

# How to Host a Node.js Web Server on Render

Render is a powerful cloud platform that allows developers to easily deploy web applications. In this guide, you'll learn how to host a Node.js web server on Render step by step.

# Prerequisites

Antes de começar, certifique-se de que você tem:

1

## Installed Tools

Node.js and npm installed on your machine

2

## Necessary Accounts

A GitHub account

A Render account – <https://render.com/>

# Create a GitHub Repository

Push your existing Node.js project to GitHub:



```
git init
git add .
git commit -m "Initial commit"
git branch -M main
git remote add origin https://github.com/YOUR-USERNAME/my-website.git
git push -u origin main
```

Replace YOUR-USERNAME with your actual GitHub username.

## Why use GitHub?

GitHub makes version control easy and integrates with hosting services like Render, allowing for automatic deployments whenever you update your code.

# Implementation in Render

## Access your account

Log in to your Render account

## Start a new service

Click "New Web Service"

## Connect to GitHub

Connect your GitHub repository

## Select the repository

Select the my-website-app repository

## Service Settings

Build Command	npm install
Start Command	node index.js

Click on "Create Web Service"

Render will now build and deploy your app. After a few moments, your app will be available at a public URL.

# Conclusion

You've successfully deployed a Node.js server using Render — fast, simple, and free!

This setup is perfect for personal projects, MVPs, and portfolios. Now you can share your live website with anyone in the world.

## Benefits of Render

- Simplified deployment
- Continuous Integration with GitHub
- Free plan for small projects
- Scalability as needed

