



# How to deploy React App to GitHub Pages

#javascript #react #github #webdev



**Ibrahim Ragab**

Jun 23, 2019 • Updated on Apr 6, 2020 • 2 min read

## How to deploy React App to GitHub Pages



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Did you build React app and want to deploy it, following these simple steps you able to deploy and showing the world your amazing app.

I will show how to create and deploy React App using [create-react-app](#) and [GitHub Pages](#)

### Prerequisites :

- [GitHub](#) Account.
- Install [Git](#) in your machine and [Set up Git](#).

*Make sure you have Node.js and Npm installed in your machine.*

- Install [Node.js](#)
- Install [Npm](#)

**Notice** You'll need to have Node 8.10.0 or later on your local machine.

### Procedure :

1- First create a repository named `my-app` using [create-react-app](#).

```
npm init react-app my-app
```

2- We need to install [GitHub Pages](#) package as a dev-dependency.

```
cd my-app  
npm install gh-pages --save-dev
```

3- Add properties to `package.json` file.

The first property we need to add at the top level `homepage` second we will define this as a string and the value will be `"http://{username}.github.io/{repo-name}"` {username} is your GitHub username, and {repo-name} is the name of the GitHub repository you created it will look like this :

```
"homepage": "http://yuribenjamin.github.io/my-app"
```

Second in the existing `scripts` property we need to add `predeploy` and `deploy`.

```
"scripts": {
```



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```

"predeploy": "npm run build",
"deploy": "gh-pages -d build"
}

```

```

{
  "homepage": "http://yuribenjamin.github.io/my-app",
  "name": "my-app",
  "version": "0.1.0",
  "private": true,
  "dependencies": {
    "react": "^16.8.6",
    "react-dom": "^16.8.6",
    "react-scripts": "3.0.1"
  },
  "scripts": {
    "predeploy": "npm run build",
    "deploy": "gh-pages -d build",
    "start": "react-scripts start",
    "build": "react-scripts build",
    "test": "react-scripts test",
    "eject": "react-scripts eject"
  },
  "eslintConfig": {
    "extends": "react-app"
  },
  "browserslist": {
    "production": [
      ">0.2%",
      "not dead",
      "not op_mini all"
    ],
    "development": [
      "last 1 chrome version",
      "last 1 firefox version",
      "last 1 safari version"
    ]
  },
  "devDependencies": {
    "gh-pages": "^2.0.1"
  }
}

```

"package.json" 37L, 788C 37,1 All

4- Create a Github repository and initialize it and add it as a remote in your local git repository.

Now, create a remote GitHub repository with your app name and go back initialize this git init



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## 5- Now deploy it to GitHub Pages.

just run the following command :

```
npm run deploy
```

```
ibrahim@Yuri:~/projects/my-app$ npm run deploy
> my-app@0.1.0 predeploy /home/ibrahim/projects/my-app
> npm run build

> my-app@0.1.0 build /home/ibrahim/projects/my-app
> react-scripts build

Creating an optimized production build...
Compiled successfully.

File sizes after gzip:

 36.44 KB  build/static/js/2.b41502e9.chunk.js
 768 B     build/static/js/runtime~main.6019dd84.js
 601 B     build/static/js/main.41e591c4.chunk.js
 517 B     build/static/css/main.2cce8147.chunk.css

The project was built assuming it is hosted at /my-app/.
You can control this with the homepage field in your package.json.

The build folder is ready to be deployed.
To publish it at http://yuribenjamin.github.io/my-app , run:

  yarn run deploy

Find out more about deployment here:

  https://bit.ly/CRA-deploy

> my-app@0.1.0 deploy /home/ibrahim/projects/my-app
> gh-pages -d build

Published
```

this command will create a branch named `gh-pages` this branch host your app, and homepage property you created in `package.json` file hold your link for a live preview, or you can open the branch setting scroll down to GitHub Pages section you will find this:

✓ Your site is published at <https://yuribenjamin.github.io/my-app/>

[Visit deployed app](#)



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```
git add .  
git commit -m "Your awesome message"  
git push origin master
```

## Recap

We created React App using `create-react-app`  
then we installed `gh-pages` as a dev-dependency  
and in `package.json` file we added some properties `homepage` also in existing `scripts`  
property we added `predeploy` and `deploy`  
and created a remote repository and initialize it  
and run `npm run deploy` to generate a production build and deploy it to GitHub Pages.

if you have any questions, please don't hesitate to ask.  
Always happy to hear from you

## Discussion (202)

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Vicent García • Jun 10 '20 • Edited



Very interesting tutorial Ibrahim!

I have a question: how do you update the production build?

I mean: after deploying the app on GitHub, I realized that I need to change some stuffs. So I have generated new commits. If my app points to the master branch, how can I reflect that new changes on the production build then?

Thanks



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Ibrahim Ragab 🌟 • Jun 10 '20



Make changes commit then deploy again, that's it



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Vicent García • Jun 10 '20



Ok! Thanks!

♡ 3   ⚡ Thread



Ibrahim Ragab 🌟 • Jun 10 '20



If you want to updating the release check  
[create-react-app.dev/docs/updating...](https://create-react-app.dev/docs/updating...)

♡ 3   ⚡ Thread



Vicent García • Jun 10 '20



Perfect!  
Thanks!

♡ 3   💬



Firzatullah Dwiko Ramadhan • Aug 11 '20



so i commit and push to my origin/github master, then i run "npm run deploy" again?

♡ 2   ⚡ Thread



Curious React Web Developer • Dec 12 '20



yes

♡ 2   💬



Curious React Web Developer • Dec 12 '20



just write a command like below -  
npm run deploy

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trishabernice • Jun 15 '20



Hi! Thanks for the tutorial!

I accidentally copy pasted this on my terminal : `git remote add origin git@github.com:Yuribenjamin/my-app.git`

and now i keep getting this:

Cloning into 'node\_modules/gh-pages/.cache/git@github.com!Yuribenjamin!my-app.git'...  
`git@github.com: Permission denied (publickey).`  
`fatal: Could not read from remote repository.`

Please make sure you have the correct access rights  
and the repository exists.

`npm ERR! code ELIFECYCLE`

`npm ERR! errno 1`

`npm ERR! my-app@0.1.0 deploy: gh-pages -d build`

`npm ERR! Exit status 1`

`npm ERR!`

`npm ERR! Failed at the my-app@0.1.0 deploy script.`

`npm ERR! This is probably not a problem with npm. There is likely additional logging output above.`

`npm ERR! A complete log of this run can be found in:`

`npm ERR! /Users/TrishaBernice/.npm/_logs/2020-06-15T16_41_28_880Z-debug.log`

I tried `git remote rm origin` and it still won't work. can you please advice me on what i should do here? I will really appreciate it!



Ibrahim Ragab • Jun 15 '20



No problem

`git remote -v`

Will display origin and the wrong remote url

To delete it

`git remote rm origin`

Then check again



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Will display nothing time to add the right one  
Happy Hacking



trishabernice • Jun 15 '20



Hi Ibrahim, Thanks for the fast reply!

I did this:

```
Trishas-MBP-2:src TrishaBernice$ git remote rm origin
Trishas-MBP-2:src TrishaBernice$ git remote -v
Trishas-MBP-2:src TrishaBernice$ git remote add origin
git@github.com:trishabernice/portfolio.git
Trishas-MBP-2:src TrishaBernice$ npm run deploy
```

and I still got this...

Cloning into 'node\_modules/gh-pages/.cache/git@github.com!Yuribenjamin!my-app.git'...

git@github.com: Permission denied (publickey).

fatal: Could not read from remote repository.

Please make sure you have the correct access rights  
and the repository exists.

```
npm ERR! code ELIFECYCLE
npm ERR! errno 1
npm ERR! my-app@0.1.0 deploy: gh-pages -d build
npm ERR! Exit status 1
npm ERR!
npm ERR! Failed at the my-app@0.1.0 deploy script.
npm ERR! This is probably not a problem with npm. There is likely additional logging
output above.
```

npm ERR! A complete log of this run can be found in:

npm ERR! /Users/TrishaBernice/.npm/\_logs/2020-06-15T17\_01\_16\_913Z-debug.log

Is there anything else I can try to fix the issue?







Ibrahim Ragab • Jun 15 '20



Use http or ssh

♡ 2 ⚡ Thread



trishabernice • Jun 15 '20



Earlier I did this:

Trishas-MBP-2:src TrishaBernice\$ git remote add origin

[github.com/trishabernice/portfolio...](https://github.com/trishabernice/portfolio...)

and i did git remote rm origin and then added the one for ssh and I still got the same error.

♡ 2 ⚡ Thread



trishabernice • Jun 15 '20



Do you have any suggestions for what I can do? I'll really appreciate it!

♡ 3 ⚡ Thread



mejimaru • Jun 23 '20 • Edited



1. go to github.com and create Repositories => your-app
2. create your personal access token [github.com/settings/tokens](https://github.com/settings/tokens)
3. git remote set-url origin [username:yourtoken@github.com/user...](https://username:yourtoken@github.com/user...)
4. npm run deploy

or

1. yarn add gh-pages
2. yarn deploy

♡ 3 ⚡ Thread



Sherazzie • Jul 7 '20



mejimaru's solution worked if anyone ran into the error that @trishabernice faced

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Lathryx • Feb 16



In response to [@trishabernice](#) 's problem with `node_modules/.cache/gh-pages` , a fix with this for me was to simply remove/delete `node_modules/.cache/gh-pages` , then execute `npm run deploy` once more.

This issue I'm referring to (and its answer) can be found on StackOverflow here: [stackoverflow.com/questions/639645...](https://stackoverflow.com/questions/639645...)

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Jesús Sánchez • Aug 11 '20 • Edited



I'd the same problem and then read a lot of blogs/articles I find the solution. I'd changed the git in my `PATH` in this question you can find the [solution](#) then open the a new terminal and run the command `npm run deploy` I hope this help you.

Regards.

 1 

Idong Essien • May 17 '20



Hello ! This was a big help ! However, at step 5, I received this error:

```
"Cloning into 'node_modules/gh-
pages/.cache/git@github.com:idongessien:idngessnio.git'...
Warning: Permanently added the RSA host key for IP address '140.82.114.4' to the list of
known hosts.
git@github.com: Permission denied (publickey).
fatal: Could not read from remote repository.
```

Please make sure you have the correct access rights  
and the repository exists.

```
npm ERR! code ELIFECYCLE
npm ERR! Error: 1
```

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npm ERR! Exit status 1

npm ERR!

npm ERR! Failed at the [idngessnio@0.1.0](#) deploy script.

npm ERR! This is probably not a problem with npm. There is likely additional logging output above.

npm ERR! A complete log of this run can be found in:

npm ERR! /Users/idongessien/.npm/\_logs/2020-05-17T18\_23\_28\_805Z-debug.log"

♡ 5    💬



Kokil Gupta • Jan 12



Hey I'm getting the same error. Did you resolve it?

♡ 1    💬



Ibrahim Ragab 🇸🇩 • May 17 '20



Setup ssh key bro

♡ 1    💬



Idong Essien • May 17 '20



Forgive me but how do I do that ? I am a newbie here

♡ 1    ↩ Thread



Ibrahim Ragab 🇸🇩 • May 17 '20



Check this [help.github.com/en/enterprise/2.15...](https://help.github.com/en/enterprise/2.15...)

♡ 3    💬



DigitalEmma • Aug 16 '19



found this post useful, thank you...I have a question, after i have pushed my react app to

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plus this is my first project in react.  
Thank you

♡ 5    💬



Piruthuvi • Apr 25 '20



I got this same problem in the beginning. If you follow this tutorial correctly, then try this one.

Your home page route should be like this

```
<Route exact path="/your github repo name">
```

instead for

and in your rendered component change the

```
<Link to="/your github repo name">
```

instead for



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```
<Link to="/">
```

And another important point you should consider. your github repo name must be valid name for example dots or space should not be in your repo name because that things conflict with URL.

♥ 5    💬



Learn-Deepak • Aug 2 '20



Thanks a lot @Piruthuvi.

♥ 3    💬



Rajat Sawarkar • Oct 5 '20



this should be mentioned in the create-react-app docs, was so frustrated because of this simple code change, thanks alot mate @Piruthuvi

♥ 1    💬



Ibrahim Ragab 🌟 • Aug 16 '19



Thanks, double check your process, if the same error occurred please share with me your github repo and I will help immediately

♥ 3    💬



Zac Taylor • Oct 6 '19



Hey Ibrahim, my app won't deploy. I went over your instruction twice but am still having issues. Would you mind taking a look at my repo, it's [github.com/ZacASTaylor/zacastaylor...](https://github.com/ZacASTaylor/zacastaylor...). Thanks!

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Ibrahim Ragab • Oct 6 '19



Hello Zac

you did well but you need to make some changes to make your project run online kindly follow this process carefully:

1 - you need to change repo name because of dots in repo name conflict with URL, zacistaylor it's good enough and works with me.

2- in package.json change homepage with new value should be "[zacistaylor.github.io/zacistaylor](https://zacistaylor.github.io/zacistaylor)"

2.1- change predeploy to the new value "npm run build", yarn is fine but it's not tested.

3- in App.js change line 25 to be <Route exact path="/zacistaylor"

4- in component => layout => Header.js line 37 to be <Link to="/zacistaylor"

download the project and change the repo name, after that remove the old connection you can check `git remote -v` you will see this connected with old repo remove connection by `git remote rm` this command will take one parameter the full command will be `git remote rm origin`.

if you check again `git remote -v` will display nothing to your terminal after that do the change above and make a commit with new changes then push and run `npm run deploy`.

happy to hear from you Zac, kindly update me if this process success or fail



Zac Taylor • Oct 6 '19



Thanks so much for you help Ibrahim, but the issue was that I needed slightly different instructions because I am trying to have my React app hosted on my GitHub user page and not a project page. I followed the instructions here: [dev.to/javascrpterika/deploy-a-re...](https://dev.to/javascrpterika/deploy-a-re...)

Thanks again!





Comment deleted



Isaac Pak • Apr 6 '20



video is private...



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Katerina Pidan • Mar 18 '20



Hello, Ibrahim.

I have such problem:

fatal: A branch named 'gh-pages' already exists.

npm ERR! code ELIFECYCLE

npm ERR! errno 1

npm ERR! [movie@0.1.0](#) deploy: gh-pages -d build

npm ERR! Exit status 1

npm ERR!

npm ERR! Failed at the [movie@0.1.0](#) deploy script.

npm ERR! This is probably not a problem with npm. There is likely additional logging output above.

Can you help me? Here is my repo [github.com/pitysek16/Movies-React-app](https://github.com/pitysek16/Movies-React-app)

2



Ibrahim Ragab 🌟 • Mar 18 '20



hii katerina check last commit in this repo

[github.com/Yuribenjamin/Movies-Rea...](https://github.com/Yuribenjamin/Movies-Rea...)

and already your app running

[yuribenjamin.github.io/Movies-Reac...](https://yuribenjamin.github.io/Movies-Reac...)

if you fix this tell me to delete repo above.



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Katerina Pidan • Mar 18 '20



Thank you! It is work

♡ 2    💬



Bukti Siregar • Oct 8 '20



hi sir, i am experiencing the same error. can you please show me how to fix it?  
thank you in advance

♡ 2    💬



solicks • May 24 '20



Please what did you do to resolve it. I'm having the same issue.

♡ 1    ⚡ Thread



Simin Maleki • May 30 '20



when you receive error " A branch named 'gh-pages' already exists.", you have to delete the .config sub-folder in gh-pages folder in node\_module.

♡ 1    💬



Kimberly Bone • Jan 14 '20



How would I add changes (such as changing the header, font, color, etc) to the page after deploying? I committed and pushed and it successfully shows on my github repo but when I go to my live link none of my changes show.

My repo: [github.com/kimberlybone/my\\_portfol...](https://github.com/kimberlybone/my_portfolio)

My live site: [kimberlybone.github.io/my\\_portfoli...](https://kimberlybone.github.io/my_portfolio)

♡ 2    💬



Ibrahim Raaab 🌟 • Jan 14 '20



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did you try to delete GH-page branch && build directory, and deploying the app again? if not try this

♥ 1    💬



Ligita Montvilaite • Apr 24 '20

...

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Hey - does this mean, everytime you update something on the page, we need to Delete Gh-page branch && delete build directory folder, and basically deploy again?

Is there no automatic update happening? (i.e. like, when deployed on netlify or smhtg.) ? Thanks!

♥ 2    ⚡ Thread



Ibrahim Ragab 🌟 • Apr 27 '20

...

to update run `npm run deploy` after each update

♥ 1    ⚡ Thread



Omer • Jul 31 '20

...

as you said committing and deploying works fine but you have to wait for the change to take an effect on the live link ( and sometimes the repo itself)

♥ 1    💬



Leah • Apr 16 '20

...

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Hi. I am having issues deploying my React app to github pages. Could you take a look?

[github.com/LKian/ToDoList](https://github.com/LKian/ToDoList)

I added homepage to package.json, along with  
"predeploy": "npm run build",  
"deploy": "gh-pages -d build"

I added the gh-pages as a dev dependency

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...

[todolist@0.1.0](#) build /mnt/c/Users/Admin/Desktop/Code/todolist  
react-scripts build

internal/modules/cjs/loader.js:638  
throw err;  
^

Error: Cannot find module 'react-dev-utils/crossSpawn'  
at Function.Module.\_resolveFilename (internal/modules/cjs/loader.js:636:15)  
at Function.Module.\_load (internal/modules/cjs/loader.js:562:25)

·  
·  
·  
·

Thank you!

♡ 2    💬



Ibrahim Ragab 🌟 • Apr 16 '20 • Edited

...

×

hello Leah  
give it try again I cloned your repo and walked through my tutorial,  
and everything working fine with me check ...  
[dev-to-uploads.s3.amazonaws.com/i/...](#)  
[dev-to-uploads.s3.amazonaws.com/i/...](#)  
[dev-to-uploads.s3.amazonaws.com/i/...](#)

♡ 1    💬



Leah • Apr 16 '20 • Edited

...

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Oh thanks for the screenshots. The only difference I noticed was that for some reason even though I installed "gh-pages" yesterday, it wasn't there. I re-installed and gh-pages now appears in package.json.

I then tried to npm run deploy and am still getting an error. Any other thoughts as to what is wrong?



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...

```
./src/index.js
```

Error: [BABEL] /mnt/c/Users/Admin/Desktop/Code/todolist/src/index.js: Cannot find module '@babel/core' (While processing: "/mnt/c/Users/Admin/Desktop/Code/todolist/node\_modules/babel-preset-react-app/index.js")

I read that the gh-pages is supposed to create a new branch but that is not happening. I'm going to try to delete the repo and start from scratch. After I make a new repo, should I still be running the following setup commands?

```
git init
```

```
git add README.md
```

```
git commit -m "first commit"
```

```
git remote add origin git@github.com:LKian/ToDoList.git
```

```
git push -u origin master
```

and THEN running npm run deploy? Still getting an error

Update: I deleted node\_modules and package-lock.json and npm installed again. And it says published!!!!!!!!!! Still not showing up on the live page but I know sometimes it takes a while. Will keep you updated :-)

[lkian.github.io/ToDoList/index.html](https://lkian.github.io/ToDoList/index.html)

Got it. Apparently you have to add "/index.html" to the path

♡ 2    ⚡ Thread



Ibrahim Ragab • Apr 16 '20

...

no, just the URL that equal to the home page key in the package.json

[lkian.github.io/ToDoList](https://lkian.github.io/ToDoList)

[dev-to-uploads.s3.amazonaws.com/i/...](https://dev-to-uploads.s3.amazonaws.com/i/...)

♡ 1    💬



jaykeeshow • Feb 22

...



Very nice post Ibrahim. Really helped me.

I was able to deploy my page to gh pages. The only thing is that my background image is

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displaying my image perfectly. While i deploy on gh pages, image disappears. I have tried adding the image using jsx, but to no avail. Previously i imported the image to my scss. Thought that was the problem. Can someone tell me what's going on? app is deployed here- [jaykeeshow.github.io/simple-app/](https://jaykeeshow.github.io/simple-app/)

♡ 2    💬



Ibrahim Ragab 🌟 • Feb 23



Thanks buddy, I see your image doesn't load i saw the build file in your code, try to build and run build locally before you deployed it and check why the image didn't appear

♡ 1    💬



jaykeeshow • Feb 23



dear ibrahim, i don't know how to run build locally. when i run- `npm install -g serve`, I get an error.

```
npm WARN checkPermissions Missing write access to /usr/local/lib/node_modules
npm ERR! code EACCES
npm ERR! syscall access
npm ERR! path /usr/local/lib/node_modules
npm ERR! errno -13
npm ERR! Error: EACCES: permission denied, access '/usr/local/lib/node_modules'
npm ERR! [Error: EACCES: permission denied, access '/usr/local/lib/node_modules'] {
  npm ERR! stack: "Error: EACCES: permission denied, access
'/usr/local/lib/node_modules'",
  npm ERR! errno: -13,
  npm ERR! code: 'EACCES',
  npm ERR! syscall: 'access',
  npm ERR! path: '/usr/local/lib/node_modules'
  npm ERR! }
npm ERR!
npm ERR! The operation was rejected by your operating system.
npm ERR! It is likely you do not have the permissions to access this file as the current
user
```

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npm ERR! permissions of the file and its containing directories, or try running  
npm ERR! the command again as root/Administrator.

npm ERR! A complete log of this run can be found in:  
npm ERR! /Users/jraj कुमार/.npm/\_logs/2021-02-23T10\_56\_22\_458Z-debug.log  
jays-Air:simple-app jraj कुमार\$



Akanksha priya • May 21 '20



Hi! At step 5, I added SSH keys however I received such error:  
Cloning into 'node\_modules/gh-pages/.cache/[git@github.com](https://github.com)!Spring-dot!face-detector.git'...  
ERROR: Repository not found.  
fatal: Could not read from remote repository.

Please make sure you have the correct access rights  
and the repository exists.

npm ERR! code ELIFECYCLE  
npm ERR! errno 1  
npm ERR! [face-detector@0.1.0](https://github.com) deploy: gh-pages -d build  
npm ERR! Exit status 1  
npm ERR!  
npm ERR! Failed at the [face-detector@0.1.0](https://github.com) deploy script.  
npm ERR! This is probably not a problem with npm. There is likely additional logging output above.

npm ERR! A complete log of this run can be found in:  
npm ERR! /home/akanksha/.npm/\_logs/2020-05-21T06\_16\_57\_148Z-debug.log  
Please help!! I am a beginner!



2



Oleksandr Strelchenko • May 31 '20



[stackoverflow.com/questions/607806...](https://stackoverflow.com/questions/607806...)



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tianyiz8 • Mar 25 '20 • Edited



Hello, i am doing the routing for my website, but only the landing page shows up. Could you have a look? I think the problem should be in index.js, main.js, App.js. Thanks!!

[tianyiz8.github.io/personal-website/](https://tianyiz8.github.io/personal-website/)  
[github.com/tianyiz8/personal-website](https://github.com/tianyiz8/personal-website)

♡ 1    💬



Ibrahim Ragab 🌟 • Mar 25 '20



Hey thanks for your comment, handling route in react can easily done by using react router package, not by default way as i saw in your app, also read about Single Page App, and declaritive programming

[github.com/ReactTraining/react-router](https://github.com/ReactTraining/react-router)  
Happy Hacking!

♡ 1    💬



tianyiz8 • Mar 25 '20



Hello! Could you be more specific? I did use react-router-dom, and where are declaritive programming and Single Page App? I still have no idea how to make it work. Thanks!

♡ 1    ⚡ Thread



Ibrahim Ragab 🌟 • Mar 25 '20



if so then why you declare a tag to route check

[reacttraining.com/react-router/web...](https://reacttraining.com/react-router/web...)

♡ 1    💬



Alex • Feb 1 '20



Great article. I got it to work publishing the react app. Note that for the homepage I used

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Lakindu Kariyawasam • Nov 13 '20 • Edited



Really important tutorial. Thank you!

There's an error when I try to install react-bootstrap to my app.

```
npm WARN ERESOLVE overriding peer dependency
npm ERR! Cannot read property 'length' of undefined
```

any suggestions on that?

Im very new to react.



Marissa • May 6 '20 • Edited



Hello, Ibrahim! Thank you for your tutorial. I was just wondering what changes would be necessary if I wanted to deploy the react app directly to the homepage (eg.: [username.github.io](https://username.github.io)), if that's even possible.



Ibrahim Ragab • May 6 '20



Hey Marissa, yea check this [dev.to/javascripterika/deploy-a-re...](https://dev.to/javascripterika/deploy-a-react-app-to-github-pages)  
Happy hacking!



Chris Joshua • Jun 20 '20



What is wrong with mine, i do set up the ssh key. but i still got this error.

Cloning into 'node\_modules\gh-  
pages.cache\git@github.com!DevChrisDev!ChrisJoshuaManuel.git'...  
[git@github.com](https://git@github.com): Permission denied (publickey).



Please make sure you have the correct access rights  
and the repository exists.

```
npm ERR! code ELIFECYCLE
```

```
npm ERR! errno 1
```

```
npm ERR! chris-resume@0.1.0 deploy: gh-pages -d build
```

```
npm ERR! Exit status 1
```

```
npm ERR!
```

```
npm ERR! Failed at the chris-resume@0.1.0 deploy script.
```

```
npm ERR! This is probably not a problem with npm. There is likely additional logging output above.
```

```
npm ERR! A complete log of this run can be found in:
```

```
npm ERR! C:\Users\Client\AppData\Roaming\npm-cache_logs\2020-06-20T00_08_24_598Z-debug.log
```

all help would be much appreciated.



**Bhargav Gohil** • Oct 9 '20 • Edited



hey, Ibrahim I don't know where I am going wrong can you please check where is the issue

[github.com/Bhargav252000/fakegram](https://github.com/Bhargav252000/fakegram)

the error I am getting

```
Cloning into 'C:\Users\BHARGAV\Desktop\React-Apps\fake-gram\node_modules\.cache\gh-pages\git'
fatal: invalid branch name: init.defaultBranch =
```

```
npm ERR! code ELIFECYCLE
```

```
npm ERR! errno 1
```

```
npm ERR! fake-gram@0.1.0 deploy: `gh-pages -d build`
```

```
npm ERR! Exit status 1
```

```
npm ERR!
```

```
npm ERR! Failed at the fake-gram@0.1.0 deploy script.
```

```
npm ERR! This is probably not a problem with npm. There is likely additional logging output
```

```
npm ERR! A complete log of this run can be found in:
```

```
npm ERR! C:\Users\BHARGAV\AppData\Roaming\npm-cache\_logs\2020-10-09T13_30_51_074Z-debug
```



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Irena Mishonova • Apr 6 '20



Helloooo :)

So, I am begginer... and I did what you "said"...and it worked... although I have two issues that I dont understand.

- that is supposed to be my project page - [irenkaaa.github.io/sweet-shop-proj...](https://irenkaaa.github.io/sweet-shop-proj...) ... when u go is showing my 'not found page'... but when u click on the header parts, it is working - but with changed address - [irenkaaa.github.io/{home?store?login}..etc.](https://irenkaaa.github.io/{home?store?login}..etc.)..and it is only working the views... my node.js server is not exactly on there..
- also the other thing... after the deploying , i got that build folder.. and basically...all my files changed and i caouldnt working on the project..ldk how but I managed to return them and now I can work, but I am totally lost...

♡ 1    💬



Ibrahim Ragab 🌟 • Apr 6 '20



first issue check routing, second cuz you watch gh-branch change to master  
happy hacking!

♡ 2    💬



Irena Mishonova • Apr 7 '20



Thanks a lot! On my way to check the stuff!!!

Keep safe from Covid!

♡ 2    💬



Shivam Sharma • Apr 3 '20



Hi Ibrahim, First Thank you for a such a wonderful and helping blog.I have one doubt that i was able to succesfully deploy my react app but when i make changes locally i am unable to get those changes on my react app. Can you please guide how to do that in a proper way?

♡ 364

🔥 82

🔖 456





Ibrahim Ragab · Apr 3 '20



Yeah make changes commit and run the deploy again to generate fresh build your terminal will tell you the rest,  
Another way delete build delete gh branch make changes rub deploy  
Happy Hacking



Bruno Kümmel · Apr 1 '20



Great Post! Thank you for sharing it !  
Is it possible to deploy it when you have API Keys in your code?

Normally when we send our code to git, we put the files with API keys or secrets in the .gitignore file and use the Git hub only as a repository. I want to deploy a simple app that has an API in it. Any ideas?

Thanks a lot!



Ibrahim Ragab · Apr 1 '20



Urw welcome bruno, since we're working with react-app you can check [create-react-app.dev/docs/adding-c...](https://create-react-app.dev/docs/adding-c...)



Eaindra Wun Pyae · Feb 3 '20



Hello Ibrahim, my app deploys now, but it is showing only HTML plain webpage. Would you mind looking at my Github repo, and guide me any necessary changes to my project?  
[github.com/eaindra-wp/portfolio](https://github.com/eaindra-wp/portfolio)



Ibrahim Ragab · Feb 3 '20



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and put "homepage": "xyz....", at the top of your module  
and check console errors, make sure console is free!

♡ 2    💬



Eaindra Wun Pyae • Feb 3 '20

...



Hello Ibrahim, I have updated the steps that you suggested, but it seems like my react-app cannot find the CSS files yet.

♡ 1    💬



ian1202 • Jan 24 '20

...



Hi Ibrahim, I have recently built my first react project. Despite having followed all your instructions on the thread, my app won't deploy. Would appreciate it if you could take a look at it for me:

[ian1202.github.io/react-project/](http://ian1202.github.io/react-project/)

Thank you!

♡ 1    💬



Ibrahim Ragab 🌟 • Jan 24 '20 • Edited

...



Not all the instruction I think, do this changes to package dot json, change home to homepage and add the right value "http://{username}.github.io/{repo-name}" . Solved

♡ 2    💬



ian1202 • Jan 24 '20

...



It worked! Sorry for having missed that detail. Thank you!

♡ 2    ⚡ Thread



Ibrahim Ragab 🌟 • Jan 24 '20

...



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...



**mjach** • Dec 6 '19



I deployed my react app to GitHub and its working but not what I expected. When I run the app on the localhost its works perfectly and I can see all the pictures and all the navigation works. After deploy on Github, I can not see anymore the images which were a relative path link to my app and also navigation back button seems not working. Any hints on how to overcome these issues. Here is react app Github deployed Link- Your site is published at [mjachowdhury.github.io/mjacportfolio/](https://mjachowdhury.github.io/mjacportfolio/)

would you please look into this



**Ibrahim Ragab** 🌟 • Dec 18 '19



hey mjach your problem-specifically in routing there's a difference between routing on dev server and the production double-check this point I know you can do it, and if not sadly contact me and I will fix this for you



**ItsGiovanni** • Nov 21 '19 • Edited



Lovely. Thank you for this.

If you're having the following error:  
Host key verification failed.  
fatal: Could not read from remote repository.

Remove your remote:  
`git remote remove origin`

Then create a new remote. no marks:  
`git remote add ht tps://github.com/username/repo-name.git`

Using the [git@github.com](https://github.com):... syntax ends up using SSH to clone, and inside the container, your private key is not available.





Kriviears • Dec 18 '19 • Edited



I followed the instructions and got the same messages from the terminal up to right under the "gh-pages -d build" and then I get these lines

```
gh-pages -d build
```

```
bash: /dev/tty: No such device or address
```

```
error: failed to execute prompt script (exit code 1)
```

```
fatal: could not read Username for 'github.com': Invalid argument
```

my repo is [github.com/Kriviears/React-Portfolio](https://github.com/Kriviears/React-Portfolio)

♡ 2    💬



Ibrahim Ragab 🌟 • Dec 18 '19



hey Kriviears, first you should fix all bugs before deploy, second check this repo this is your app running successfully, and double-check the fix commit after you fix this problem notify me to delete you repo = >

[yuribenjamin.github.io/React-Portf...](https://yuribenjamin.github.io/React-Portf...)

[github.com/Yuribenjamin/React-Port...](https://github.com/Yuribenjamin/React-Port...)

♡ 1    💬



pauluzo • Nov 18 '19



Hello Ibrahim. I followed your tutorial and I am trying to deploy my first app to github pages. I keep getting this error when I run "npm run deploy".

```
gh-pages -d build
```

```
Host key verification failed.
```

```
fatal: Could not read from remote repository.
```

Please make sure you have the correct access rights  
and the repository exists.

Any help please?



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Ibrahim Ragab • Dec 18 '19



make sure that you provide the right credentials



1



Andrii • Feb 18 '20



Hi, I have this error:  
fatal: Could not read from remote repository.  
  
Please make sure you have the correct access rights  
and the repository exists.



1



Ibrahim Ragab • Feb 18 '20



can you provide your github repo



2



Andrii • Feb 18 '20



Sure: [github.com/andrii1](https://github.com/andrii1)  
I'm trying github pages here: [github.com/andrii1/andrii1.github.io](https://github.com/andrii1/andrii1.github.io)



2



Thread



Ibrahim Ragab • Feb 18 '20



in this tutorial, I introduced deploying react App to Github pages, I see your app didn't consume react packages, so you can deploy your app using the normal process by open settings navigate to GitHub Pages then in Source choose the master branch if you want run your app from the master branch.  
happy hacking!



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**Andrii** • Feb 18 '20

Sorry, can you specify a bit? I need to push it in separate repository inside /andrii1.github.io?

2   Thread

**Ibrahim Ragab** • Feb 18 '20

what I need to say your app not a react app so you don't need this tutorial to deploy it to github you can deploy it from the setting

1   Thread

**Andrii** • Feb 19 '20 • Edited

So, I have my React app in separate folder my-app, when I'm trying to upload it to GitHub, I see this:

[dev-to-uploads.s3.amazonaws.com/i/...](https://dev-to-uploads.s3.amazonaws.com/i/...)

1   Thread

**Andrii** • Feb 19 '20

Update: issue was solved with:  
git push -f origin master

But, still [andrii1.github.io/my-app](https://andrii1.github.io/my-app) is not live..  
[github.com/andrii1/my-app](https://github.com/andrii1/my-app)

1

**pnierbrzydowski** • May 25 '20

In case anyone else runs into the same issue that I had. When running the build command for the first time, I got error:

*fatal: ambiguous argument 'HEAD': unknown revision or path not in the working tree.*

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Jesús Salvador Villegas Cambero • Dec 28 '19



I gave it a try, but I'm getting a 404 error. Any idea what it can be?

repo: [github.com/gsus0194/gsus0194.github...](https://github.com/gsus0194/gsus0194.github.io)

gitpage: [gsus0194.github.io/professional we...](https://gsus0194.github.io/professional_website/)

Thanks



Ibrahim Ragab • Dec 29 '19



hi bro, give your app and repo simple name without any special characters kindly check this commit for fix this bug [github.com/Yuribenjamin/gsus/commi...](https://github.com/Yuribenjamin/gsus/commit/1a1a1a1) and your app is running successfully [yuribenjamin.github.io/gsus/](https://yuribenjamin.github.io/gsus/) finally, after fixing this issue tell me to delete your repo



Jesús Salvador Villegas Cambero • Dec 29 '19



Thanks! you can delete it



Ibrahim Ragab • Dec 29 '19



Happy hacking!



Lukas • Nov 24 '20



Hello,





Thanks for the tutorial. I followed all the steps but for some reason my gh-pages link is left blank (but it still receives the title 'React App'. )

Why is my project not showing up on the gh-pages link?

My repo: [github.com/lukas-jj/pomodoro](https://github.com/lukas-jj/pomodoro)

Link to the page: [lukas-jj.github.io/pomodoro/](https://lukas-jj.github.io/pomodoro/)

Cheers



appukuttan-shailesh • Nov 16 '20



Hi Ibrahim, thanks for the tutorial. I believe I have followed all the steps, got no errors, but unable to view the final output... it keeps showing "Site not found".

My page is at: [appukuttan-shailesh.github.io/live...](https://appukuttan-shailesh.github.io/live...)

The branch I deployed is here:

[github.com/appukuttan-shailesh/liv...](https://github.com/appukuttan-shailesh/liv...)

Can you give me any tips on what I might be doing wrong? Thanks in advance!



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**Ibrahim Ragab**

Frontend developer @WuiltApp, Former Lawyer

Follow

**WORK**

Front-end developer at Wuilt

**LOCATION**



**EDUCATION**

Front-End Web Developer Nanodegree

**JOINED**

Dec 8, 2018

**More from Ibrahim Ragab**

Write Node server with ES6 Classes

#discuss #node #express #javascript



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