

```
Activities Terminal Feb 28 17:07 ubuntu@ubuntu: ~/nodejs-docker
unable to correct problems, you have held broken packages.
ubuntu@ubuntu:~$ sudo apt install nodejs
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  nodejs
0 upgraded, 1 newly installed, 0 to remove and 457 not upgraded.
Need to get 29.7 MB of archives.
After this operation, 187 MB of additional disk space will be used.
Get:1 https://deb.nodesource.com/node_18.x nodistro/main amd64 nodejs amd64 18.20.6-1nodesource1 [29.7 MB]
Fetched 29.7 MB in 2s (17.9 MB/s)
Selecting previously unselected package nodejs.
(Reading database ... 211839 files and directories currently installed.)
Preparing to unpack .../nodejs_18.20.6-1nodesource1_amd64.deb ...
Unpacking nodejs (18.20.6-1nodesource1) ...
Setting up nodejs (18.20.6-1nodesource1) ...
Processing triggers for man-db (2.10.2-1) ...
ubuntu@ubuntu:~$ mkdir nodejs-docker
ubuntu@ubuntu:~$ cd nodejs-docker
ubuntu@ubuntu:~/nodejs-docker$ npm init -y
Wrote to /home/ubuntu/nodejs-docker/package.json:

{
  "name": "nodejs-docker",
  "version": "1.0.0",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "description": ""
}

ubuntu@ubuntu:~/nodejs-docker$ npm install express
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ubuntu@ubuntu:~/nodejs-docker$ npm install express
added 69 packages, and audited 70 packages in 3s

14 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
ubuntu@ubuntu:~/nodejs-docker$ touch server.js
ubuntu@ubuntu:~/nodejs-docker$ touch Dockerfile
ubuntu@ubuntu:~/nodejs-docker$ nano Dockerfile
ubuntu@ubuntu:~/nodejs-docker$ docker build -t nodejs-app .

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/

permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Post "http://%2Fvar%2Frun%2Fdocker.sock/v1.45/build?buildargs=%7B%7D&cachefrom=%5B%5D&cgroupparent=&cpuperiod=&cpuquota=&cpusetcpus=&cpusetmems=&pushshares=&dockerfile=Dockerfile&labels=%7B%7D&memory=&memswap=&networkmode=default&rm=1&shmsize=&t=nodejs-app&target=&ulimits=%5B%5D&version=1": dial unix /var/run/docker.sock: connect: permission denied
ubuntu@ubuntu:~/nodejs-docker$ sudo docker build -t nodejs-app .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
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Sending build context to Docker daemon  2.848MB
Step 1/7 : FROM node:18-alpine
18-alpine: Pulling from library/node
f18232174bc9: Already exists
a5cf158cb374: Pull complete
f46e519824fb: Pull complete
3d8c59f7308d: Pull complete
Digest: sha256:e0340f26173b41066d68e3fe9bfbdb6571ab3cad0a4272919a52e36f4ae56925
Status: Downloaded newer image for node:18-alpine
--> 70649fe1a0d7
Step 2/7 : WORKDIR /app
--> Running in 463809e8c494
```

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ubuntu@ubuntu:~/nodejs-docker$ sudo docker build -t nodejs-app .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
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Sending build context to Docker daemon 2.848MB
Step 1/7 : FROM node:18-alpine
--> 70649fe1a0d7
Step 2/7 : WORKDIR /app
--> Using cache
--> e7a16ba4836a
Step 3/7 : COPY package.json .
--> Using cache
--> 8237176e2ced
Step 4/7 : RUN npm install
--> Using cache
--> 03c895ee51b2
Step 5/7 : COPY . .
--> Using cache
--> f0ad49c0b671
Step 6/7 : EXPOSE 3000
--> Using cache
--> 46990deaa877
Step 7/7 : CMD ["node", "server.js"]
--> Using cache
--> b973f64f568d
Successfully built b973f64f568d
Successfully tagged nodejs-app:latest
ubuntu@ubuntu:~/nodejs-docker$ sudo systemctl restart docker
ubuntu@ubuntu:~/nodejs-docker$ echo "node_modules" >> .dockerignore
ubuntu@ubuntu:~/nodejs-docker$ FROM node:18
WORKDIR /app
COPY package.json package-lock.json ./
RUN npm install
COPY . .
CMD ["node", "server.js"]
FROM: command not found
WORKDIR: command not found
COPY: command not found
RUN: command not found
```

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Activities Terminal Feb 28 17:07 ubuntu@ubuntu: ~/nodejs-docker

COPY: command not found
RUN: command not found
COPY: command not found
CMD: command not found
ubuntu@ubuntu:~/nodejs-docker$ sudo docker build -t nodejs-app .
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 35.33kB
Step 1/7 : FROM node:18-alpine
--> 70649fe1a0d7
Step 2/7 : WORKDIR /app
--> Using cache
--> e7a16ba4836a
Step 3/7 : COPY package.json .
--> Using cache
--> 8237176e2ced
Step 4/7 : RUN npm install
--> Using cache
--> 03c895ee51b2
Step 5/7 : COPY . .
--> 6a4378ab6c75
Step 6/7 : EXPOSE 3000
--> Running in d96681c5f951
--> Removed intermediate container d96681c5f951
--> 5914b7839e46
Step 7/7 : CMD ["node", "server.js"]
--> Running in 79b6718f5d5e
--> Removed intermediate container 79b6718f5d5e
--> 2a4a14e58bb7
Successfully built 2a4a14e58bb7
Successfully tagged nodejs-app:latest
ubuntu@ubuntu:~/nodejs-docker$ docker run -p 3000:3000 nodejs-app
docker: permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Head "http://%2Fvar%2Frun%2Fdocker.sock/ping": dial unix /var/run/docker.sock: connect: permission denied.
See 'docker run --help'.
ubuntu@ubuntu:~/nodejs-docker$ sudo docker run -p 3000:3000 nodejs-app
Server running on http://localhost:3000
```

