**How to Deploy Node.js Applications with Docker**

[Docker](https://betterstack.com/tag/docker?utm_content&utm_medium=guides&utm_source=community&utm_term=dockerize-nodejs) [Node.js](https://betterstack.com/tag/node.js?utm_content&utm_medium=guides&utm_source=community&utm_term=dockerize-nodejs)

## Prerequisites

* Docker version 20.10.14, build a224086 (docker -v).
* Node.js v16.14.2.
* npm v8.6.0.

you need to have installed on your computer server.

## Step 1 — clone GitHub repo demo project

git clone https://github.com/betterstack-community/chucknorris

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## Step 2 — Creating a Dockerfile

nano Dockerfile

# Use Node 16 alpine as parent image

FROM node:16-alpine

# Change the working directory on the Docker image to /app

WORKDIR /app

# Copy package.json and package-lock.json to the /app directory

COPY package.json package-lock.json ./

# Install dependencies

RUN npm install

# Copy the rest of project files into this image

COPY . .

# Expose application port

EXPOSE 3000

# Start the application

CMD npm start

## Step 3 — Building the Docker image

docker build . -t chucknorris

docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

chucknorris latest cd4bdd2ae572 7 minutes ago 135MB

## Step 4 — Running your Docker image as a container

docker run -p 3000:3000 chucknorris

docker run -p 8080:3000 chucknorris

then go to aws console and copy public ip and past on your browser and acess.

## Conclusion

n this blog , you learned how to prepare a Docker image for your Node.js application and how to deploy it using Docker containers.

