



Title	HOW TO QUICKLY CREATE AND DEPLOY A VUE.JS WEB APPLICATION USING GITHUB?
Description	Intro
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In the previous articles we have discussed the benefits of using the Vue.js front-end framework. In this article, we are going to see how we can quickly create and deploy a web application using Vue. Of course, you can create any kind of web application according to your taste and need and the main focus of this tutorial-based article is not on the application itself but mostly on the configuration, installation of the packages, and deployment of the web application. As a result, we will consider the default written script in the App.vue and main.js as it is – You can replace your own code in them – And will work on using Netlify to host our files. If you are not familiar with Netlify we will introduce it in the first section of this article.

WHAT IS NETLIFY?

As web developers, we worry about how to distribute or serve our applications to customers after completing the main task of creating applications customers can use. To deploy your Vue JS application, you can use a variety of services. These services include GitHub Pages, GitLab Pages, and Bitbucket Pages, as well as Firebase, hosting, Heroku, Digital Ocean, AWS solutions, CloudFront, Now, and Surge, among others. In this article, we will be focusing on Netlify, one of the easiest platforms for setting up your Vue JS application.

Using Netlify for your Vue JS web application is one of the fastest ways to deploy your Vue JS application. It is a serverless platform based on Git. In addition, it allows you to build, collaborate and publish your apps quickly. Moreover, Netlify provides solutions that cover cloud lambda functions and even JamStack architecture. It integrates with the most modern web development tools. There are three reasons to use Netlify to deploy your app. First of all, it is super-fast to set up and provides a 3-step process that is easy for even a novice to follow. The second reason is that it is free. And the third reason is that it will continuously deploy changes as soon as you push them.

STEP BY STEP GUIDE:

Now that we know what we will do and why we will do it, let's get started. The first step is to make sure you have Vue installed on your operating system. If you have not installed it yet, the command below will do that for you.

```
npm install -g @vue/cli
```

Now that we know what we will do and why we will do it, let's get started. The first step is to make sure you have Vue installed on your operating system. If you have not installed it yet, the command below will do that for you.

```
vue --version
```

Now we are ready to create a new project. To do so, you can use the below command:

```
vue create TestVue
```

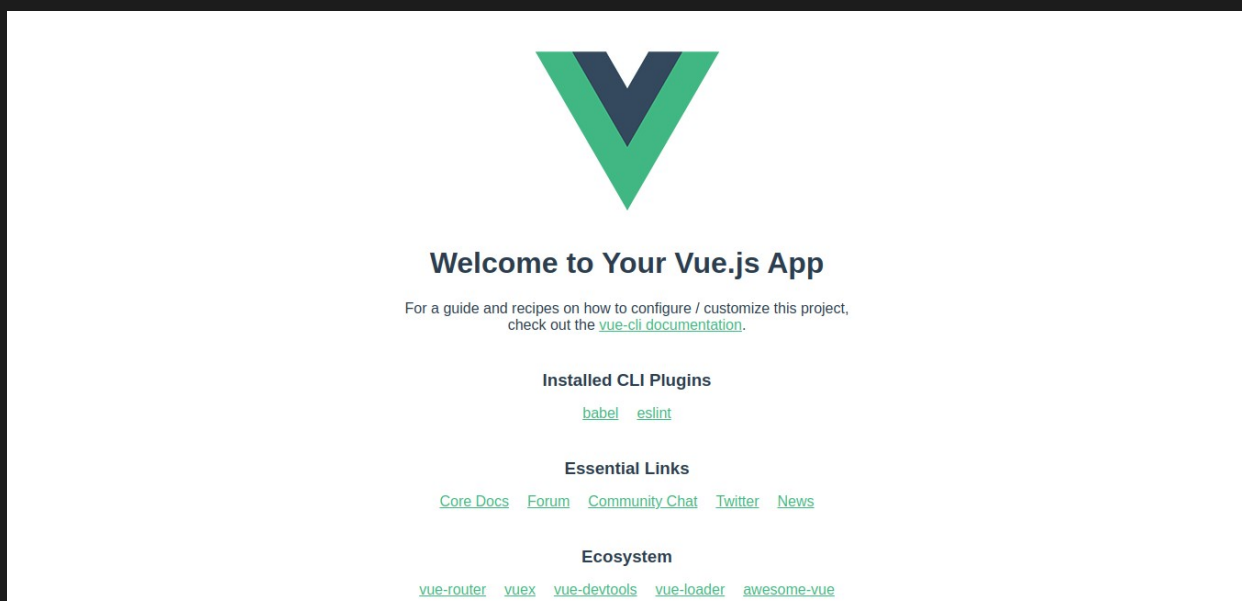
It will then create a scaffold in the file location you selected of a Vue JS application based on your default settings. Now switch to the directory that has been created and run the default script created by Vue JS, using the below command.

```
cd TestVue  
yarn serve
```

Notice that if you are using npm instead of yarn, you can use the following:

```
npm run start
```

After that, if everything goes well, you will be able to see the following result in your localhost address given in the terminal:



Afterward, you can enter your scripts in the main.js and App.vue files which are located in the src folder. Notice that if you are using anything like bootstrap, you need to have a correct version of it installed on your operating system. Meaning that the version needs to be compatible with the Vue JS version. The next thing you should do is to minimize the size of the project files by running the build command:

```
npm run build
```

```
# for yarn use this one:
```

```
yarn build
```

```
DONE Compiled successfully in 8549ms 3:40:30 AM
```

File	Size	Gzipped
dist/js/chunk-vendors.49936b48.js	74.45 KiB	27.79 KiB
dist/js/app.ee7a644d.js	4.11 KiB	1.54 KiB
dist/css/app.3e1fdc5f.css	0.35 KiB	0.24 KiB

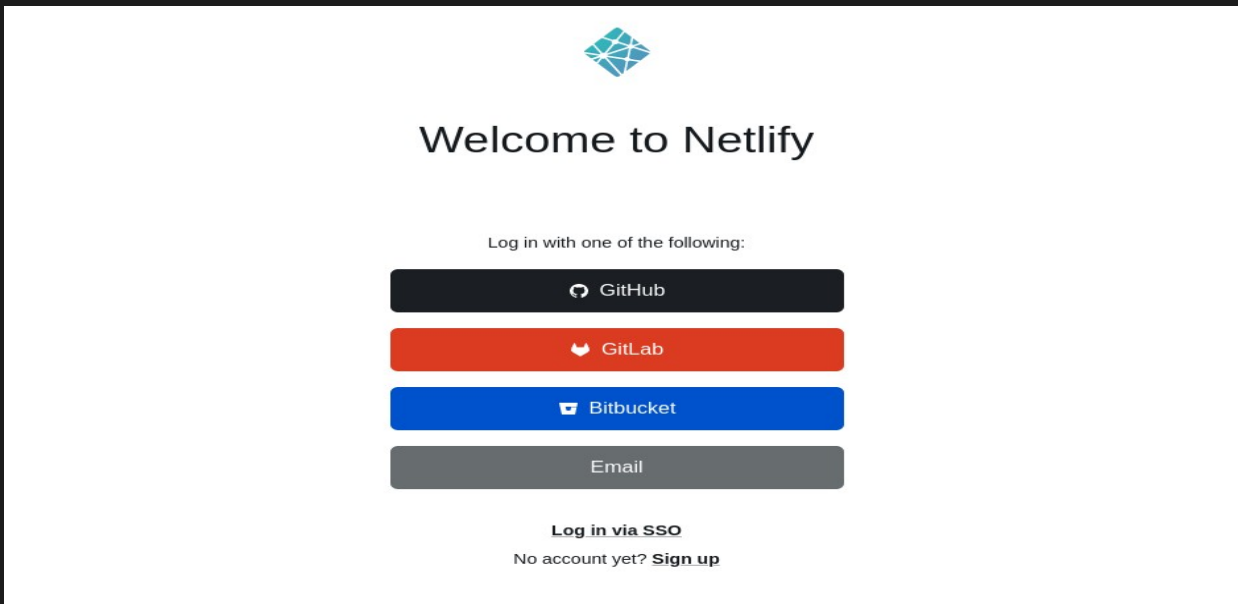
```
Images and other types of assets omitted.  
Build at: 2022-09-01T23:10:30.958Z - Hash: b1d1c76f6f5bb1dd - Time: 8549ms
```

```
DONE Build complete. The dist directory is ready to be deployed.  
INFO Check out deployment instructions at https://cli.vuejs.org/guide/deployment.html
```

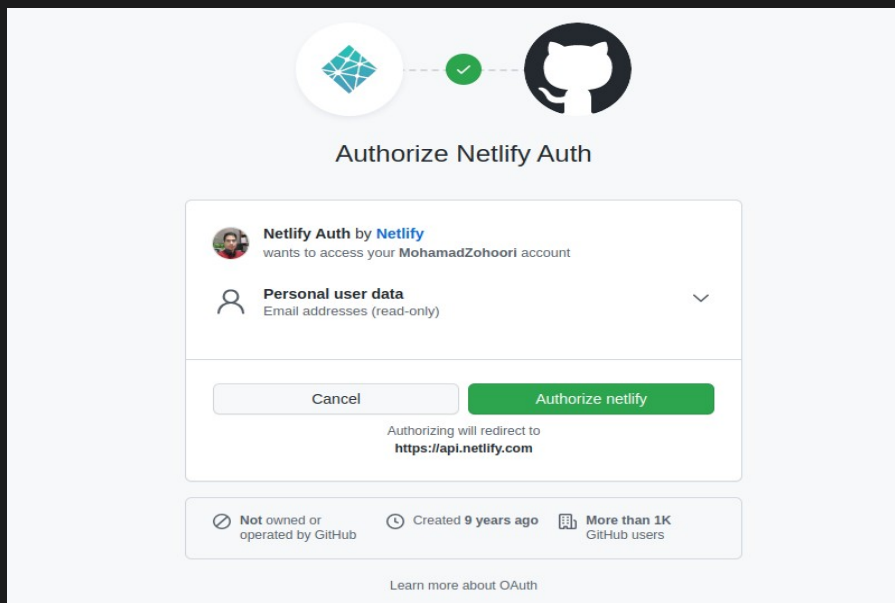
```
Done in 11.82s.
```

DEPLOYMENT ON NETLIFY:

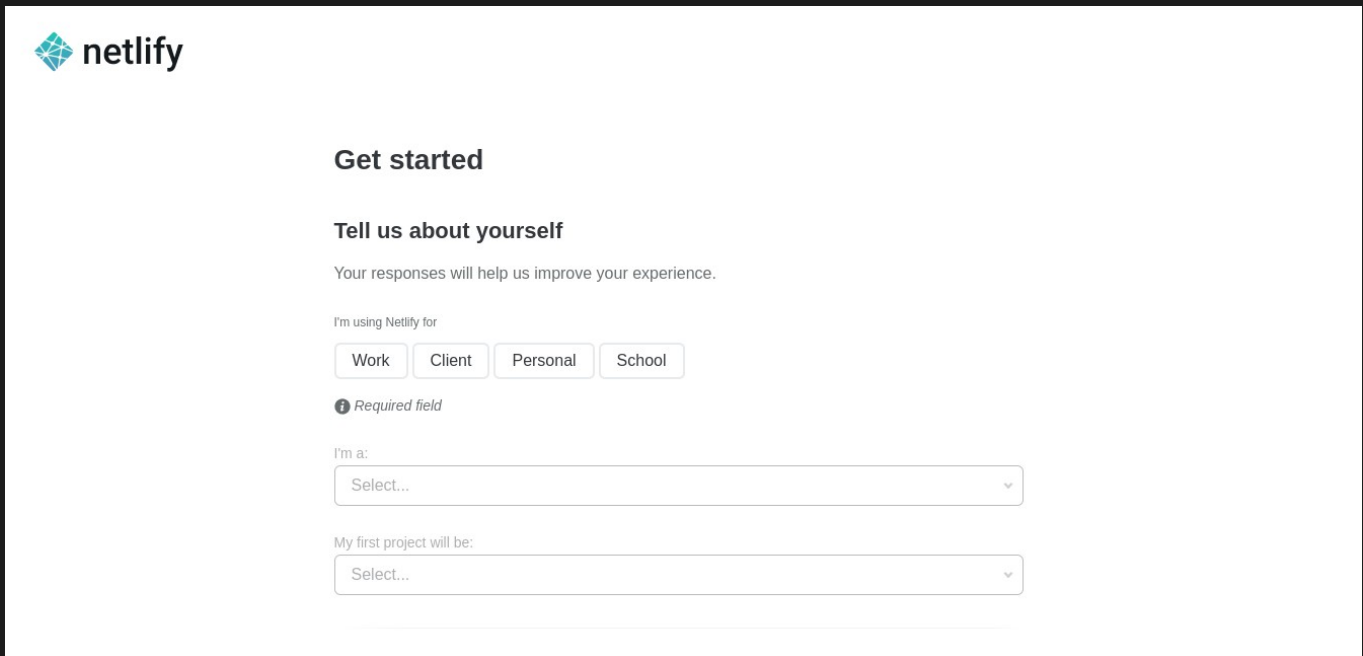
Now, we are ready to deploy our Vue JS application to a host. As we mentioned earlier, we will use Netlify. Before we want to get started with it, we should push our script to Github. Then we will use the repository on Netlify to deploy the App on its web servers. To make this happen follow the steps taken in the photos. First, we should head over to Netlify Signup Link and sign up. You will then see the signup method, in which you should choose Github or Gitlab or anywhere you wish. However, this tutorial goes on with Github:



Next, we should authorize Netlify to connect to our GitHub account:



Afterward, fill in the blanks:



netlify

Get started

Tell us about yourself

Your responses will help us improve your experience.

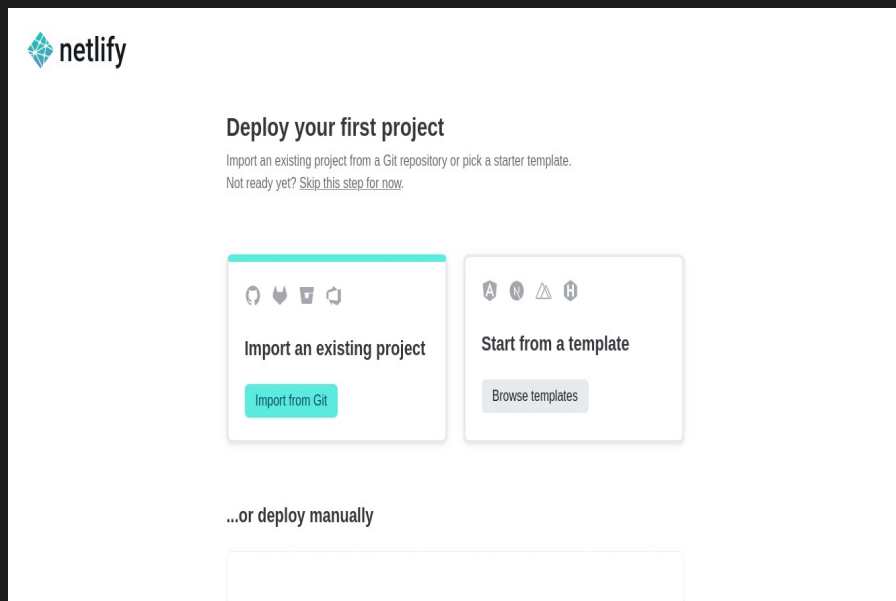
I'm using Netlify for

Required field

I'm a:

My first project will be:

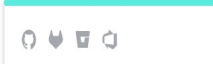
Select import from Git.




netlify

Deploy your first project

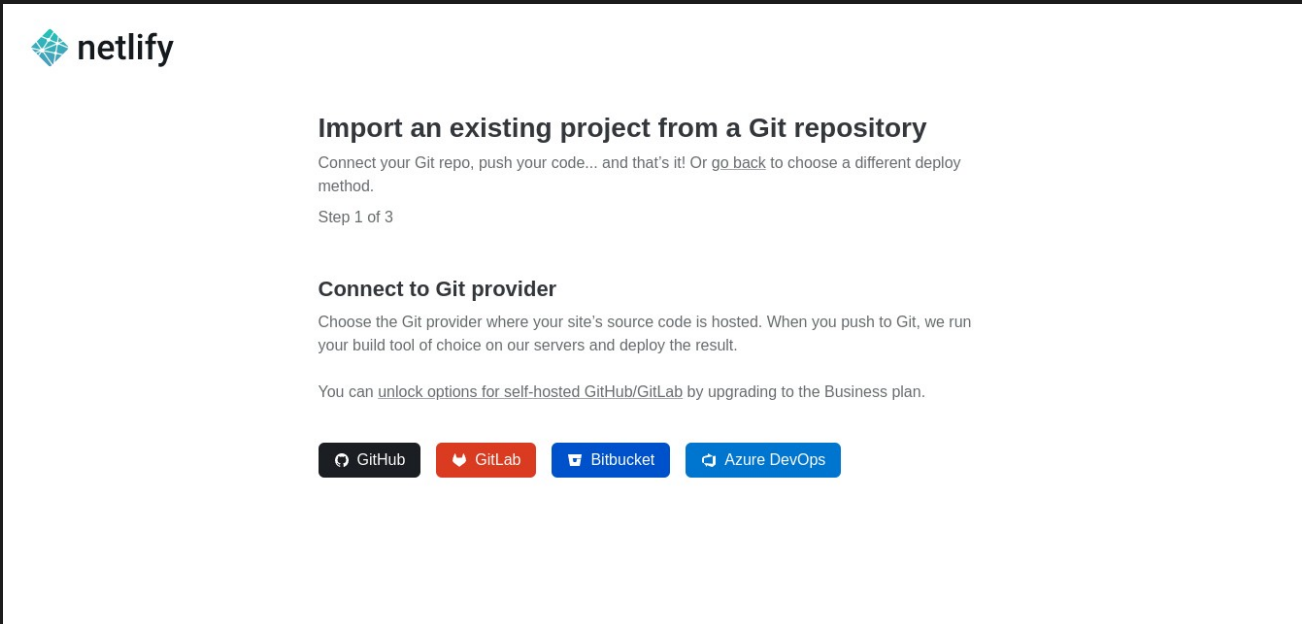
Import an existing project from a Git repository or pick a starter template.
Not ready yet? [Skip this step for now.](#)


Import an existing project


Start from a template

...or deploy manually

choose GitHub.



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Import an existing project from a Git repository

Connect your Git repo, push your code... and that's it! Or [go back](#) to choose a different deploy method.

Step 1 of 3

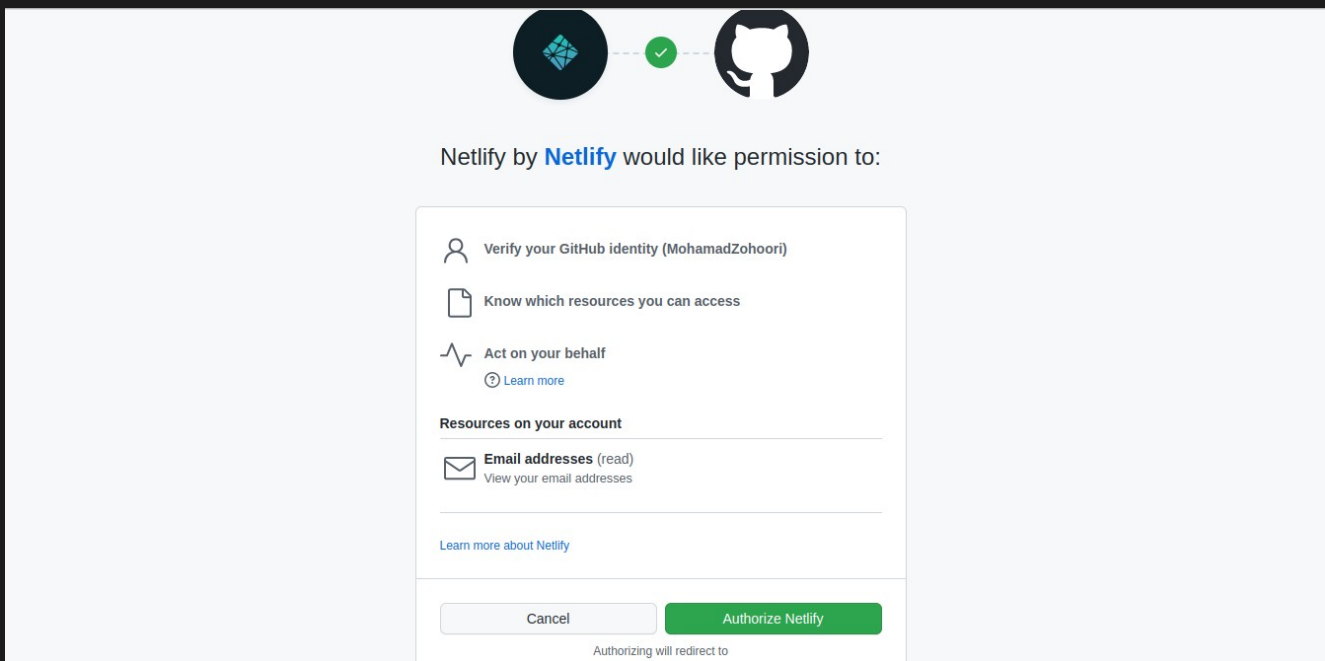
Connect to Git provider

Choose the Git provider where your site's source code is hosted. When you push to Git, we run your build tool of choice on our servers and deploy the result.

You can [unlock options for self-hosted GitHub/GitLab](#) by upgrading to the Business plan.

[GitHub](#) [GitLab](#) [Bitbucket](#) [Azure DevOps](#)

Once more, authorize Netlify to connect to your GitHub account.



Netlify by **Netlify** would like permission to:

- Verify your GitHub identity (MohamadZohoori)
- Know which resources you can access
- Act on your behalf [Learn more](#)

Resources on your account

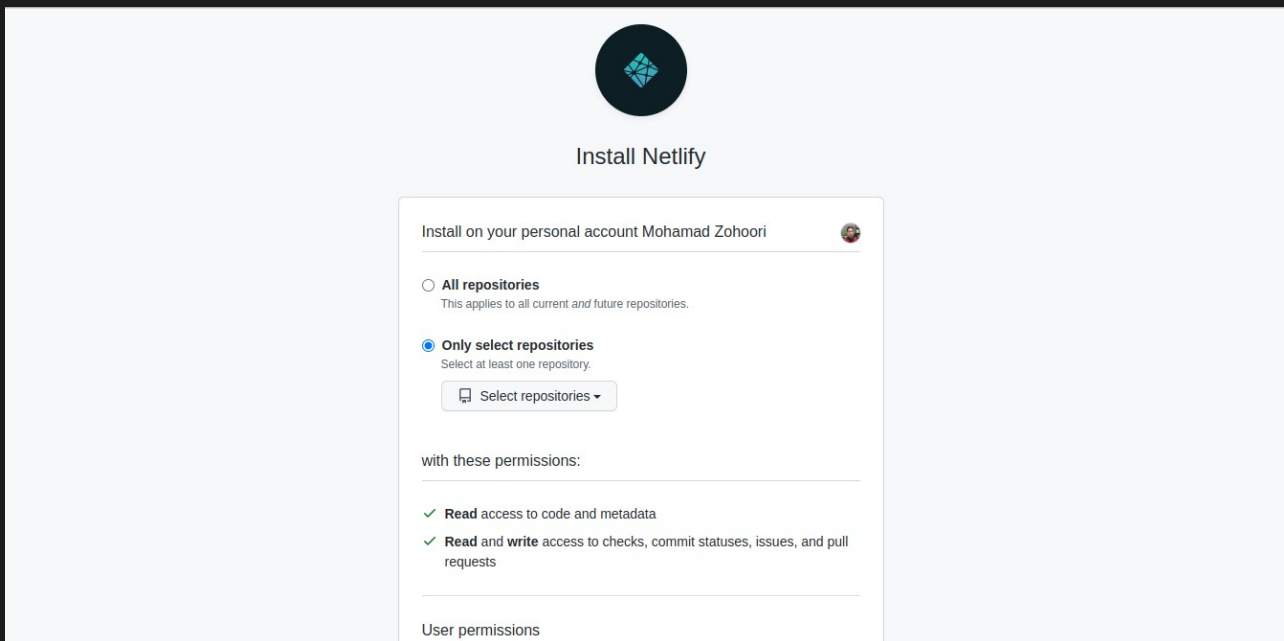
- Email addresses** (read)
View your email addresses

[Learn more about Netlify](#)

[Cancel](#) [Authorize Netlify](#)

Authorizing will redirect to

Based on your plan, select one of the boxes.



Install Netlify

Install on your personal account Mohamad Zohoori

All repositories
This applies to all current and future repositories.

Only select repositories
Select at least one repository.


Select repositories ▾

with these permissions:

- ✓ Read access to code and metadata
- ✓ Read and write access to checks, commit statuses, issues, and pull requests

User permissions

Once more, authorize Netlify to If you have selected all repositories, specify the one that you want to deploy. to your GitHub account.



netlify


Import an existing project from a Git repository

Connect your Git repo, push your code... and that's it! Or [go back](#) to choose a different deploy method.

Step 2 of 3

Pick a repository from GitHub

Choose the repository you want to link to your site on Netlify. When you push to Git, we run your build tool of choice on our servers and deploy the result.

 MohamadZohoori ▾

Search repos



Branch to deploy

master

Basic build settings

If you're using a static site generator or build tool, we'll need these settings to build your site.

[Learn more in the docs ↗](#)

Build command

npm run build

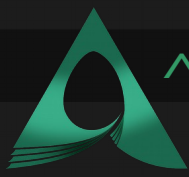
Publish directory

dist

Show advanced

Deploy site

That's it! Now you can have your web application up and running and if you update the repository, the Vue JS app on Netlify will be updated instantaneously.



CONCLUSION

In this tutorial-based article, you learned how to create a web application using Vue.js and also how to deploy it on a web page using Netlify. This way you can easily push your projects on GitHub and deploy them using the Netlify host. One of the highlights of Netlify is its easy 3-step deployment process, as well as its continuous automated updates.



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