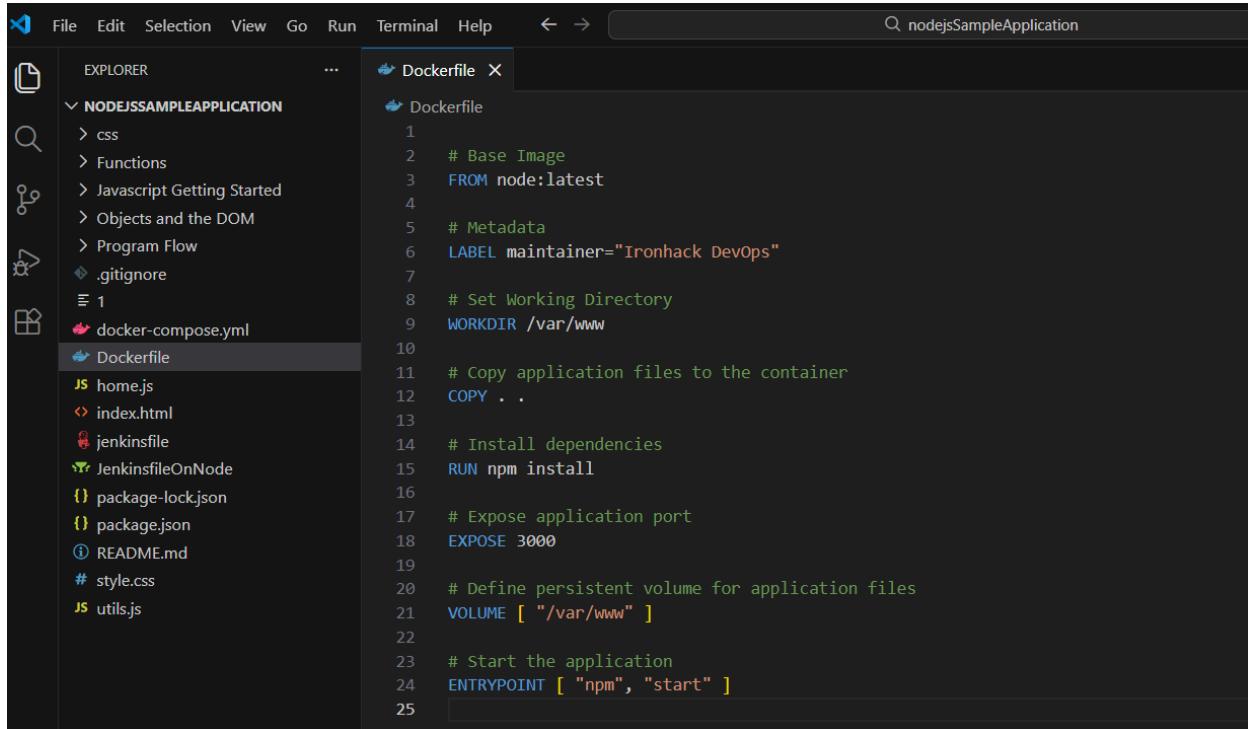


LAB | Build and Deploy a Node.js App Using Docker



The screenshot shows a code editor interface with a dark theme. On the left is the Explorer sidebar, which lists files and folders for a project named "NODEJSAMPLEAPPLICATION". The files listed include .gitignore, docker-compose.yml, Dockerfile (which is currently selected), home.js, index.html, jenkinsfile, JenkinsfileOnNode, package-lock.json, package.json, README.md, style.css, and utils.js. The main panel displays the content of the selected Dockerfile:

```
1 # Base Image
2 FROM node:latest
3
4 # Metadata
5 LABEL maintainer="Ironhack DevOps"
6
7 # Set Working Directory
8 WORKDIR /var/www
9
10 # Copy application files to the container
11 COPY .
12
13 # Install dependencies
14 RUN npm install
15
16 # Expose application port
17 EXPOSE 3000
18
19 # Define persistent volume for application files
20 VOLUME [ "/var/www" ]
21
22 # Start the application
23 ENTRYPOINT [ "npm", "start" ]
24
25
```

```
vijayagagla@DESKTOP-FP4OP26:~/nodejsSampleApplication$ docker build -t sample-node-app .
failed to fetch metadata: fork/exec /usr/local/lib/docker/cli-plugins/docker-buildx: no such file or directory

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 1.423MB
Step 1/8 : FROM node:latest
latest: Pulling from library/node
6bc9f599b3ef: Pulling fs layer
89edcaae7ec4: Pulling fs layer
bbceb0035429: Pulling fs layer
6dc8224e38b6: Pulling fs layer
dddde450c5b0: Pulling fs layer
de9b91b246f8: Pulling fs layer
0c59397af5a7: Pulling fs layer
697fcc91b93d: Pulling fs layer
6dc8224e38b6: Waiting
dddde450c5b0: Waiting
```

```
vijayagagla@DESKTOP-FP4OP26:~/nodejsSampleApplication$ docker image ls
REPOSITORY          TAG      IMAGE ID      CREATED       SIZE
sample-node-app    latest   725336e6a2fc  8 seconds ago  1.19GB
fastapi-app        latest   c3d91ed3d204  3 hours ago   171MB
docker-challenge   v1.1     5ab2631058a2  3 hours ago   124MB
vijayagagla123/python-app  1.0     a9b2dbf242a7  3 hours ago   136MB
node-app           multi    07458c73ae5a  3 hours ago   194MB
<none>              <none>   44fdeafc5cf3  4 hours ago   1.09GB
my-web-app         v1      21e2bc07af57  4 hours ago   140MB
my-first-image     v1      4ff6a15ba88f  4 hours ago   124MB
myrepo/my-image    v1.0    097f9df45115  5 hours ago   8.44MB
node               latest   7987dcb1dfa1  8 hours ago   1.13GB
python              3.11-slim 4b9bdfe9d486  10 hours ago  124MB
postgres            15-alpine bb506a9728d2  6 days ago   274MB
postgres            16-alpine d7ead3a9d3fe  6 days ago   276MB
alpine              latest   a40c03ccb81c  6 days ago   8.44MB
ubuntu              latest   493218ed0f40  3 weeks ago   78.1MB
hello-world         latest   1b44b5a3e06a  5 months ago  10.1kB
wagoodman/dive     latest   bebd1bf49b51  10 months ago 59.2MB
vijayagagla@DESKTOP-FP4OP26:~/nodejsSampleApplication$ docker run -d -p 9090:3000 sample-node-app
74df77db2b05a6068ed6b6d265c685e4647e8a26f6239e5579730660cab4d02b
```

← → ⌂ localhost:9090

Leiter/in - ITIT-Proje... GitHub Flow Git » A successful Git bra... PMP Practice Exam... GitHub - danielboh... Catalina(Tomcat) Cu... Apache Tomcat Har... redirect - Tomcat is

 What can we help you find? SEARCH

CLOTHING FOOTWEAR EQUIPMENT BAGS & TRAVEL TRAIL REVIEWS

Saurabh Dhingra Log Out



Mega Sale
20% OFF
THROUGHOUT THE SEASON



COUPLES RETREAT WEEKDAY
SAVE AN EXTRA 20%

