

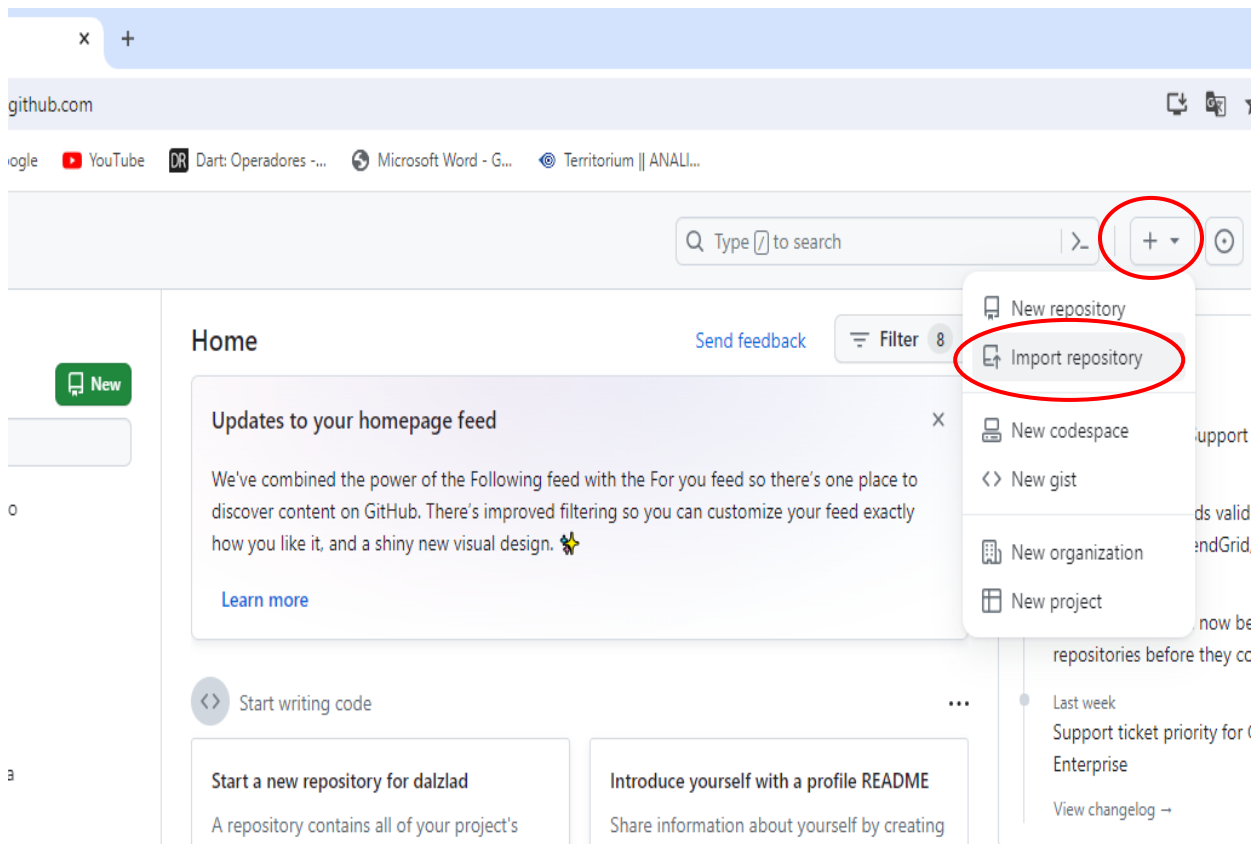
Despliegue de una aplicación Node y Mongo en Render.

Pasos:

En GIT deberá contar con un repositorio que contenga la aplicación node a desplegar.

1. Debe contar con una cuenta en github.com
2. Cargar la aplicación a desplegar en github.com. Para el ejemplo se importará una aplicación de otra cuenta de git a su cuenta.

Para importar un proyecto deberá desde su cuenta buscar la opción Import repository



4. Importar el repositorio. Deberá ingresar el repositorio a importar y asignar el nombre del nuevo repositorio. Para el ejemplo el link del repositorio es: <https://github.com/dalzlad/apibackend.git> y su nombre **APINodeMongo**. Posteriormente dar clic en el botón **Begin import** tal como se muestra en la siguiente imagen.

Import all the files, including revision history, from another version control system.

Required fields are marked with an asterisk (*).

Support for importing Mercurial, Subversion and Team Foundation Version Control (TFVC) repositories will end on April 12, 2024. For more details, see the [changelog](#).

Your old repository details

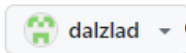
Your old repository's clone URL *

<https://github.com/dalzlada/apibackend.git>

Learn more about the types of [supported VCS](#).

Your new repository details

Owner *



Repository name *

APINodeMongo

✓ APINodeMongo is available.

☒  **Public**

Anyone on the internet can see this repository. You choose who can commit.

☐  **Private**

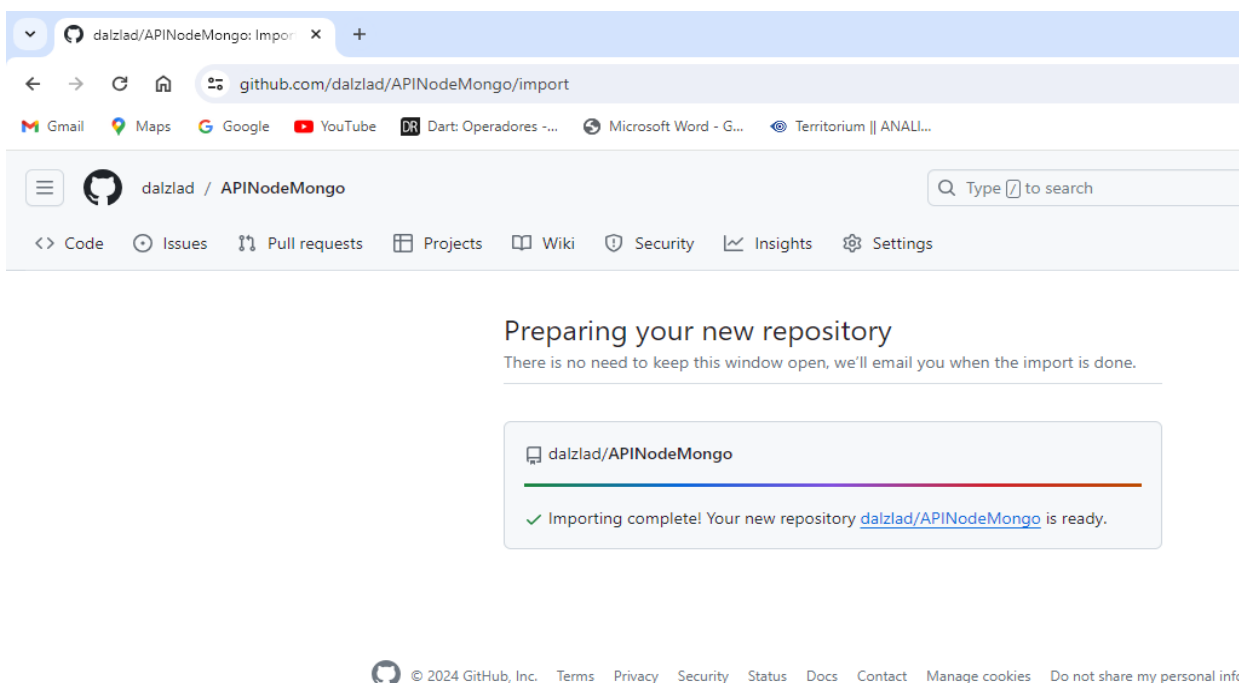
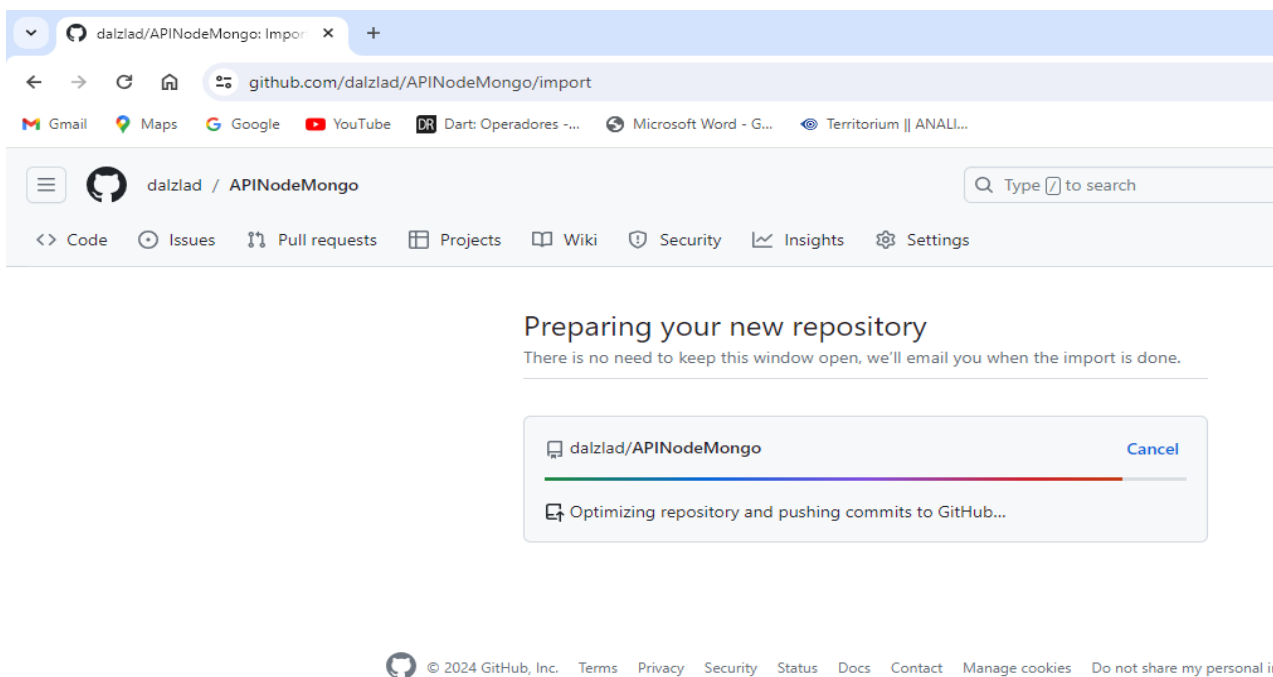
You choose who can see and commit to this repository.

 You are creating a public repository in your personal account.

[Cancel](#)

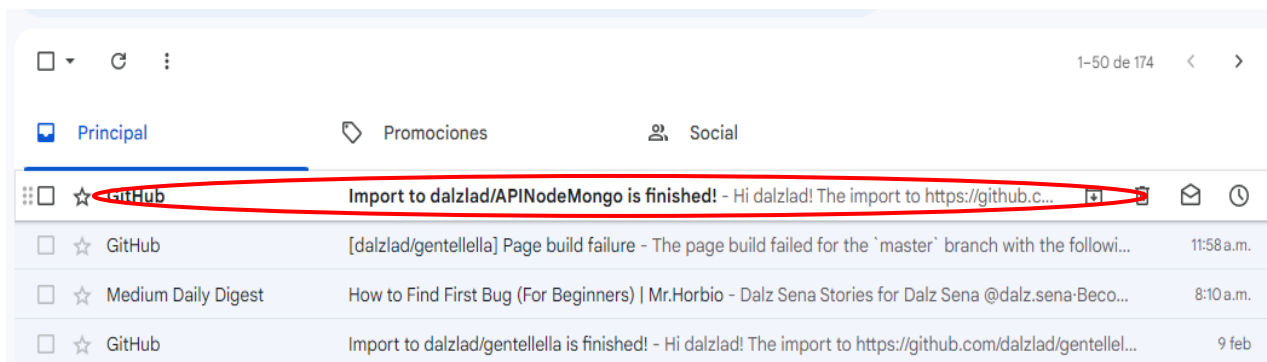
Begin import

Se deberá esperar hasta que finalice la importación.

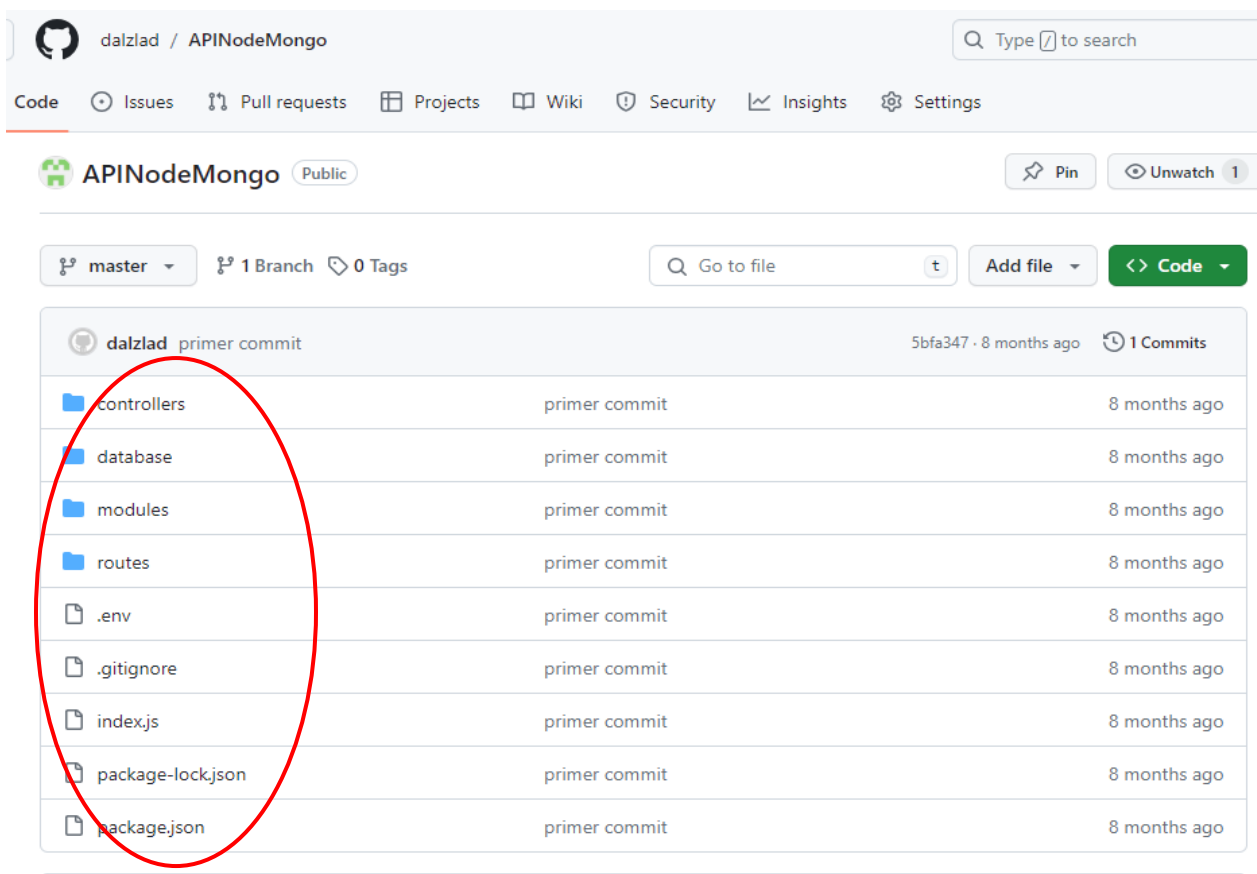


Elaboró: Diego López Zapata
Fecha: 10-02-2024
Medellín

Al finalizar la importación a su cuenta de correo electrónico que tiene asociada a git, deberá recibir un mensaje indicando el resultado de la importación.

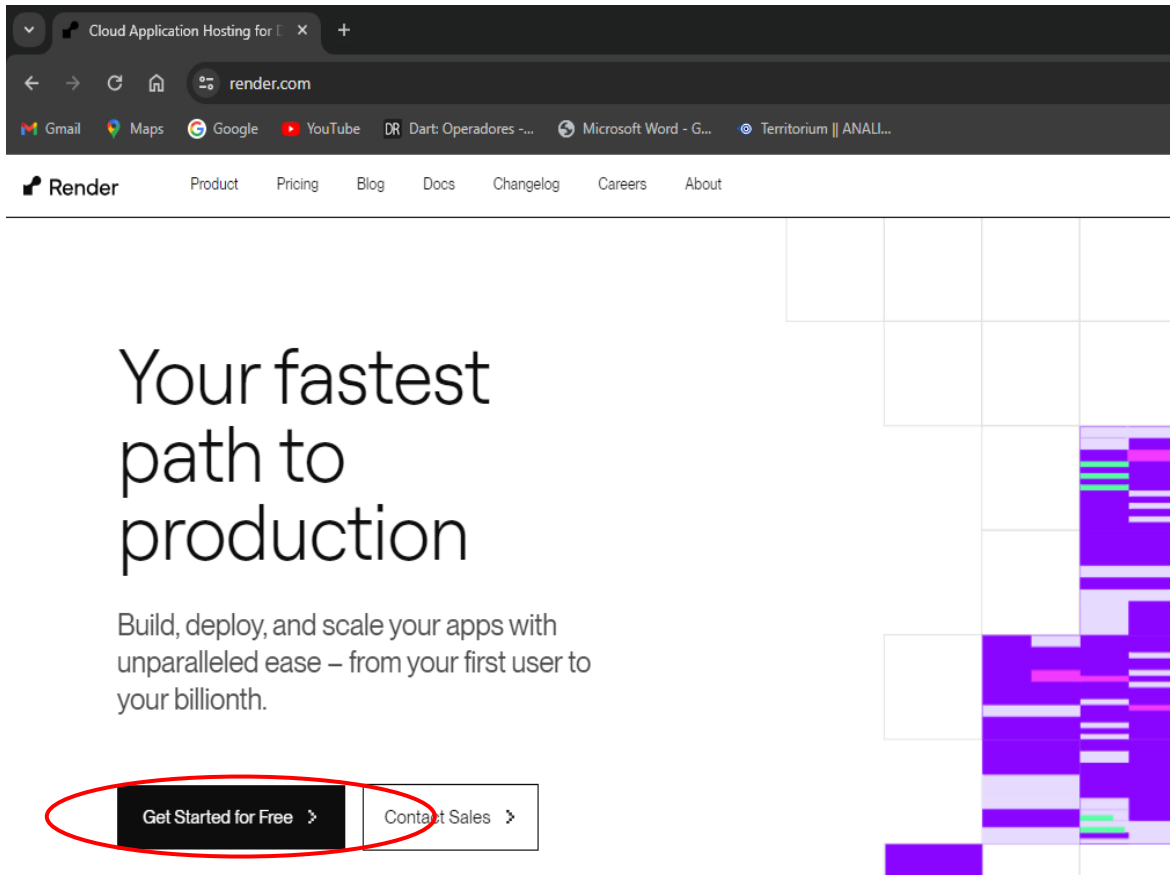


5. Verificar el resultado de la importación en su cuenta de git, deberá aparecer la siguiente estructura:



En render

1. Ingresar al link <https://render.com/> y dar clic en Get Started for free






2. Luego dar clic en GitHub y seguir las instrucciones que allí se le indiquen.

The screenshot shows the 'Render Dashboard' browser window at the URL 'dashboard.render.com/register'. The page features the 'Render' logo and a 'Create an account' section. In this section, there are three buttons for social login: GitHub, GitLab, and Google. The GitHub button is highlighted with a red circle. Below these buttons is the word 'or', followed by input fields for 'Email' (containing 'your@email.com') and 'Password' (containing 'correct horse battery staple'). A black 'Create Account' button is positioned below the password field. To the right of the registration form, there is a testimonial quote from 'ALEX TROVATZKY, CO-FOUNDER AT WATERSHED'.

Render

Create an account

 GitHub  GitLab  Google

or

Email

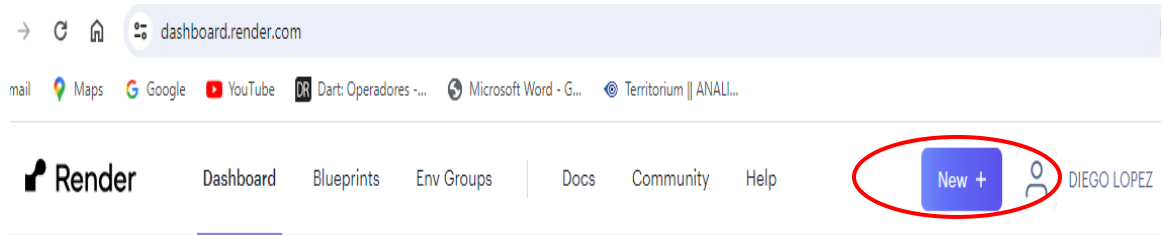
Password

Create Account

"Building on Render has been a superpower for Watershed. It lets us focus on what matters most — delighting our customers, rather than managing our infrastructure. Our engineers can ship features to customers in hours or days instead of weeks or months. Every startup should start on Render."

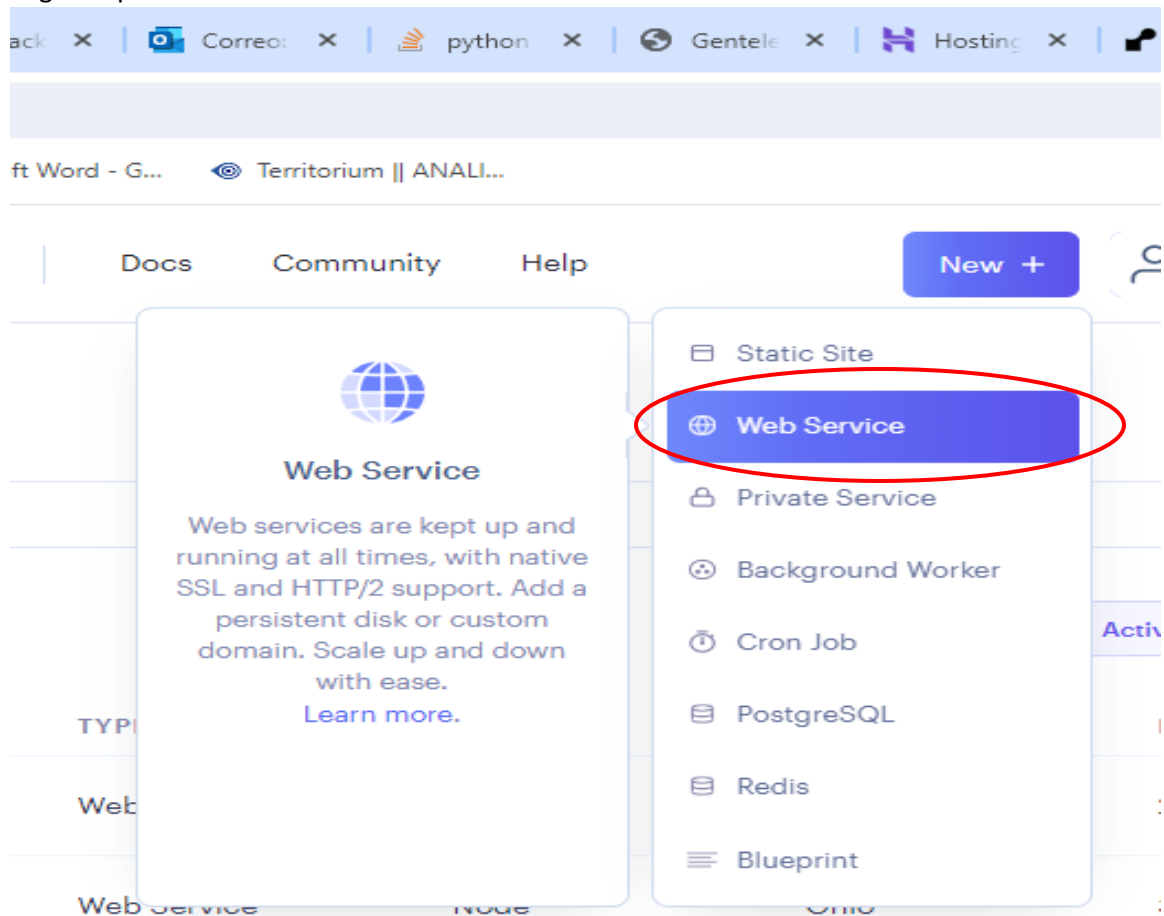
ALEX TROVATZKY, CO-FOUNDER AT WATERSHED

3. Luego de crear la cuenta e ingresar a Render deberá dar clic en el botón +

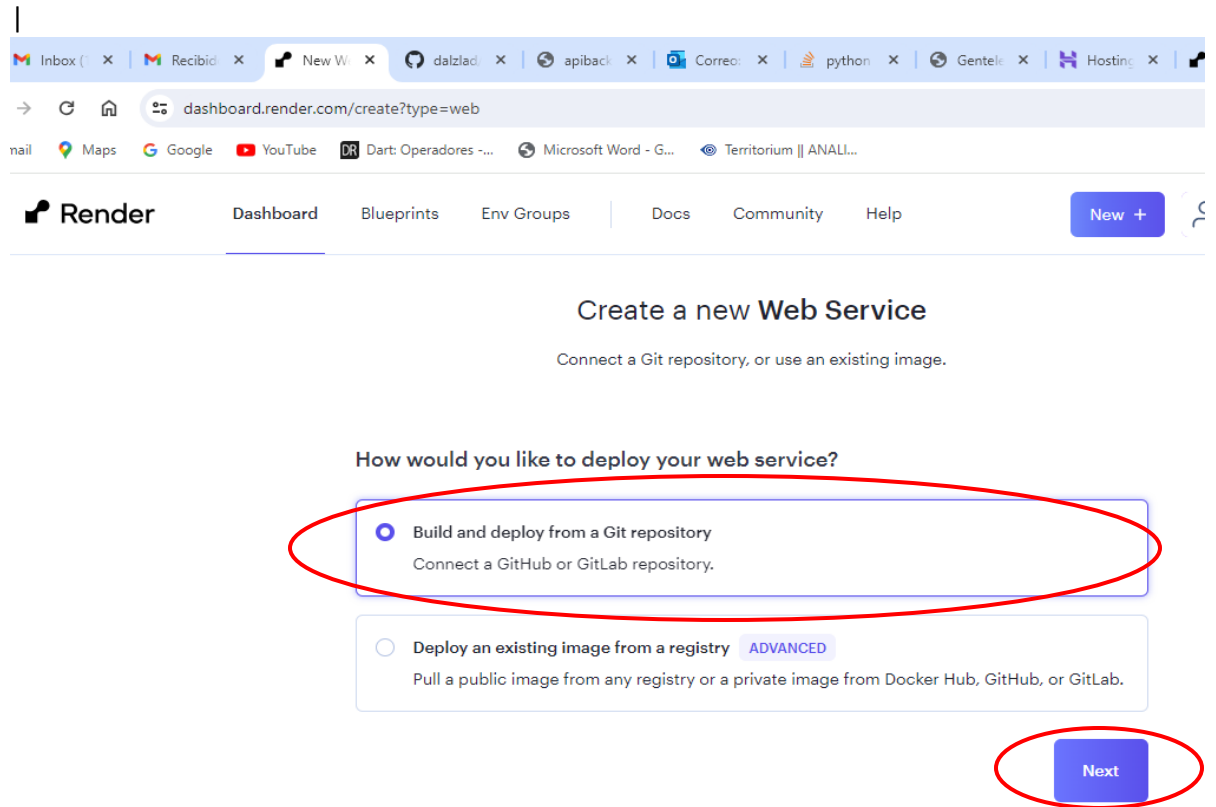


Overview

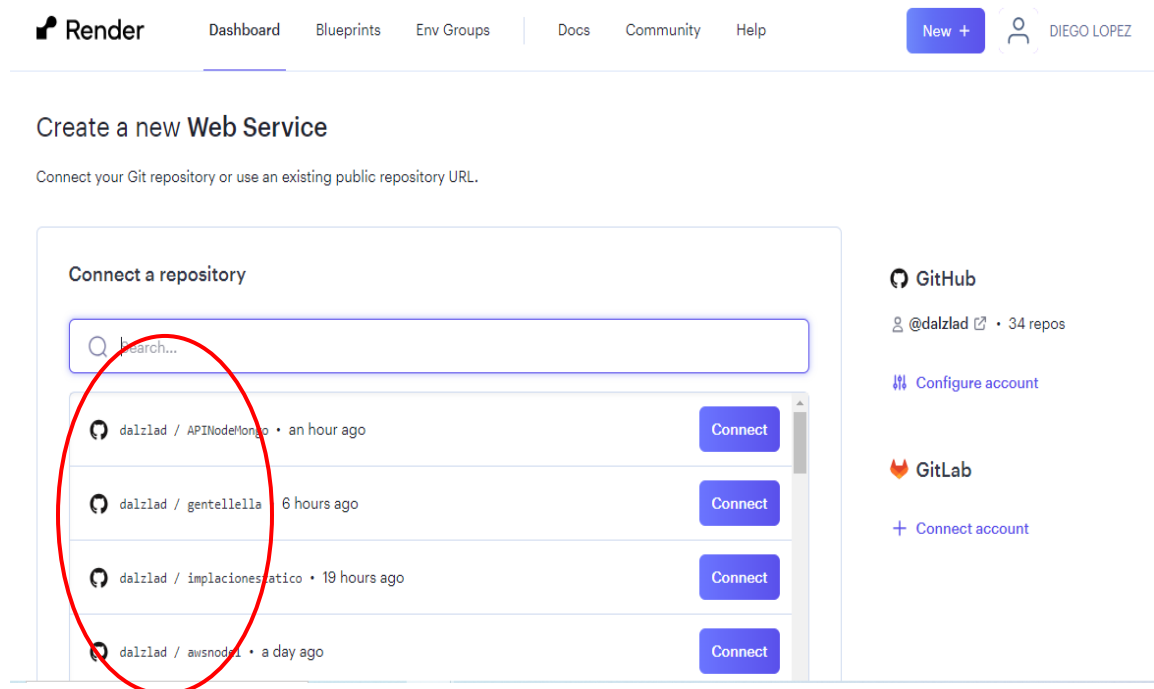
4. Aparece una lista con opciones para escoger las características del sitio a desplegar. Se elige la opción WebService



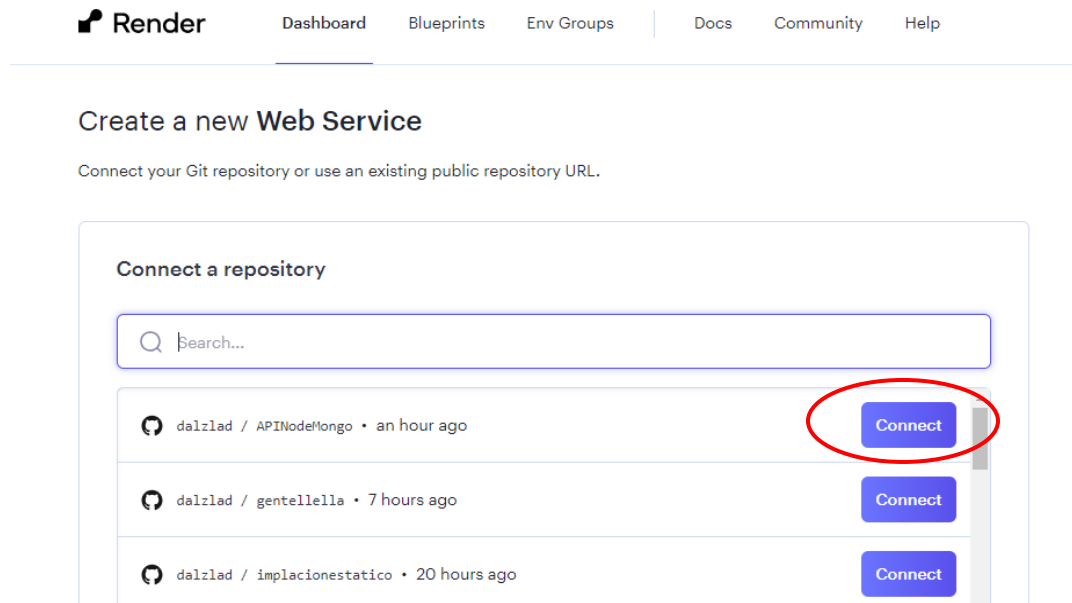
5. Aparece una ventana con una opción seleccionada por defecto la que permitirá vincular el sitio a desplegar con git. Dar clic en el botón next.



6. Luego de dar clic en el botón Next, aparece una ventana con los diferentes repositorios que tiene la cuenta git asociada.



7. Elegir el repositorio a conectar para el ejemplo es APINodeMongo.



8. Luego de elegir el repositorio se abre un formulario en el que se deberán configurar el sitio a desplegar.

You are deploying a web service for [dalzlad/APINodeMongo](#).

Name A unique name for your web service.	<input type="text" value="example-service-name"/> <div>Required</div>
Region The region where your web service runs. Services must be in the same region to communicate privately and you currently have services running in Ohio , Oregon , and Frankfurt .	<div>Ohio (US East) ▼</div>
Branch The repository branch used for your web service.	<div>master ▼</div>
Root Directory <small>Optional</small> Defaults to repository root. When you specify a root directory that is different from your repository root, Render runs all your commands in the specified directory and ignores changes outside the directory.	<input type="text" value="e.g., src"/>
Runtime The runtime for your web service.	<div>Node ▼</div>
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.	<input type="text" value="\$ 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.	<input type="text" value="\$ yarn start"/> <div>Required</div>

9. En el campo Name digitar el nombre que se le asignará al web service. Para el ejemplo será **apinodemongo** y en la región dejarla como aparece. Generalmente aparece la región más cercana. La región corresponde al área geográfica en donde se ubica el servidor.

You are deploying a web service for **dalzlad/APINodeMongo**.

Name

A unique name for your web service.

Region

The [region](#) where your web service runs. Services must be in the same region to communicate privately and you currently have services running in **Ohio**, **Oregon**, and **Frankfurt**.

Branch

The repository branch used for your web service.

En Branch o rama de git se elige la que se desplegará. Para este caso será master.

Root Directory Optional

Defaults to repository root. When you specify a [root directory](#) that is different from your repository root, Render runs all your commands in the [specified directory](#) and ignores changes outside the directory.

Runtime

The runtime for your web service.

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.

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.

En Root Directory se especifica el directorio raíz en el caso de que exista.

El campo RunTime corresponde a la tecnología en la que está desarrollado el sitio. El ejemplo está desarrollado en **Node**.

Elaboró: Diego López Zapata

Fecha: 10-02-2024

Medellín

El Build command se debe digitar **yarn**

En el campo start command se debe digitar el comando **node index.js** este corresponde al archivo que inicia la aplicación.

10. Escoger la opción **For Hobby projects** y luego Dar clic en el botón **Create Web Service**

The screenshot shows the Render dashboard interface. At the top, there's a navigation bar with links to Dashboard, Blueprints, Env Groups, Docs, Community, and Help. A 'New +' button and a user profile icon for 'DIEGO LOPEZ' are also present. Below the navigation bar, the 'Instance Type' section is visible. It features a 'For hobby projects' section with a 'Free' instance type highlighted by a red circle. The 'Free' instance has 512 MB (RAM) and 0.1 CPU, costing \$0 / month. To its right, there's a note about upgrading to enable more features. Below this, the 'For professional use' section lists several paid instance types: Starter (\$7 / month, 512 MB RAM, 0.5 CPU), Standard (\$25 / month, 2 GB RAM, 1 CPU), Pro (\$85 / month, 4 GB RAM, 2 CPU), Pro Plus (\$175 / month, 8 GB RAM, 4 CPU), Pro Max (\$225 / month, 16 GB RAM, 4 CPU), and Pro Ultra (\$450 / month, 32 GB RAM, 8 CPU). Below the instance types, there's an 'Environment Variables' section with a table for adding variables. At the bottom, there's an 'Advanced' dropdown menu and a 'Create Web Service' button, which is also highlighted by a red circle.

Render Dashboard

Instance Type

For hobby projects

Free	512 MB (RAM)	0.1 CPU
\$0 / month		

Upgrade to enable more features

Free instances spin down after periods of inactivity. They do not support SSH access, scaling, one-off jobs, or persistent disks. Select any paid instance type to enable these features.

For professional use

For more power and to get the most out of Render, we recommend using one of our paid instance types. All paid instances support:

- Zero Downtime
- SSH Access
- Scaling
- One-off jobs
- Support for persistent disks

Starter	512 MB (RAM)	0.5 CPU
\$7 / month		

Standard	2 GB (RAM)	1 CPU
\$25 / month		

Pro	4 GB (RAM)	2 CPU
\$85 / month		

Pro Plus	8 GB (RAM)	4 CPU
\$175 / month		

Pro Max	16 GB (RAM)	4 CPU
\$225 / month		

Pro Ultra	32 GB (RAM)	8 CPU
\$450 / month		

Need a custom instance type? We support up to 512 GB RAM and 64 CPUs.

Environment Variables Optional

Set environment-specific config and secrets (such as API keys), then read those values from your code. [Learn more.](#)

NAME_OF_VARIABLE	value

+ Add Environment Variable

Add from .env

Advanced

Create Web Service

Se desplegará una pantalla en la que se irá indicando el estado de la ejecución en la creación del web service

Events

Logs

Disks

Environment

Shell

Previews

Jobs

Metrics

Scaling

Settings



Your free instance will spin down with inactivity, which can delay requests by 50 seconds or more. [Upgrade now.](#)

February 10, 2024 at 9:50 PM

*** Building

Cancel deploy

5bfa347 primer commit

All logs

Search

Live tail

GMT-5



```
Feb 10 09:50:29 PM ==> Cloning from https://github.com/dalzlad/APINodeMongo
Feb 10 09:50:29 PM ==> Checking out commit 5bfa34714e5e93582852378a5259ea4398545f76 in branch master
Feb 10 09:50:32 PM ==> Requesting node version >=14.20.1
Feb 10 09:50:32 PM ==> Using Node version 21.6.1 via /opt/render/project/src/package.json
Feb 10 09:50:32 PM ==> Docs on specifying a Node version: https://render.com/docs/node-version
```

Al final si todo el proceso tuvo éxito se desplegará el mensaje **Your service is live**
Lo cual indica que el servicio ha sido desplegado.

WEB SERVICE

apinodemongo

Node

Free

[Upgrade your instance](#)

Connect

Manual Deploy

dalzlad / APINodeMongo master

<https://apinodemongo-iox5.onrender.com>

Events

Logs

Disks

Environment

Shell

Previews

Jobs

Metrics

Scaling

Settings



Your free instance will spin down with inactivity, which can delay requests by 50 seconds or more. [Upgrade now.](#)

February 10, 2024 at 9:50 PM

Live

5bfa347 primer commit

All logs

Search

Live tail

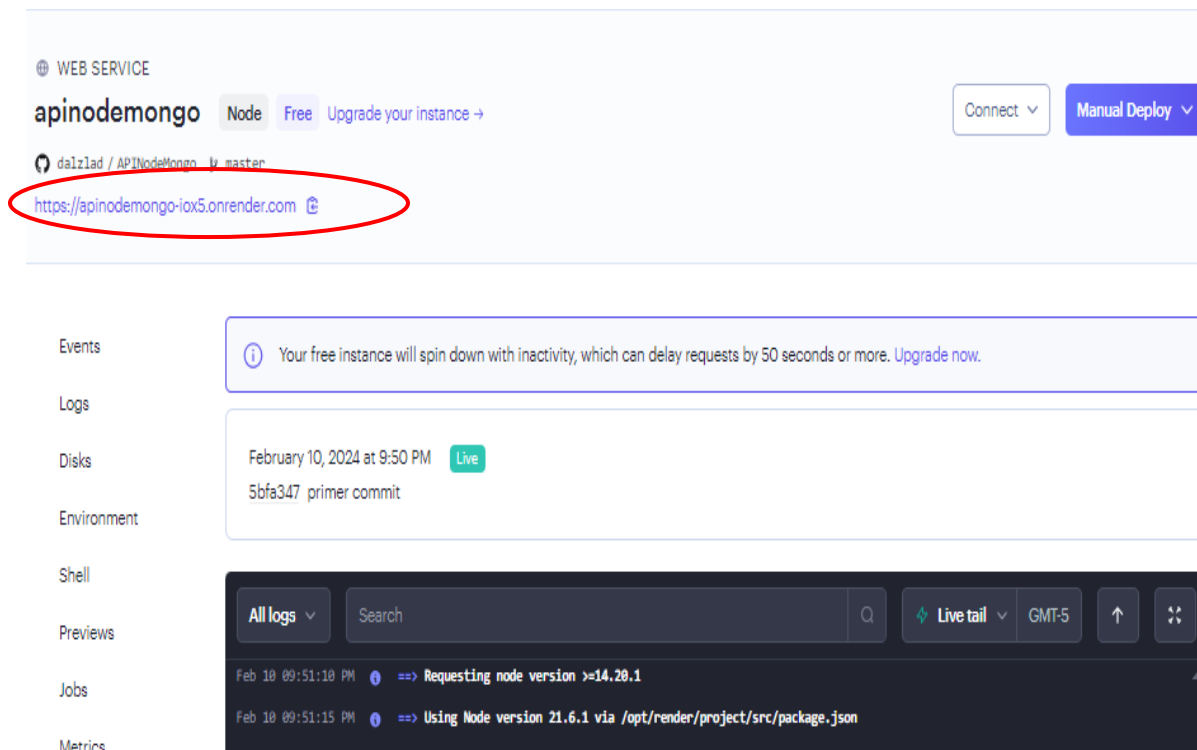
GMT-5



```
Feb 10 09:51:10 PM ==> Requesting node version >=14.20.1
Feb 10 09:51:15 PM ==> Using Node version 21.6.1 via /opt/render/project/src/package.json
Feb 10 09:51:15 PM ==> Docs on specifying a Node version: https://render.com/docs/node-version
Feb 10 09:51:22 PM ==> Running 'node index.js'
Feb 10 09:51:27 PM Datos en Línea
Feb 10 09:51:27 PM (node:67) [DEP0040] DeprecationWarning: The 'punycode' module is deprecated. Please use a userland alternative instead.
Feb 10 09:51:27 PM (Use 'node --trace-deprecation ...' to show where the warning was created)
Feb 10 09:51:27 PM Eschando por el puerto 10000
Feb 10 09:51:32 PM Your service is live 🎉
Feb 10 09:52:34 PM ==> Detected service running on port 10000
Feb 10 09:52:34 PM ==> Docs on specifying a port: https://render.com/docs/web-services#port-detection
```

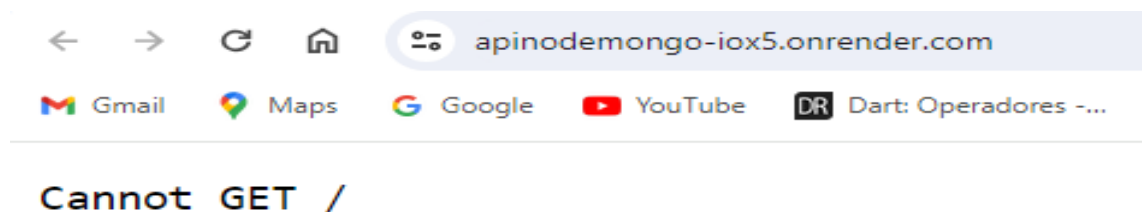
Elaboró: Diego López Zapata
Fecha: 10-02-2024
Medellín

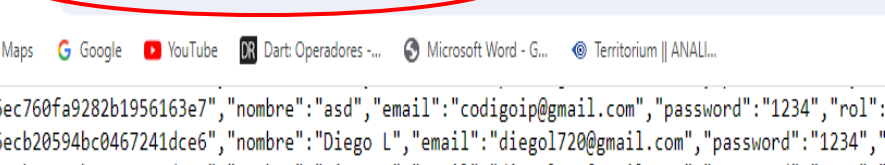
La url del sitio se encuentra en la parte superior de la ventana. Al dar clic se abre una pestaña que carga la api.



Para el ejercicio la url que se generó es: <https://apinodemongo-iox5.onrender.com/>

Al abrirla se desplegará una página en blanco con el mensaje Cannot GET /





The screenshot shows a web browser with the address bar containing 'apinodemongo-iox5.onrender.com/api/usuarios'. The main content area displays a JSON array of user objects. The first object is highlighted in blue.

```
[{"_id": "646ec760fa9282b1956163e7", "nombre": "asd", "email": "codigoip@gmail.com", "password": "1234", "rol": "Admin", "estado": "Activo"}, {"_id": "646ecb20594bc0467241dce6", "nombre": "Diego L", "email": "diegol720@gmail.com", "password": "1234", "rol": "Admin", "estado": "Activo"}, {"_id": "646ecb24594bc0467241dce8", "nombre": "Diego L", "email": "diegol720@gmail.com", "password": "1234", "rol": "Admin", "estado": "Activo"}, {"_id": "646ecb27594bc0467241dcea", "nombre": "Diego L", "email": "diegol720@gmail.com", "password": "1234", "rol": "Admin", "estado": "Activo"}, {"_id": "646ecb44594bc0467241dcec", "nombre": "Diego L", "email": "diegol720@gmail.com", "password": "1234", "rol": "Admin", "estado": "Activo"}, {"_id": "646ecb4d594bc0467241dcee", "nombre": "Diego L", "email": "diegol720@gmail.com", "password": "1234", "rol": "Admin", "estado": "Activo"}, {"_id": "646ecb51594bc0467241dcf0", "nombre": "Diego L", "email": "diegol720@gmail.com", "password": "1234", "rol": "Admin", "estado": "Activo"}, {"_id": "646ecb54594bc0467241dcf2", "nombre": "Diego L", "email": "diegol720@gmail.com", "password": "1234", "rol": "Admin", "estado": "Activo"}, {"_id": "646ecb84594bc0467241dcf4", "nombre": "Diego L", "email": "diegol720@gmail.com", "password": "1234", "rol": "Admin", "estado": "Activo"}, {"_id": "64780c4014175a778b9506d5", "nombre": "carmen", "email": "carmen@gmail.com", "password": "1234", "rol": "Admin", "estado": "Activo"}, {"_id": "64780d5aa98c266c111436aa", "nombre": "carmen", "email": "carmen@gmail.com", "password": "1234", "rol": "Admin", "estado": "Activo"}, {"_id": "64780da0244494eab13c5d3", "nombre": "Diego", "email": "dieg@gmail.com", "password": "1234", "rol": "Admin", "estado": "Activo"}, {"_id": "64780dac32c341e085e5828f", "nombre": "Diego", "email": "dieg@gmail.com", "password": "1234", "rol": "Admin", "estado": "Activo"}, {"_id": "64780df5e86fe16ac75fe4fd", "nombre": "Diego", "email": "dieg@gmail.com", "password": "1234", "rol": "Admin", "estado": "Activo"}, {"_id": "64780e04e86fe16ac75fe4ff", "nombre": "Diego", "email": "dieg@gmail.com", "password": "1234", "rol": "Admin", "estado": "Activo"}]
```