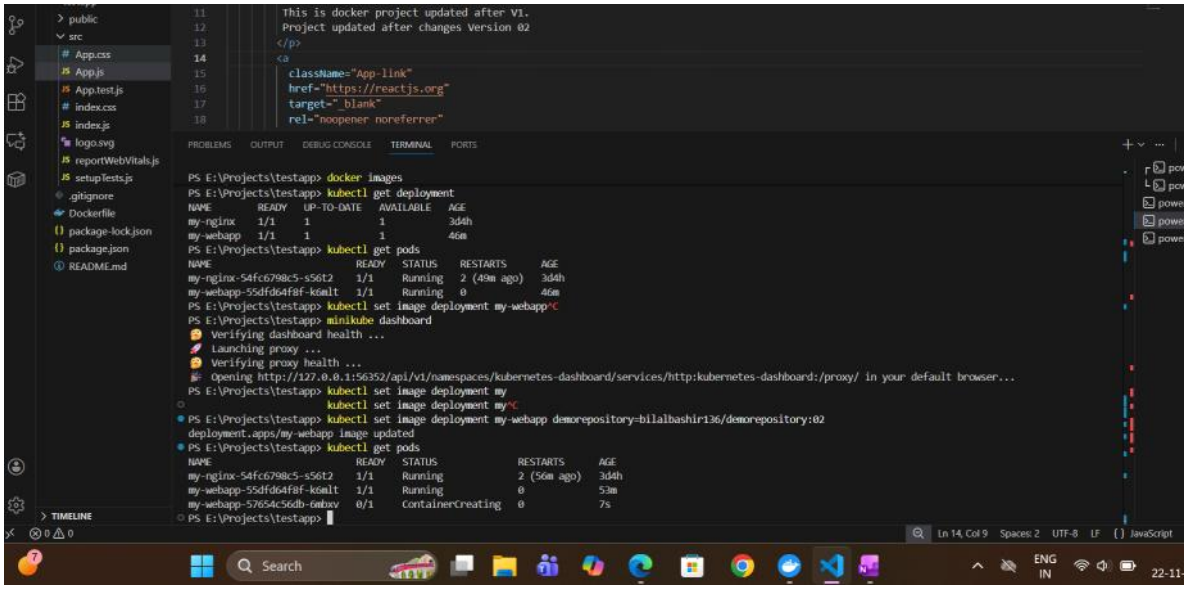




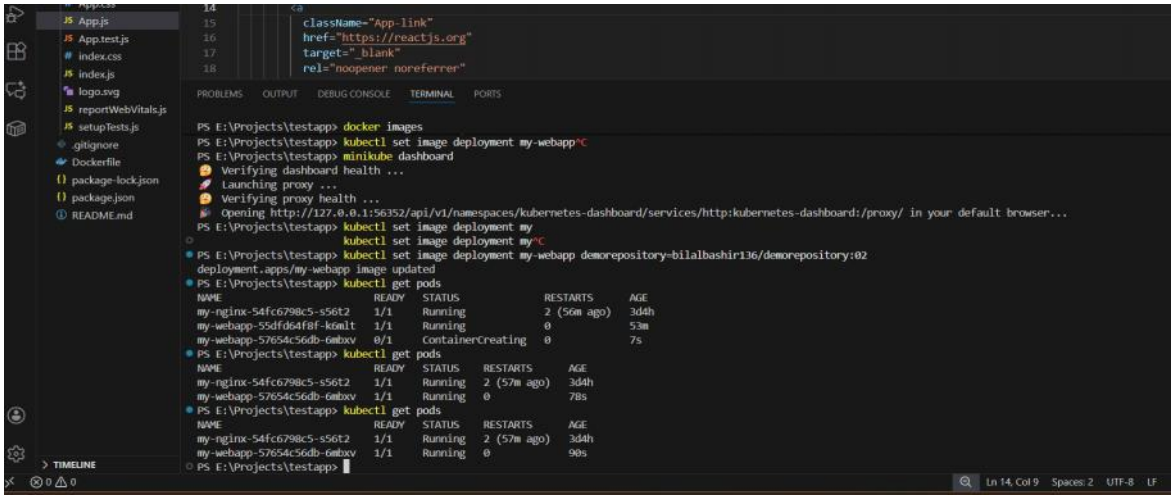
Push the images

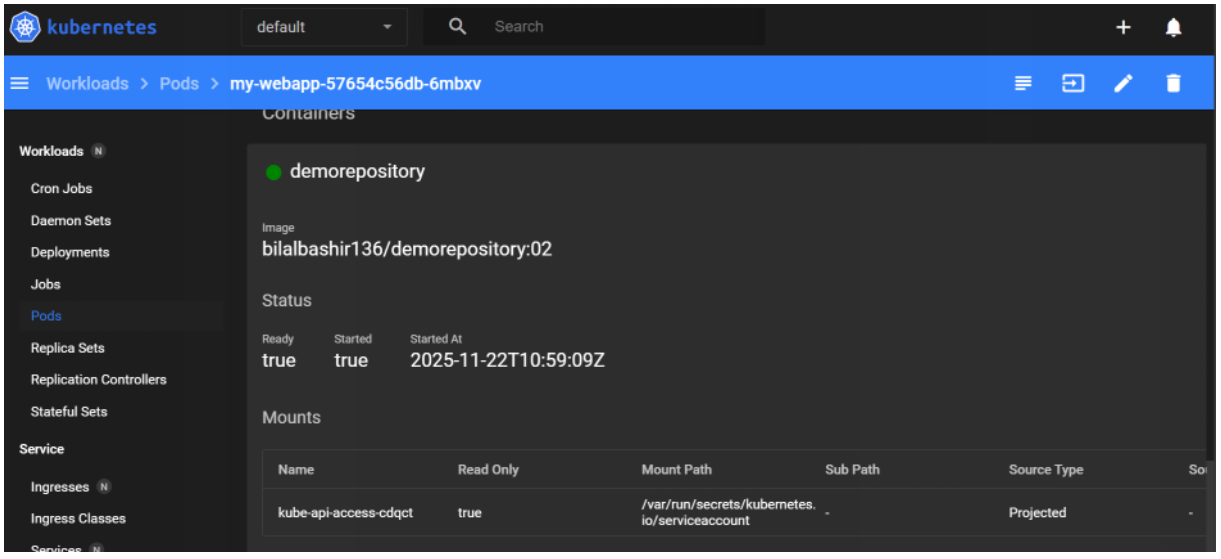


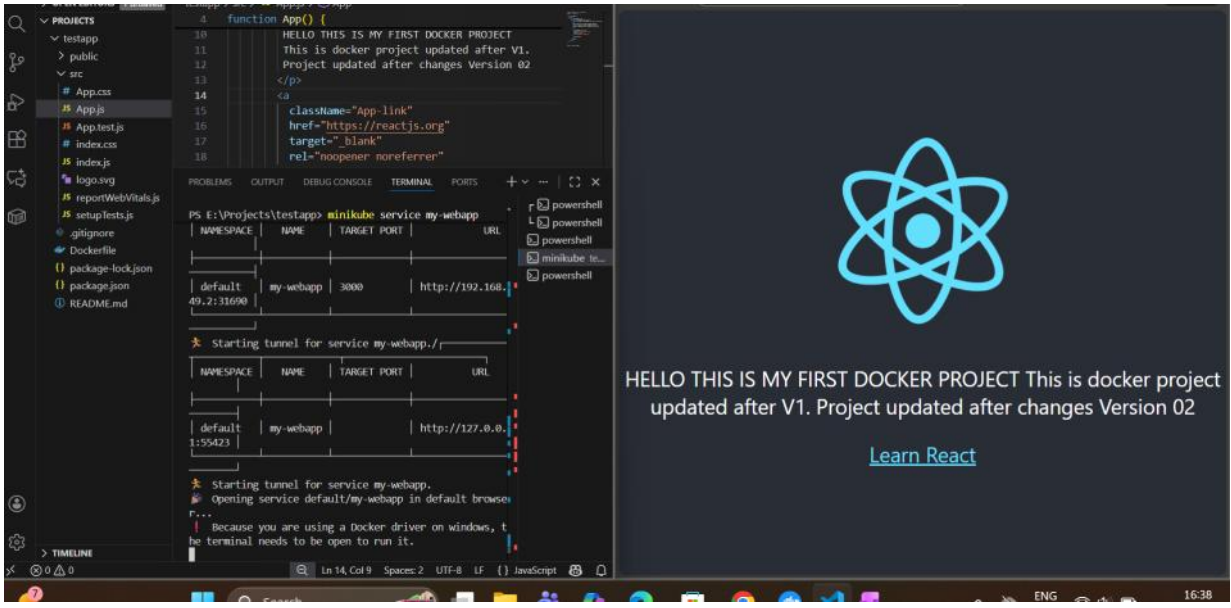




App updated older pod delted automatically


App.js
App.test.js
index.css
index.js
logo.svg
reportWebVitals.js
setupTests.js
.gitignore
Dockerfile
package-lock.json
package.json
README.md
className="App-link"
href="https://reactjs.org"
target="_blank"
rel="noopener noreferrer"
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS E:\Projects\testapp> docker images
PS E:\Projects\testapp> kubectl set image deployment my-webapp^C
PS E:\Projects\testapp> minikube dashboard
Verifying dashboard health ...
Launching proxy ...
Verifying proxy health ...
Opening http://127.0.0.1:56352/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard:/proxy/ in your default browser...
PS E:\Projects\testapp> kubectl set image deployment my
kubectl set image deployment my^C
PS E:\Projects\testapp> kubectl set image deployment my-webapp demorepository-bilalbashir136/demorepository:02
deployment.apps/my-webapp image updated
PS E:\Projects\testapp> kubectl get pods
NAME READY STATUS RESTARTS AGE
my-nginx-54fc6798c5-s56t2 1/1 Running 2 (56m ago) 3d4h
my-webapp-55dfd64f8f-k6mlt 1/1 Running 0 53m
my-webapp-57654c56db-6mbxv 0/1 ContainerCreating 0 7s
PS E:\Projects\testapp> kubectl get pods
NAME READY STATUS RESTARTS AGE
my-nginx-54fc6798c5-s56t2 1/1 Running 2 (57m ago) 3d4h
my-webapp-57654c56db-6mbxv 1/1 Running 0 78s
PS E:\Projects\testapp> kubectl get pods
NAME READY STATUS RESTARTS AGE
my-nginx-54fc6798c5-s56t2 1/1 Running 2 (57m ago) 3d4h
my-webapp-57654c56db-6mbxv 1/1 Running 0 90s
PS E:\Projects\testapp>
TIMELINE
Ln 14, Col 9 Spaces: 2 UTF-8 LF


kubernetes
default
Search
Workloads > Pods > my-webapp-57654c56db-6mbxv
Containers
Workloads
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses
Ingress Classes
demorepository
Image
bilalbashir136/demorepository:02
Status
Ready
true
Started
true
Started At
2025-11-22T10:59:09Z
Mounts
Name
Read Only
Mount Path
Sub Path
Source Type
kube-api-access-cdqct
true
/var/run/secrets/kubernetes.io/serviceaccount
-
Projected


PROJECTS
testapp
public
src
App.css
App.js
App.test.js
index.css
index.js
logo.svg
reportWebVitals.js
setupTests.js
.gitignore
Dockerfile
package-lock.json
package.json
README.md
function App() {
HELLO THIS IS MY FIRST DOCKER PROJECT
This is docker project updated after V1.
Project updated after changes Version 02
className="App-link"
href="https://reactjs.org"
target="_blank"
rel="noopener noreferrer"
PS E:\Projects\testapp> minikube service my-webapp
NAMESPACE NAME TARGET PORT URL
default my-webapp 3000 http://192.168.49.2:31690
Starting tunnel for service my-webapp.
default my-webapp http://127.0.0.1:55423
Starting tunnel for service my-webapp.
Opening service default/my-webapp in default browser...
! Because you are using a Docker driver on windows, the terminal needs to be open to run it.
powershell
minikube te...
HELLO THIS IS MY FIRST DOCKER PROJECT This is docker project updated after V1. Project updated after changes Version 02
Learn React