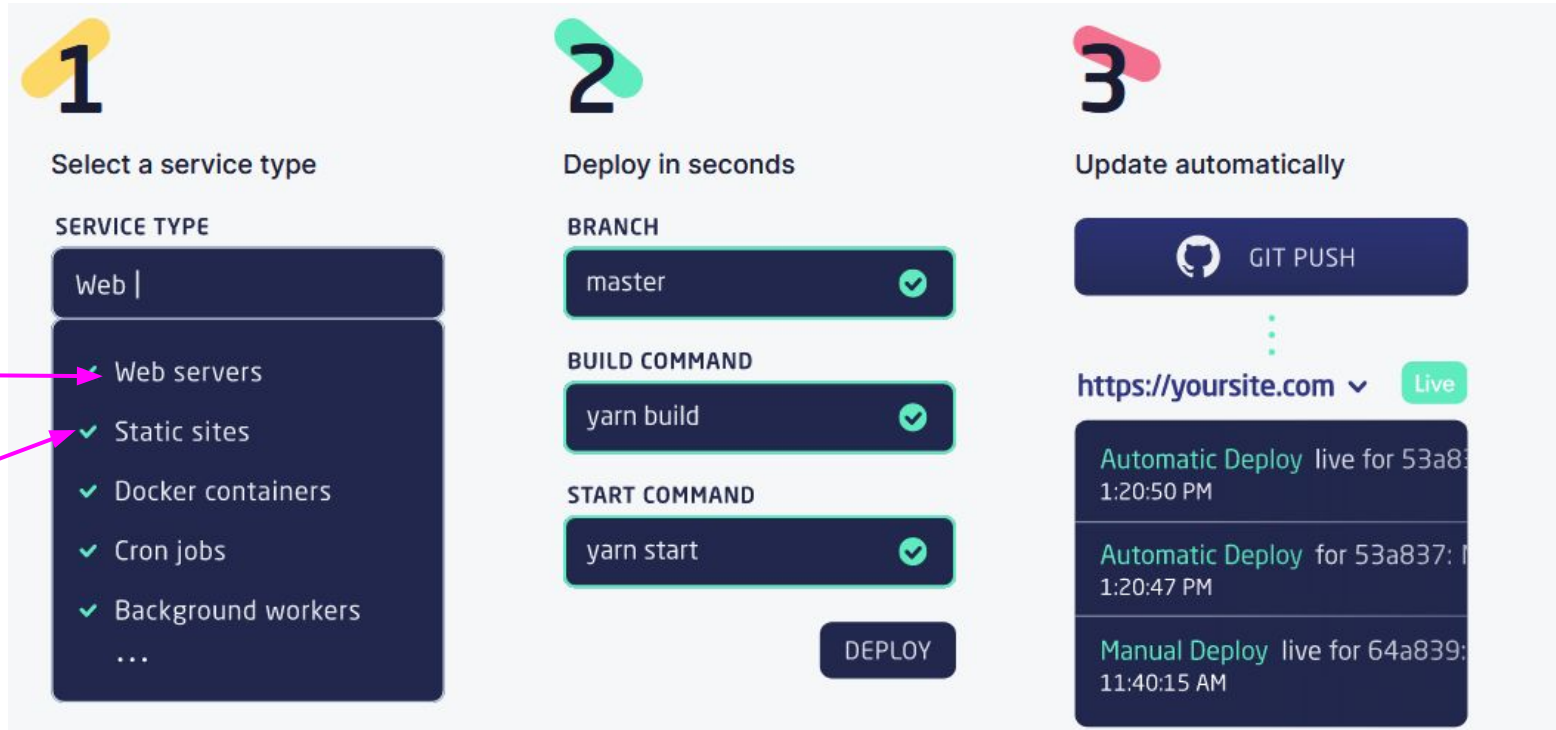


render - cloud application hosting

What is render

Render is cloud application hosting with the following simple flow



Motivation for render

The motivation for me is a free substitute of heroku (as of Nov 28 2022) so junior web developer can deploy for free a full stack application typically react+express (no need to provide a credit card)





It can be used in these use cases

- Portfolio on the cloud
- Apps on cloud with link from CV
- Use for home assignment by companies as part of new job flow

Dashboard

Overview

Q Search services

NAME	STATUS	TYPE	ENVIRONMENT	REGION	▼ LAST DEPLOYED
 render-react-sample	 Deploy succeeded	Static Site	Static	Global	5 minutes ago
 render-express-sample	 Deploy succeeded	Web Service	Node	Frankfurt	35 minutes ago

Deploy steps

- **Register to render**
- **Express**
- **React**

Register to render

- Done once
- Require to connect you github account to render

Deploy node \ express on render 1/x

- Create github repo for express
- Create express app : /api/time and get current time on the server. Make sure you use cors
- Check locally using browser
- Deploy to render
 - Create new web service
 - Connect to a repository - choose the web server repo and click connect
 - Click dashboard - you must log in first
 - Check next slide

Check [here](#)

Deploy node \ express on render 2/x

Choose a project name on render.
render-express-sample
was used in the video

Not clear what should
be done here. May be
relevant for ts. We can
leave it as is

How to start the
application. May use
npm start if this script
is defined

Name
A unique name for your web service.

node-api

Environment
The runtime environment for your web service.

Node

Region
The **region** where your web service runs.

Oregon (US West)

Branch
The repository branch used for your web service.

master

Build Command
This command runs in the root directory of your repository when a new version of your code is pushed, or when you deploy manually. It is typically a script that installs libraries, runs migrations, or compiles resources needed by your app.

\$ yarn

Start Command
This command runs in the root directory of your app and is responsible for starting its processes. It is typically used to start a webserver for your app. It can access environment variables defined by you in Render.

\$ node index.js

Deploy node \ express on render 3/x

- Continue from prev slide
 - Select the free tier
 - Click create web service
 - Might take 3-4 minutes
- Check deployment using browser

Deploy react vite on render 1/x

- Create github repo
- Create react app with vite. This should work on local
- Check local with express
- Need to update the api url for production - `getServerUrl`
- Deploy to render :
 - Click dashboard - you must log in first
 - Click new static site
 - Connect to repository
 - Check next slide
- Check deployment using browser

Deploy react vite on render 2/x

Choose project name.
render-react-sample
was used in the video

Name

A unique name for your static site.

technotes

Branch

The repository branch used for your static site.

main

Use npm run
build in case
you use npm

Build Command

This command runs in the root directory of your repository when a new version of your code is pushed, or when you deploy manually. It is typically a script that installs libraries, runs migrations, or compiles resources needed by your app.

\$ npm run build

Need to change
to **dist** on vite
check [here](#)

Publish directory

The relative path of the directory containing built assets to publish. Examples: ./, ./build, dist and frontend/build.

build

Deploy react vite on render 3/x

- Continue from prev slide
 - Click on the Create static site
 - The build process is taken place (like on vercel) for few minutes until you get :
‘your site is live’
 - Scroll up and see the production url
- Check deployment using browser

Render pricing

Predictable pricing that scales with you.

View [monthly plans](#), [compute pricing](#), and [FAQs](#).

Individual

For hobbyists, students,
and indie hackers.

\$0 per user/month
+ COMPUTE COSTS

GET STARTED

Team

For small teams and
early-stage startups.

\$19 per user/month
+ COMPUTE COSTS

GET STARTED

Organization

For larger teams with
complex needs.

\$29 per user/month
+ COMPUTE COSTS

GET STARTED

Enterprise

For ultimate power and
customization.

Custom Pricing

CONTACT SALES

Render free tier limitation - web service (node\express..)

- Web Services on the free instance type are automatically **spun down after 15 minutes of inactivity**. When a new request for a free service comes in, Render spins it up again so it can process the request.
- **This can cause a response delay of up to 30 seconds for the first request that comes in after a period of inactivity.**
- The free instance type **allows for 750 hours of running time per month** across all free Web Services in your account and **100 GB of egress bandwidth** for each free service. Additional bandwidth is \$30 per 100GB block.

[docs - free web service](#)

Render free tier limitation - static web site (react..)

- Static sites with **under 100GB of egress bandwidth per month are free** on Render. Additional egress bandwidth is available at \$30 per 100GB block.
- [Static sites](#) also come with out-of-the-box support for HTTP/2, automatic TLS certificate issuance and renewal, [DDoS protection](#), [Redirects and Rewrites](#), and [custom HTTP headers](#).

[docs - free-static-sites](#)

references

[Official docs](#)

[3 Alternatives for Heroku's Free Tier - Full Stack & API Hosting](#) - Traversy sep 2022

[Deploy a Full Stack App - React, Node.js, Express, Mongo | MERN Tutorial](#) - Dave grey sep 2022