

*let's create your first*



# Github Package





## create personal access token

New personal access token

Personal access tokens function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to [authenticate to the API over Basic Authentication](#).

Note

Test Package

What's this token for?

Expiration \*

60 days The token will expire on Thu, Nov 10 2022

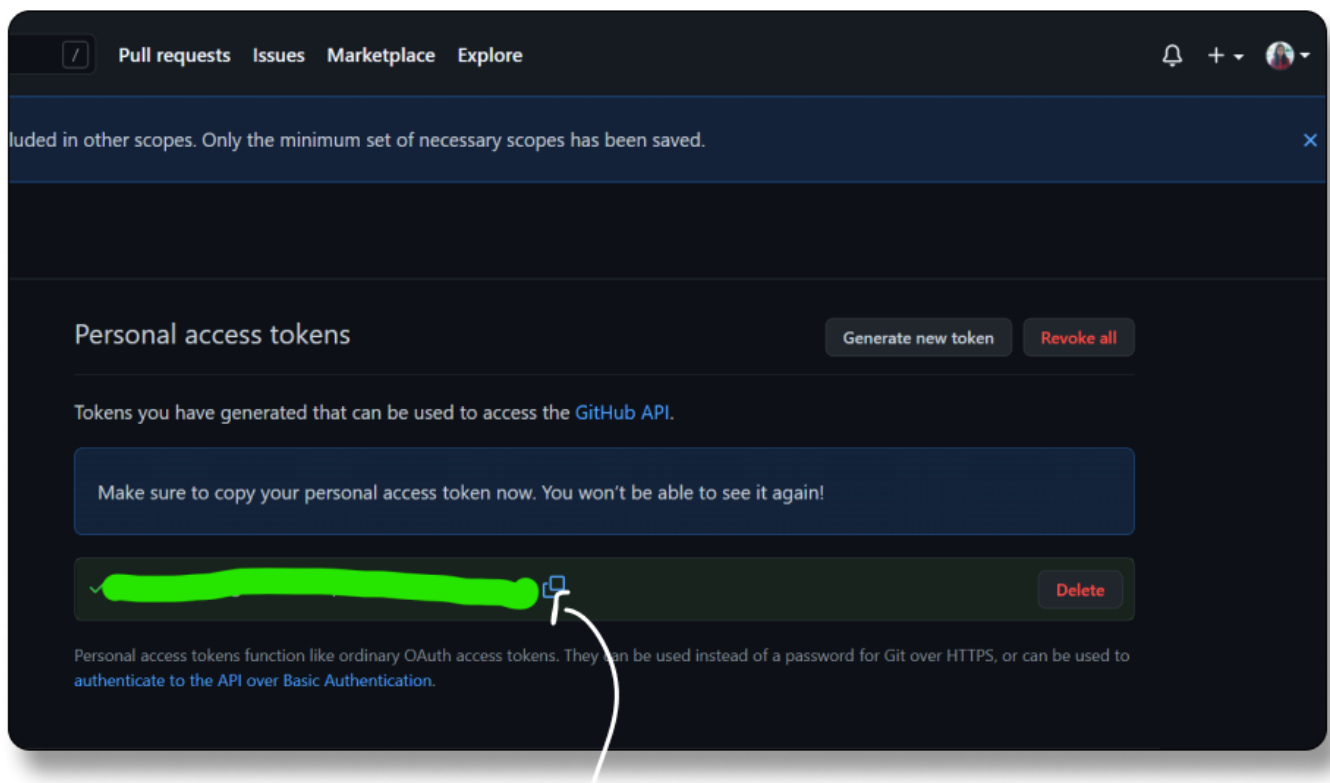
Select scopes

Scopes define the access for personal tokens. [Read more about OAuth scopes](#).

<input checked="" type="checkbox"/> repo	Full control of private repositories
<input checked="" type="checkbox"/> repo:status	Access commit status
<input checked="" type="checkbox"/> repo_deployment	Access deployment status

- Go to **Settings** > **Developer Settings** > **Personal Access Token**.
- Give your token a note, set **expiration time** and select the **permissions** allowed for the access token.
- Click on **Generate Token** Button.

- Make sure to **copy your personal access token** now.  
(Don't worry you can always generate a new one :))





## Login to [npm.pkg.github.com](https://npm.pkg.github.com)

*Open terminal of your choice, and run below commands one by one!*



#1

```
npm login --registry=https://npm.pkg.github.com
```

#2

```
Username: <github-user-name>
```

```
Password: <personal-access-token>
```

```
Email: (this IS public) <your-email>
```

*you should be seeing something like this after successful login --*

***Logged in as <github-user-name> on  
<https://npm.pkg.github.com>***



## Create a nodejs project

*Generate a package json by running:*

***npm init --yes***

```
package.json X
package.json > ...
1  {
2    "name": "av-test-github-package",
3    "version": "1.0.0",
4    "description": "",
5    "main": "index.js",
6    "scripts": {
7      "test": "echo \"Error: no test specified\" && exit 1"
8    },
9    "keywords": [],
10   "author": "",
11   "license": "ISC"
12 }
13
```

*This is the project that will soon be published as a package!*

# 4

## Add some code for your package

*create an **index.js** in the root of your project. Add whatever you like here!*

```
JS index.js  X
JS index.js
1  console.log(' ✨ This is my first github package ✨');
```

# 5

## Modify package.json

```
package.json X
package.json > ...
1  {
2    "name": "@mis-coder/av-test-github-package",
3    "version": "0.0.1",
4    "description": "A dumb package meant to do nothing much",
5    "main": "index.js",
6    "scripts": {
7      "test": "echo \"Error: no test specified\" && exit 1"
8    },
9    "keywords": [],
10   "author": "Antra Verma",
11   "license": "ISC",
12   "repository": {
13     "type": "git",
14     "url": "git+https://github.com/mis-coder/test-github-package-code.git"
15   },
16   "publishConfig": {
17     "registry": "https://npm.pkg.github.com/@mis-coder"
18   }
19 }
20
```

**@<github-user-name>** is the **scope** of your package. And it is important to add before your package name.

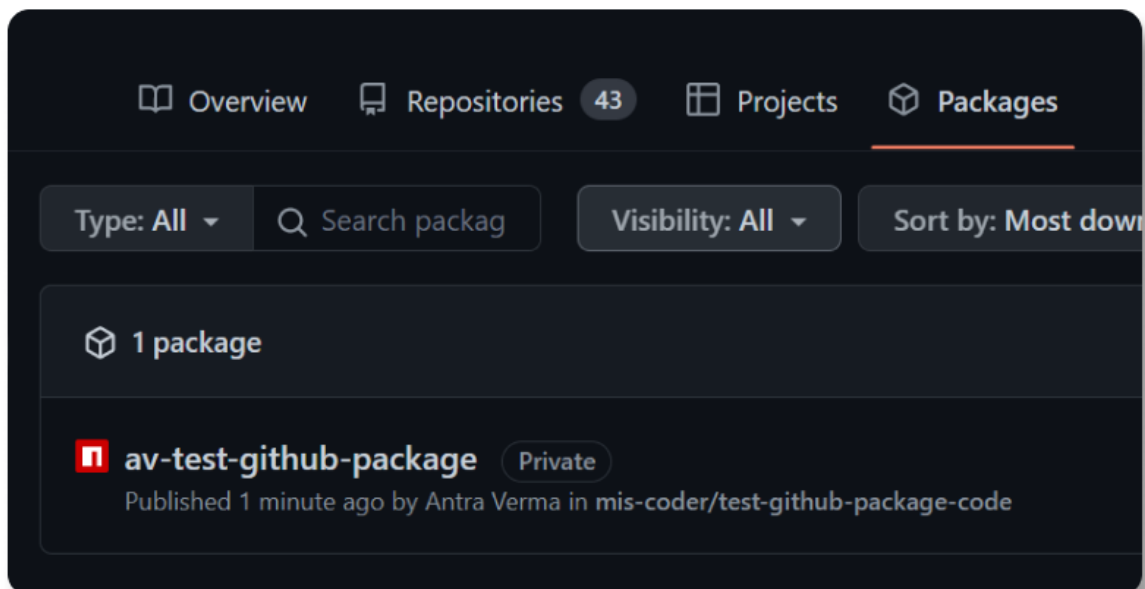


## Publish your package



```
npm publish --@<github-user-name>:registry=https://npm.pkg.github.com/
```

*if everything goes well, your package will be published successfully!*







## Install your package

- *create a separate project to install the package and test it*
- *Add **.npmrc** file at the root of this project with given code*

```
.npmrc
1  @mis-coder:registry=https://npm.pkg.github.com
```

↑  
your-github-user-name

The screenshot shows a code editor with a dark theme. The top tab is labeled '.npmrc' with a close button. The editor content shows a single line of code: '@mis-coder:registry=https://npm.pkg.github.com'. A white arrow points from the text 'your-github-user-name' below to the '@mis-coder' part of the code.

- *run the following command on your terminal*  
***npm i @<github-user-name>/<package-name>***



## Use your package

- *import your package in a file*

```
JS index.js  ×  
JS index.js  
1  require('@mis-coder/av-test-github-package');
```

- *run this file*

```
PS C:\Users\antra\Documents\projects\test-github-package> node index.js  
✨ This is my first github package ✨  
PS C:\Users\antra\Documents\projects\test-github-package> █
```

**and we made it !!**



*let me know if it was useful!*

