

```
ubuntu@ip-172-31-41-121: ~/DevOps-task/Nodeapp-Task/FirstNode
```

```
ubuntu@ip-172-31-41-121:~/DevOps-task/Nodeapp-Task/FirstNode$ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
mynodeapp	V1	8b5599ec95b3	30 minutes ago	916MB
sufiyann9/mynodeapp	V1	8b5599ec95b3	30 minutes ago	916MB
node	14	1d12470fa662	5 months ago	912MB

```
ubuntu@ip-172-31-41-121:~/DevOps-task/Nodeapp-Task/FirstNode$ docker push sufiyann9/mynodeapp:V1
```

The push refers to repository [docker.io/sufiyann9/mynodeapp]

b879d6faf676: Pushed

89743a63e296: Pushed

ec561b661bc3: Pushed

43bf83f7b2b5: Pushed

0d5f5a015e5d: Mounted from library/node

3c777d951de2: Mounted from library/node

f8a91dd5fc84: Mounted from library/node

cb81227abde5: Mounted from library/node

e01a454893a9: Mounted from library/node

c45660adde37: Mounted from library/node

fe0fb3ab4a0f: Mounted from library/node

f1186e5061f2: Mounted from library/node

b2dba7477754: Mounted from library/node

V1: digest: sha256:2723d3c72f27177385c490aa93acd2022ca0763d2ba0762de80d0bf329c90166 size: 3049

```
ubuntu@ip-172-31-41-121:~/DevOps-task/Nodeapp-Task/FirstNode$
```

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```

```
ubuntu@ip-172-31-41-121:~/DevOps-task/Nodeapp-Task/FirstNode$ ls
```

Dockerfile app.js package-lock.json package.json

```
ubuntu@ip-172-31-41-121:~/DevOps-task/Nodeapp-Task/FirstNode$ docker build -t mynodeapp:V1 .
```

DEPRECATED: The legacy builder is deprecated and will be removed in a future release.

Install the buildx component to build images with BuildKit:

<https://docs.docker.com/go/buildx/>

Sending build context to Docker daemon 27.14kB

Step 1/7 : FROM node:14

---> 1d12470fa662

Step 2/7 : WORKDIR /usr/src/app

---> Using cache

---> 3cc788721bba

Step 3/7 : COPY package*.json ./

---> Using cache

---> 31dd6ebe0226

Step 4/7 : RUN npm install

---> Using cache

---> 673bf38234eb

Step 5/7 : COPY . .

---> Using cache

---> e8965875ecaa

Step 6/7 : EXPOSE 3000

---> Using cache

---> 3aa5582f1671

Step 7/7 : CMD ["node","app.js"]

---> Using cache

---> 8b5599ec95b3

Successfully built 8b5599ec95b3

Successfully tagged mynodeapp:V1

```
ubuntu@ip-172-31-41-121:~/DevOps-task/Nodeapp-Task/FirstNode$
```

Dashboard > Nodes > Jenkins-slave > Log

```
[09/20/23 10:22:18] [SSH] Starting agent process: cd "/tmp/jenkins-slave" && java -jar remoting.jar -workDir /tmp/jenkins-slave -jar-cache /tmp/jenkins-slave/remoting/jarCache
Sep 20, 2023 10:22:18 AM org.jenkinsci.remoting.engine.WorkDirManager initializeWorkDir
INFO: Using /tmp/jenkins-slave/remoting as a remoting work directory
Sep 20, 2023 10:22:18 AM org.jenkinsci.remoting.engine.WorkDirManager setupLogging
INFO: Both error and output logs will be printed to /tmp/jenkins-slave/remoting
<==[JENKINS REMOTING CAPACITY]==>channel started
Remoting version: 3148.v532a_7e715ee3
Launcher: SSHLauncher
Communication Protocol: Standard in/out
This is a Unix agent
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by jenkins.slaves.StandardOutputSwapper$ChannelSwapper to constructor java.io.FileDescriptor(int)
WARNING: Please consider reporting this to the maintainers of jenkins.slaves.StandardOutputSwapper$ChannelSwapper
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
Evacuated stdout
Agent successfully connected and online
```

ubuntu@ip-172-31-41-121: ~/DevOps-task/Nodeapp-Task/FirstNode

```
ubuntu@ip-172-31-41-121:~/DevOps-task/Nodeapp-Task/FirstNode$ docker run -d -p 3000:3000 --name myapp mydockerapp
68e354cf753c9b1e5d4cd197f1c2f17d295a4b7c8bc1ac69c67df9232f304d98
```

```
ubuntu@ip-172-31-41-121:~/DevOps-task/Nodeapp-Task/FirstNode$ docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                               NAMES
68e354cf753c   mydockerapp    "docker-entrypoint.s..." 7 seconds ago  Up 6 seconds  0.0.0.0:3000->3000/tcp, :::3000->3000/tcp  myapp
ubuntu@ip-172-31-41-121:~/DevOps-task/Nodeapp-Task/FirstNode$
```

ubuntu@ip-172-31-41-121: ~/DevOps-task/Nodeapp-Task/FirstNode

```
ubuntu@ip-172-31-41-121:~/DevOps-task/Nodeapp-Task/FirstNode$ docker run -d -p 3000:8000 --name myapp mydockerapp
ff6b1e4e9e2612c164c1f196cea11a9c86d4c3336b1916cc668cebedadf97396
```

```
ubuntu@ip-172-31-41-121:~/DevOps-task/Nodeapp-Task/FirstNode$ docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                               NAMES
ff6b1e4e9e26   mydockerapp    "docker-entrypoint.s..." 17 seconds ago  Up 17 seconds  3000/tcp, 0.0.0.0:3000->8000/tcp, :::3000->8000/tcp  myapp
ubuntu@ip-172-31-41-121:~/DevOps-task/Nodeapp-Task/FirstNode$ 1727c11b517a
```

sufiyann9
Repositories
mynodeapp
General
Using 0 of 1 private repositories. [Get more](#)

General
Tags
Builds
Collaborators
Webhooks
Settings

i Add a short description for this repository
The short description is used to index your content on Docker Hub and in search engines. It's visible to users in search results.
Update

sufiyann9 / mynodeapp

Description
This repository does not have a description

Last pushed: 3 minutes ago

Docker commands
To push a new tag to this repository:

docker push sufiyann9/mynodeapp:tagname

Public View

Tags
This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
V1		Image	---	3 minutes ago

[See all](#)
[Go to Advanced Image Management](#)

Automated Builds
Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.
Available with Pro, Team and Business subscriptions. [Read more about automated builds](#) .

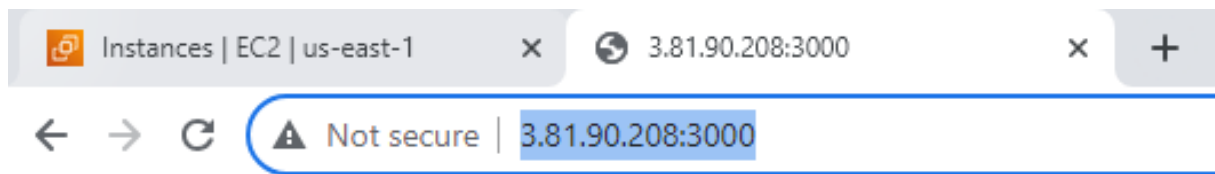
Upgrade

```

ubuntu@ip-172-31-41-121:~$ ls -a
. . . .bash_history .bash_logout .bashrc .cache .profile .ssh .sudo_as_admin_successful .viminfo DevOps-task
ubuntu@ip-172-31-41-121:~$ cd DevOps-task
ubuntu@ip-172-31-41-121:~/DevOps-task$ ls -a
. . . Nodeapp-Task
ubuntu@ip-172-31-41-121:~/DevOps-task$ cd Nodeapp-Task
ubuntu@ip-172-31-41-121:~/DevOps-task/Nodeapp-Task$ ls -a
. . . .git FirstNode node_modules package-lock.json package.json
ubuntu@ip-172-31-41-121:~/DevOps-task/Nodeapp-Task$ cd FirstNode
-bash: cd: FirstNode: No such file or directory
ubuntu@ip-172-31-41-121:~/DevOps-task/Nodeapp-Task$ cd FirstNode
ubuntu@ip-172-31-41-121:~/DevOps-task/Nodeapp-Task/FirstNode$ ls -a
. . . Dockerfile app.js
ubuntu@ip-172-31-41-121:~/DevOps-task/Nodeapp-Task/FirstNode$ docker build -t mynodeapp .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
             Install the buildx component to build images with BuildKit:
             https://docs.docker.com/go/buildx/

Sending build context to Docker daemon  3.072kB
Step 1/6 : FROM node:14
--> 1d12470fa662
Step 2/6 : WORKDIR /usr/src/app
--> Using cache
--> d4e23ea25ada
Step 3/6 : COPY package*.json app.js .
--> Using cache
--> 0e53cda33bb3
Step 4/6 : RUN npm install
--> Using cache
--> c43deb975f13
Step 5/6 : EXPOSE 3000
--> Using cache
--> 3635ff80c82e
Step 6/6 : CMD [ "node", "app.js" ]
--> Using cache
--> 2f9fd7ac4098
Successfully built 2f9fd7ac4098
Successfully tagged mynodeapp:latest
ubuntu@ip-172-31-41-121:~/DevOps-task/Nodeapp-Task/FirstNode$

```



Welcome to dockarised app

```
ubuntu@ip-172-31-80-216:~$ git clone https://github.com/SufiyanN9/Nodeapp-Task.git
Cloning into 'Nodeapp-Task'...
remote: Enumerating objects: 542, done.
remote: Counting objects: 100% (542/542), done.
remote: Compressing objects: 100% (430/430), done.
remote: Total 542 (delta 86), reused 542 (delta 86), pack-reused 0
Receiving objects: 100% (542/542), 649.15 KiB | 17.08 MiB/s, done.
Resolving deltas: 100% (86/86), done.
ubuntu@ip-172-31-80-216:~$ ls
Nodeapp-Task  kubect1.sha256  minikube-linux-amd64
ubuntu@ip-172-31-80-216:~$ cd Nodeapp-Task
ubuntu@ip-172-31-80-216:~/Nodeapp-Task$ ls
FirstNode  node_modules  package-lock.json  package.json
ubuntu@ip-172-31-80-216:~/Nodeapp-Task$ cd FirstNode
ubuntu@ip-172-31-80-216:~/Nodeapp-Task/FirstNode$ ls
Dockerfile  app.js  deployment.yml  package-lock.json  package.json  service.yml
ubuntu@ip-172-31-80-216:~/Nodeapp-Task/FirstNode$ kubectl create -f deployment.yml
deployment.apps/nodejs-deployment created
ubuntu@ip-172-31-80-216:~/Nodeapp-Task/FirstNode$ kubectl get deploy
NAME                READY   UP-TO-DATE   AVAILABLE   AGE
nodejs-deployment   0/1     1             0            51s
ubuntu@ip-172-31-80-216:~/Nodeapp-Task/FirstNode$ kubectl get rs
NAME                DESIRED   CURRENT   READY   AGE
nodejs-deployment-d9cfc467  1         1         0       2m2s
ubuntu@ip-172-31-80-216:~/Nodeapp-Task/FirstNode$ kubectl get pods
NAME                READY   STATUS              RESTARTS   AGE
nodejs-deployment-d9cfc467-pfb2r  0/1     ImagePullBackOff    0           2m14s
```

```
service.yml  19L, 2020-11-11
ubuntu@ip-172-31-80-216:~/Nodeapp-Task/FirstNode$ kubectl create -f service.yml
service/mynodejs-service created
ubuntu@ip-172-31-80-216:~/Nodeapp-Task/FirstNode$ kubectl get svc
NAME                TYPE        CLUSTER-IP      EXTERNAL-IP  PORT(S)          AGE
kubernetes          ClusterIP   10.96.0.1        <none>       443/TCP          56m
mynodejs-service     NodePort    10.110.234.182   <none>       3000:30001/TCP   14s
nodejs-service       LoadBalancer 10.101.243.150   <pending>    3000:31358/TCP   26m
```