

Infrastructure Automation using Terraform

Publish Custom Module in Terraform Registry



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This Activity demonstrates how to publish custom modules in Terraform Registry. By publishing modules, we can share our code with others.

Prerequisite:

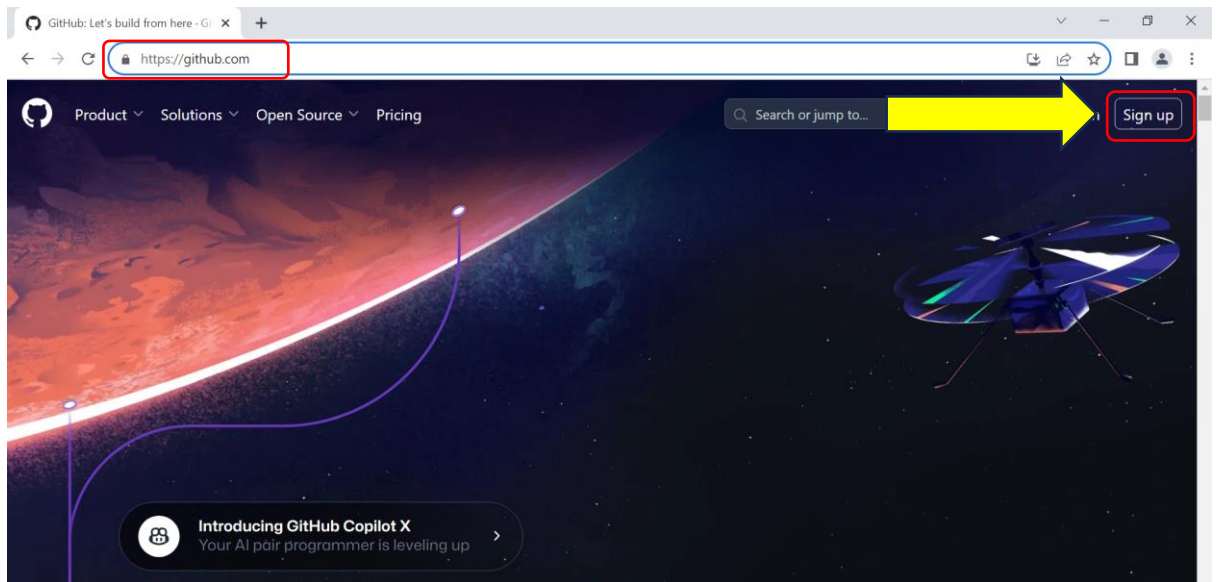
- 1) Need GitHub Account

Walkthrough:

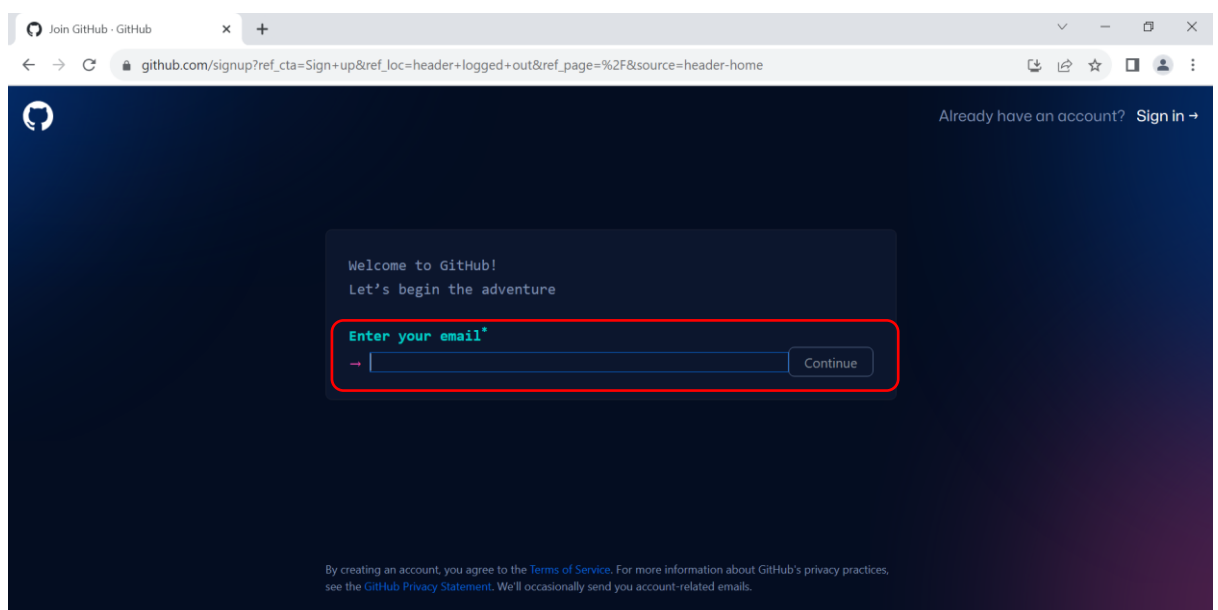
1. Login to your GitHub Account
2. Create a new repository
3. Upload files
4. Create a new release
5. Publish the Module in Terraform Registry

Part 1: Login to your GitHub Account

- 1 If you already have GitHub Account, Sign-In using your username and password. Otherwise please follow below steps to create a GitHub Account. Navigate to <https://github.com/> and click on Sign-Up.

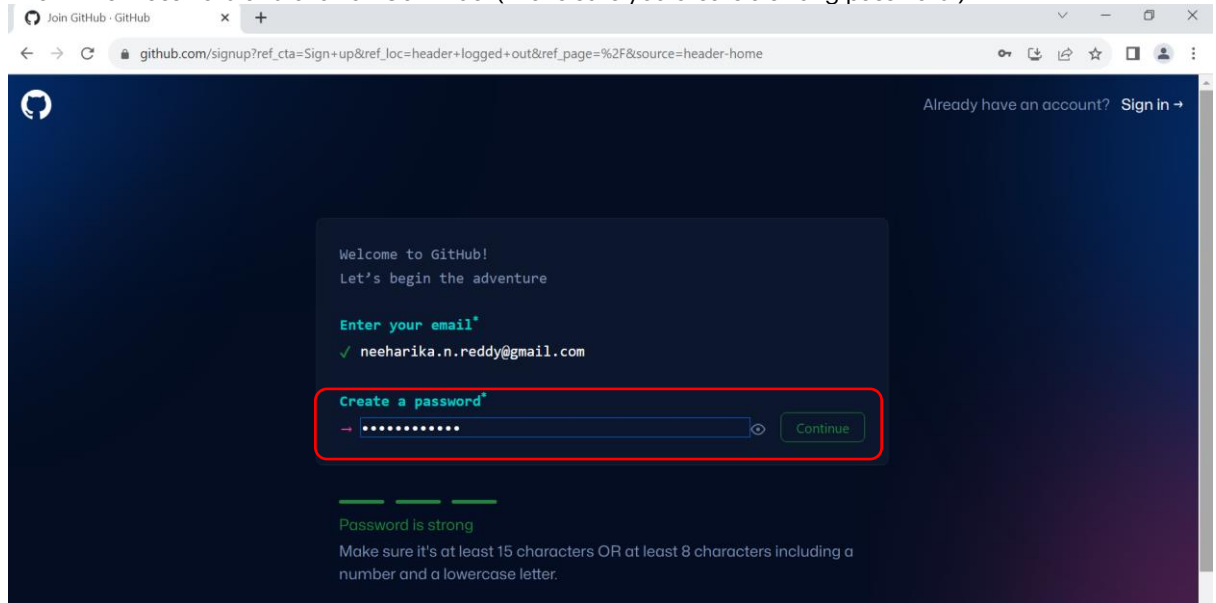


- 2 Provide your email-id and click on continue.



3

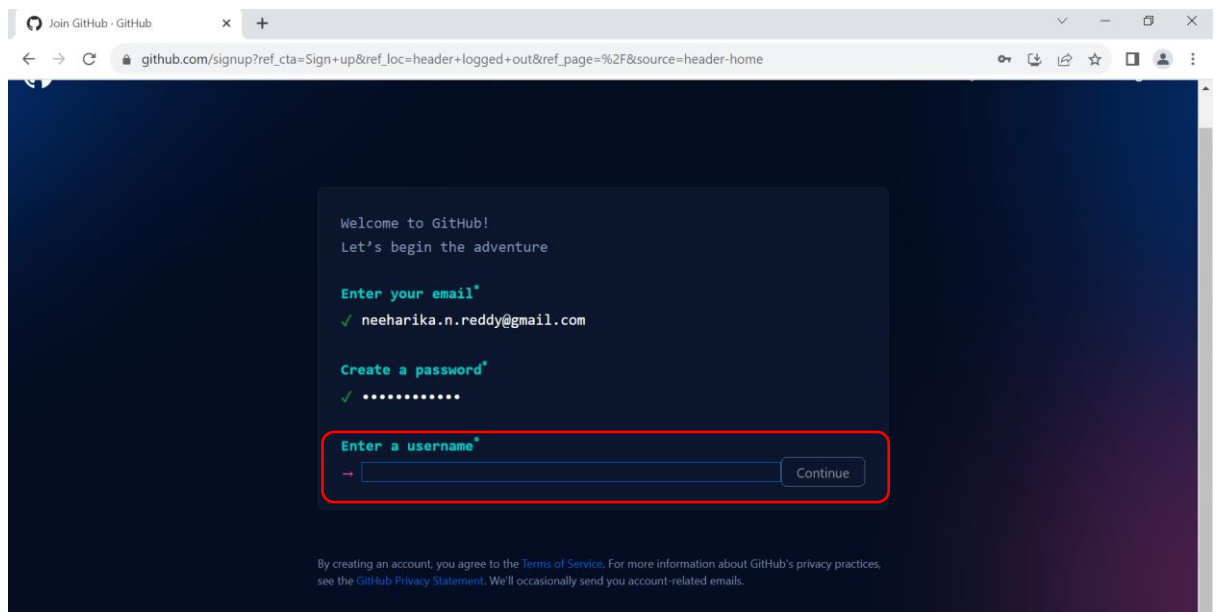
Then Enter Password and click on Continue. (Make sure you create a strong password).



The screenshot shows the GitHub signup page. The user has already entered their email, 'neeharika.n.reddy@gmail.com', which is marked as valid. The 'Create a password' field is highlighted with a red box and contains a strong password, also marked as valid. A 'Continue' button is visible next to the password field. Below the password field, a message states 'Password is strong' and provides guidelines: 'Make sure it's at least 15 characters OR at least 8 characters including a number and a lowercase letter.'

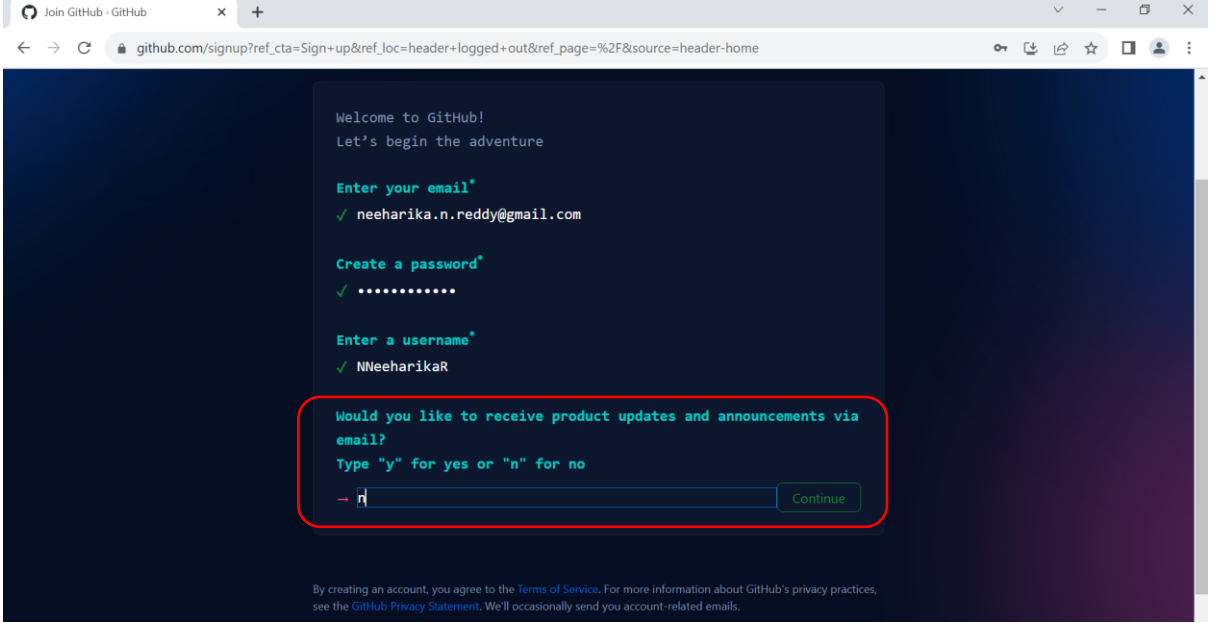
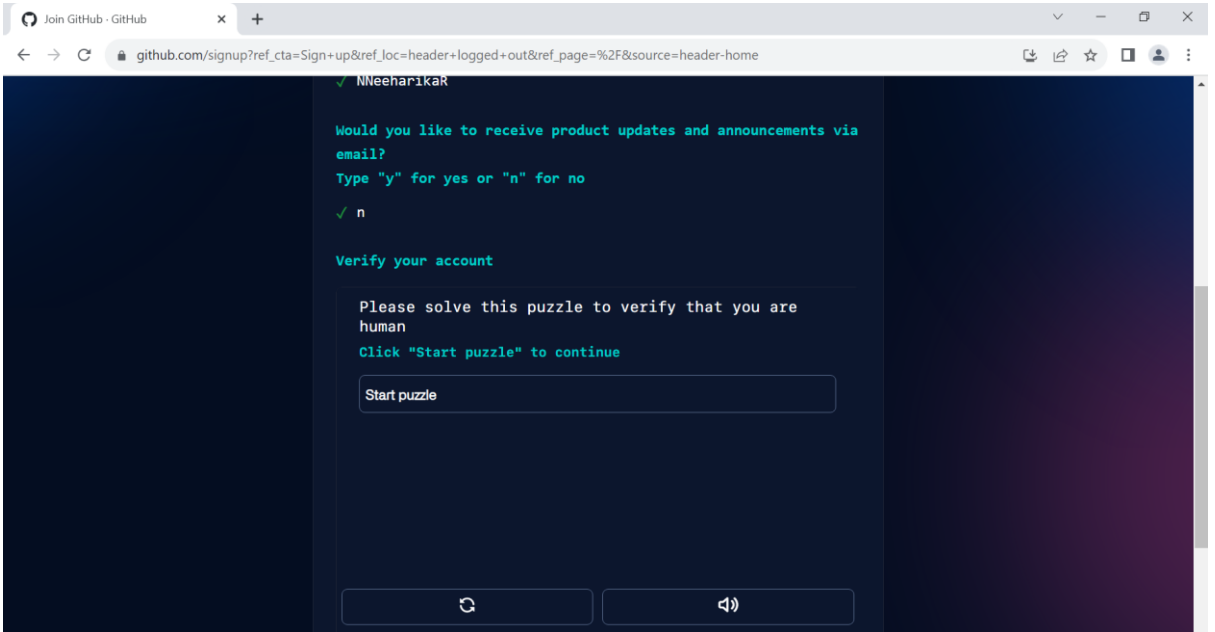
4

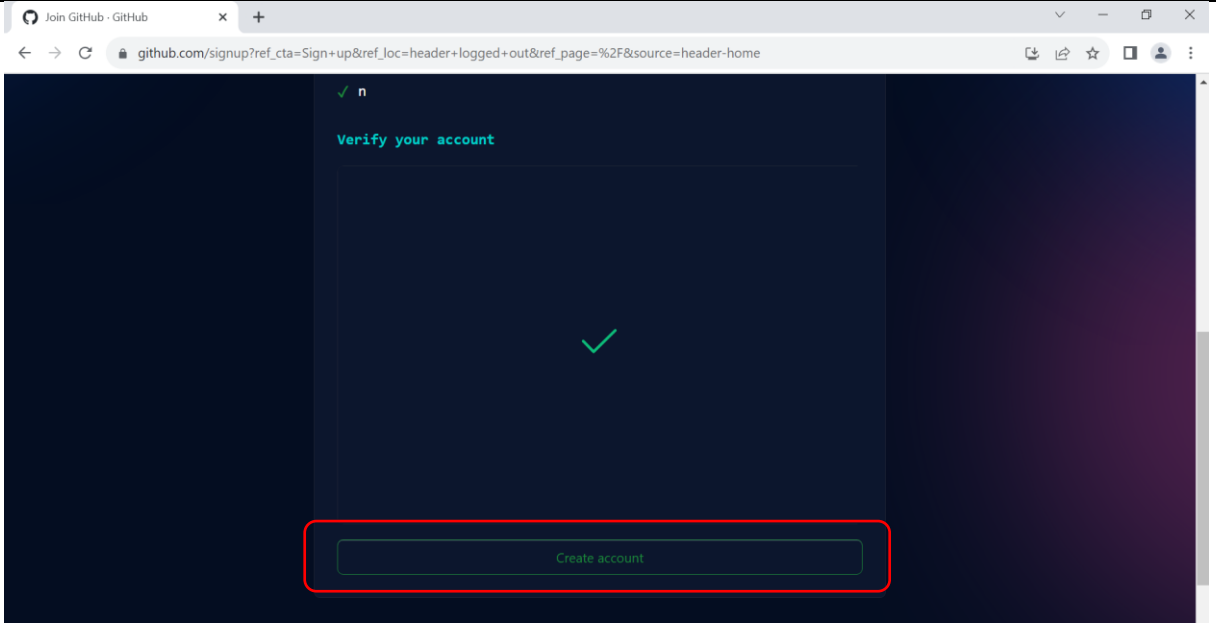
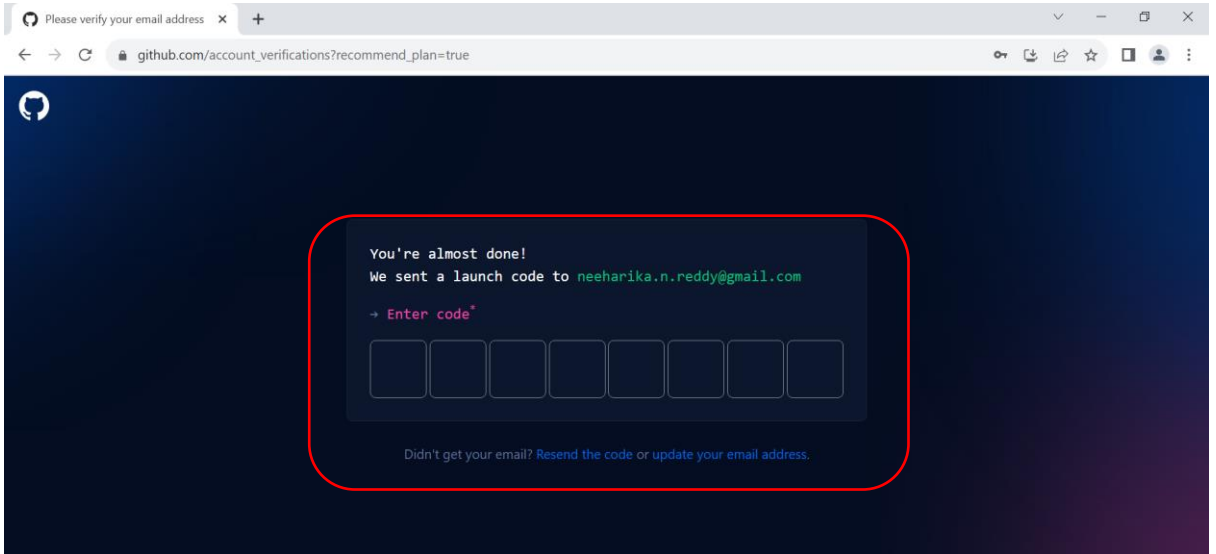
Next enter Username and click on continue. If you want product updates and announcements, you can opt-in for it. Otherwise just type "n" and click on continue.

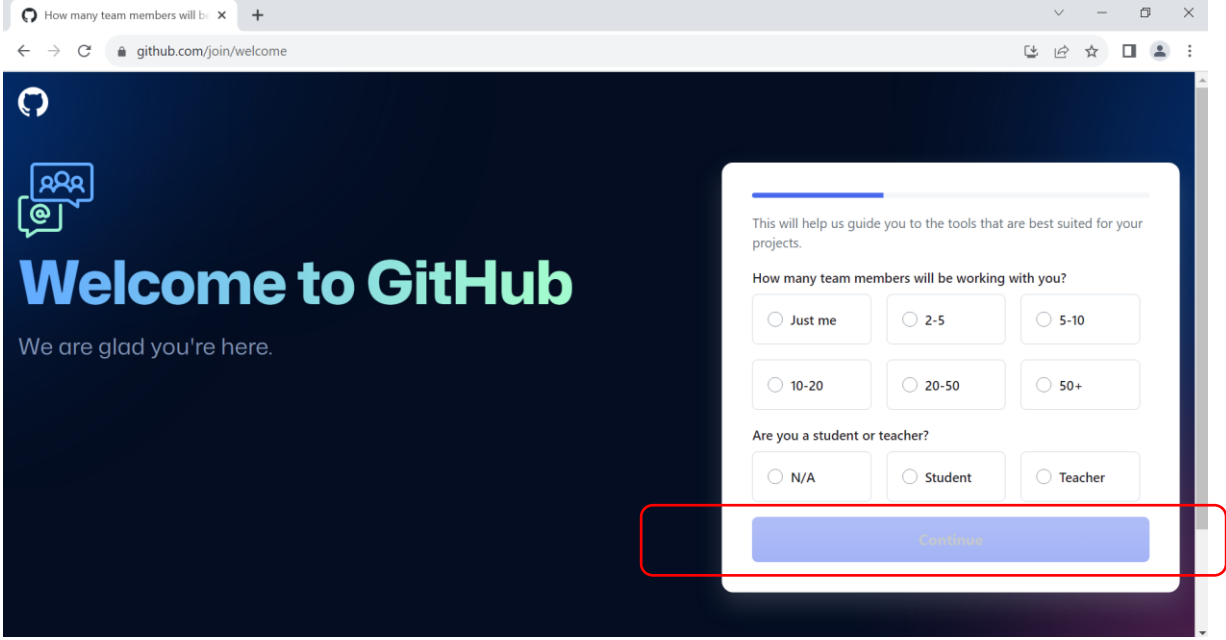
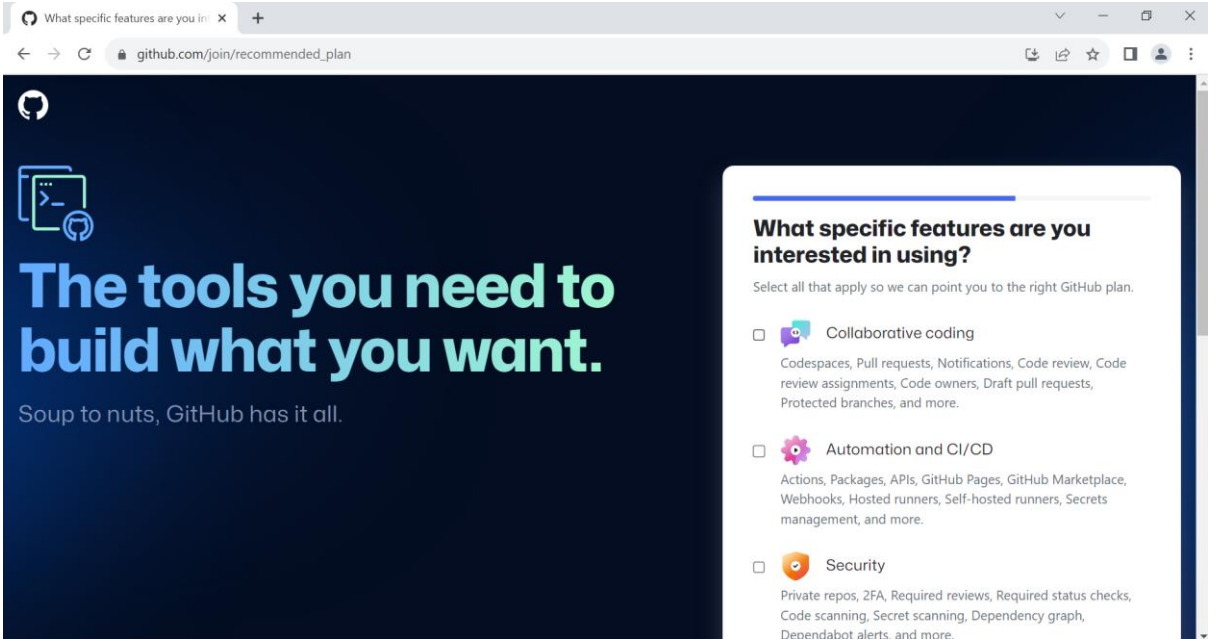


The screenshot shows the GitHub signup page. The user has already entered their email and password, both marked as valid. The 'Enter a username' field is highlighted with a red box and is empty. A 'Continue' button is visible next to the username field. At the bottom of the page, there is a disclaimer: 'By creating an account, you agree to the Terms of Service. For more information about GitHub's privacy practices, see the GitHub Privacy Statement. We'll occasionally send you account-related emails.'

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5	<p>Verify your account by solving the puzzle and then click on “Create Account”.</p> 

	
6	<p>Enter the code which is sent to your email-id. After verification, it will ask you to provide your preferences. Specify your preferences and Click on Continue.</p> 

	
7	<p>Scroll down to the bottom and click on “Skip Personalization”.</p> 

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What specific features are you interested in?
github.com/join/recommended_plan

Project management

Projects, Labels, Milestones, Issues, Unified Contribution Graph, Org activity graph, Org dependency insights, Repo insights, Wikis, and GitHub Insights.

Team Administration

Organizations, Invitations, Team sync, Custom roles, Domain verification, Audit Log API, Repo creation restriction, and Notification restriction.

Community

GitHub Marketplace, GitHub Sponsors, GitHub Skills, and Electron.

Continue

Skip personalization

Then you will be redirected to home page.

GitHub

github.com

Dashboard

Type to search

Create your first project
Ready to start building? Create a repository for a new idea or bring over an existing repository to keep contributing to it.
Create repository Import repository

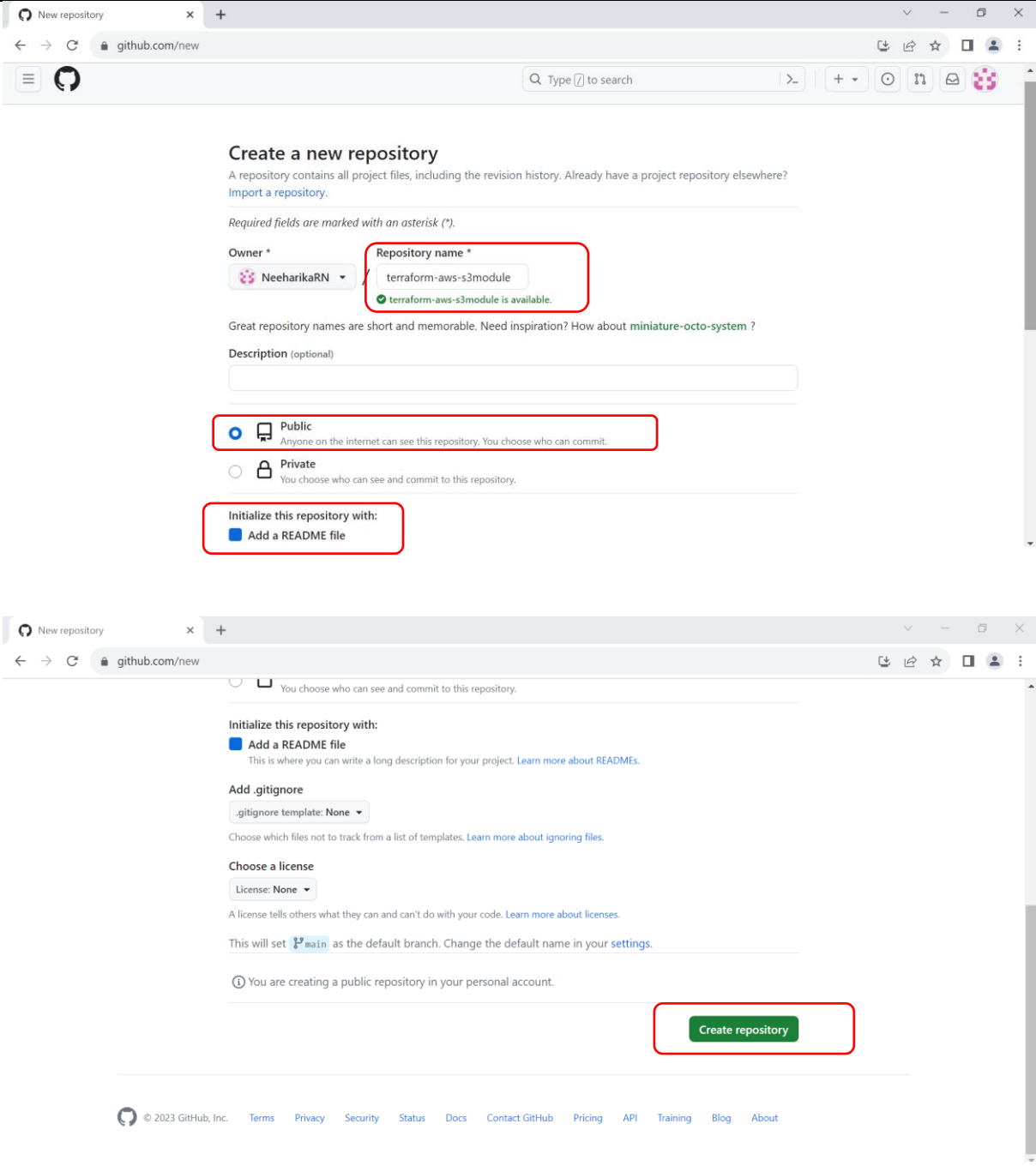
Recent activity

For you Beta Following
Start writing code
Start a new repository
A repository contains all of your project's files, revision history, and collaborator discussion.
Introduce yourself with a profile README
Share information about yourself by creating a profile README, which appears at the top of your profile page.

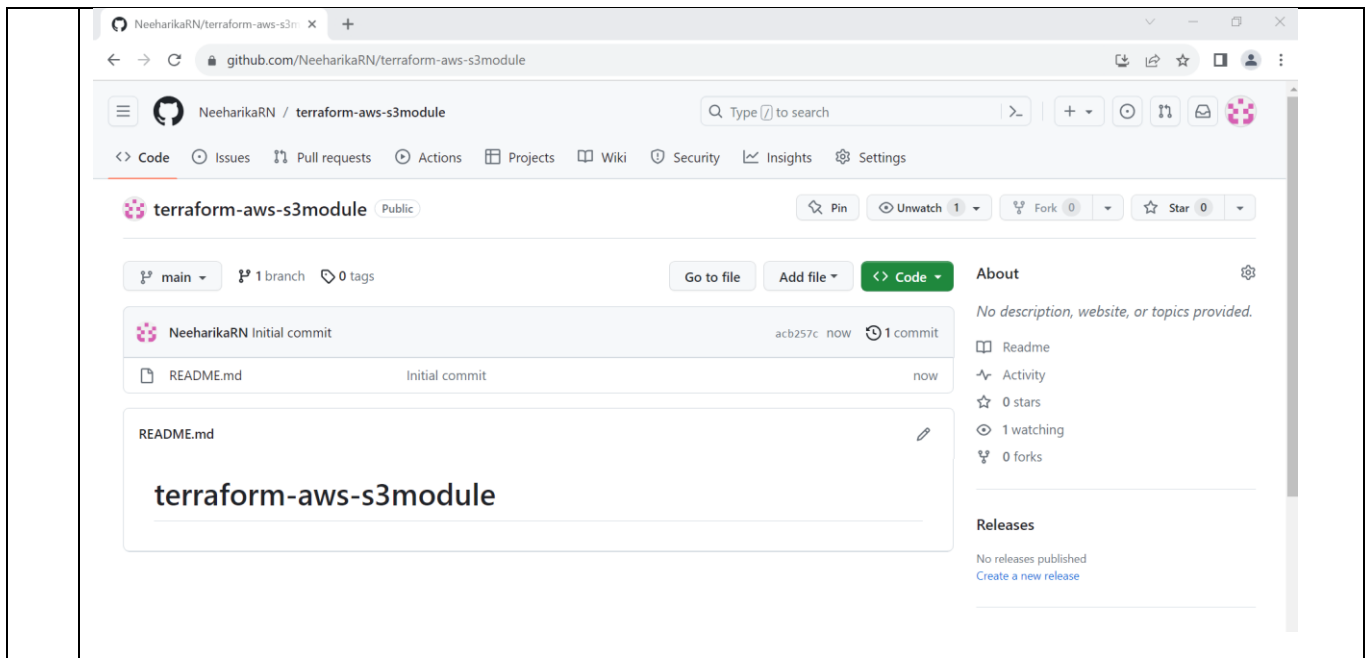
Latest changes
Yesterday
Publishing with npm provenance from private source repositories is n...
2 days ago
Codespaces Access and Ownership Settings
3 days ago
GitHub Actions: Update on save-state

Part 2: Create a new repository

1	Click on Create repository or on "+" in your top right corner.
2	Provide repository name as "terraform-<provider_name>-<module_name>" like "terraform-aws-s3module", type of repository as Public, check the box "Add a Readme File". Scroll Down and click on "Create Repository".

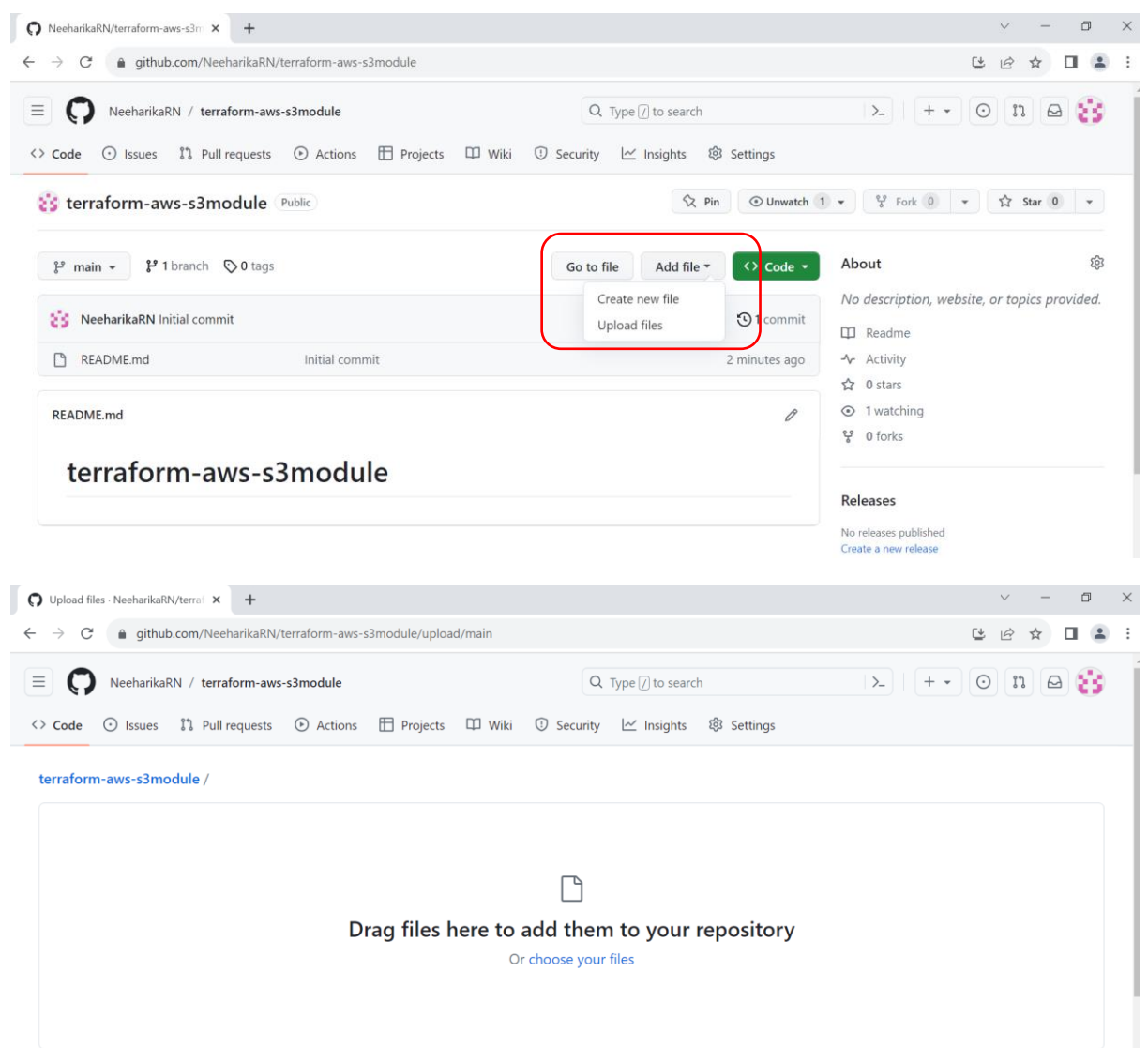
	 <p>The image displays two screenshots of the GitHub 'New repository' page. The top screenshot shows the 'Repository name' field with 'terraform-aws-s3module' entered, which is marked as available. The 'Public' radio button is selected. The bottom screenshot shows the 'Create repository' button highlighted in green.</p>
3	Repository will be created and below page will be opened.

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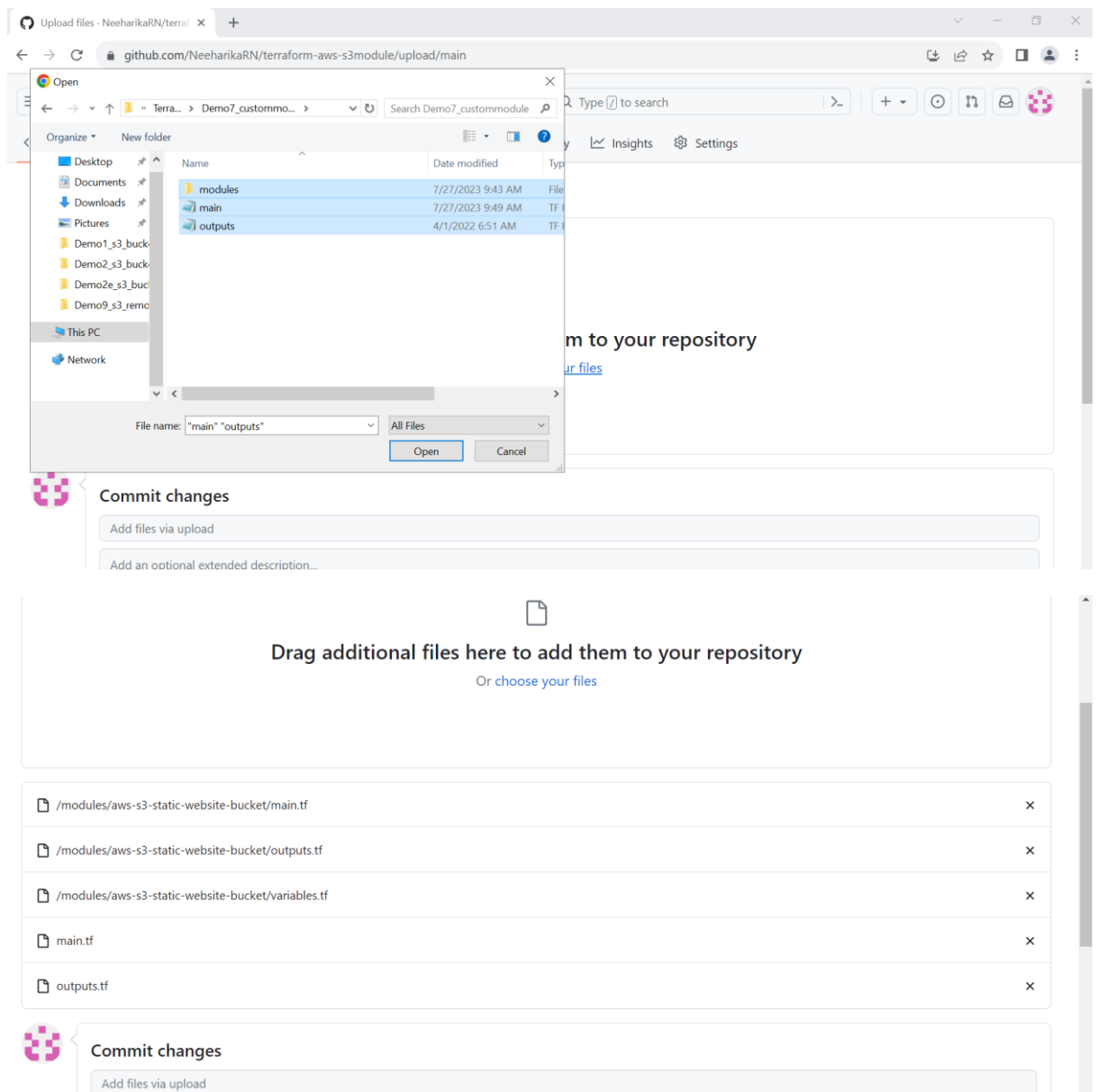


Part 3: Upload files

- 1 Upload module files to above repository. Click on Add files and then choose Upload files.

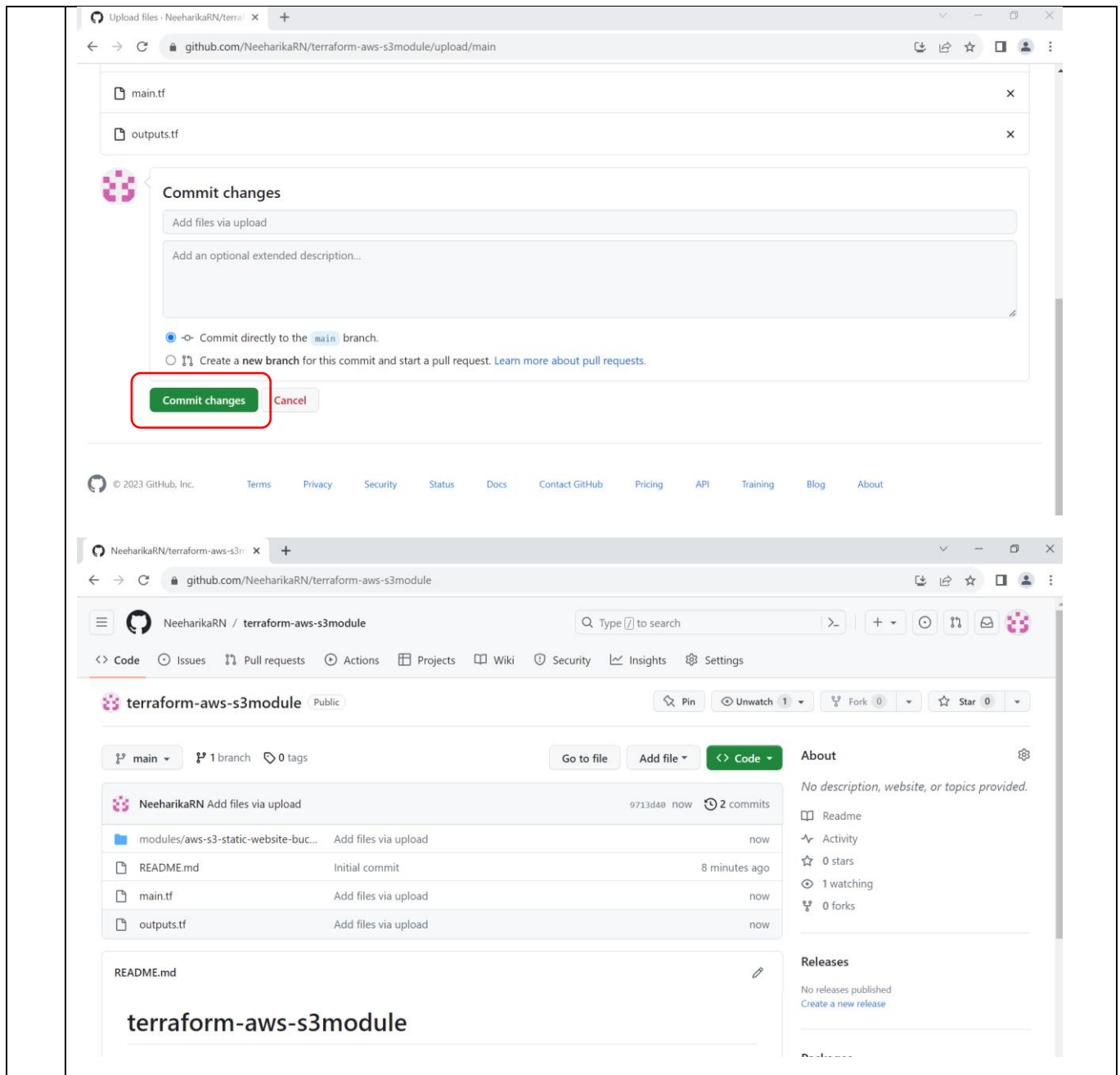


2 Drag and drop the required files or browse the files and click on upload.



3 Scroll down and click on commit changes.

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Part 4: Create a new release

- 1 Click on "Create a new release" on the bottom right corner.

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github.com/NeeharikaRN/terraform-aws-s3module

terraform-aws-s3module

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

terraform-aws-s3module Public

main 1 branch 0 tags

Go to file Add file Code

About

No description, website, or topics provided.

Readme Activity 0 stars 1 watching 0 forks

Releases

No releases published

Create a new release

terraform-aws-s3module

2

Click on "Choose a tag". Enter tag as "v1.0.0" and click on "Create new tag".

New release · NeeharikaRN/terraform-aws-s3module

github.com/NeeharikaRN/terraform-aws-s3module/releases/new

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Releases Tags

Choose a tag

Choose an existing tag, or create a new tag when you publish this release.

Target: main

Release title

Write Preview

Describe this release

Generate release notes

Tagging suggestions

It's common practice to prefix your version names with the letter v. Some good tag names might be v1.0.0 or v2.3.4.

If the tag isn't meant for production use, add a pre-release version after the version name. Some good pre-release versions might be v0.2.0-alpha or v5.9-beta.3.

Semantic versioning

If you're new to releasing software, we highly recommend to learn more about semantic versioning.

A newly published release will automatically be labeled as the latest release for this repository.

If 'Set as the latest release' is unchecked, the

New release · NeeharikaRN/terraform-aws-s3module

github.com/NeeharikaRN/terraform-aws-s3module/releases/new

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Releases Tags

Choose a tag

Choose a tag

v1.0.0

Create new tag: v1.0.0 on publish

Describe this release

Generate release notes

Tagging suggestions

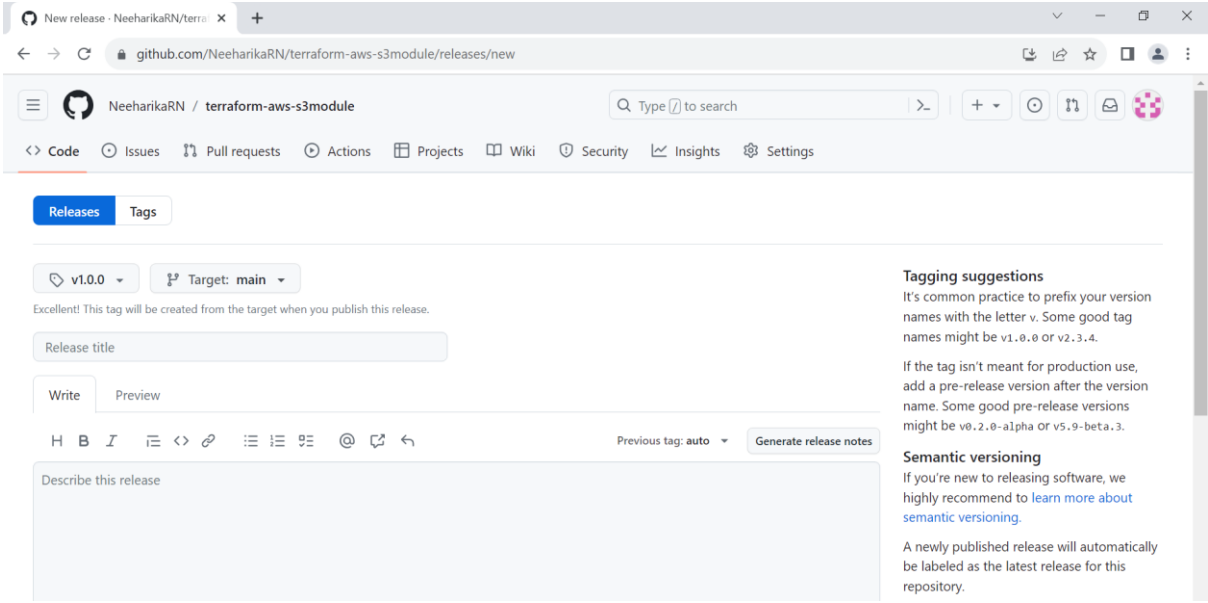
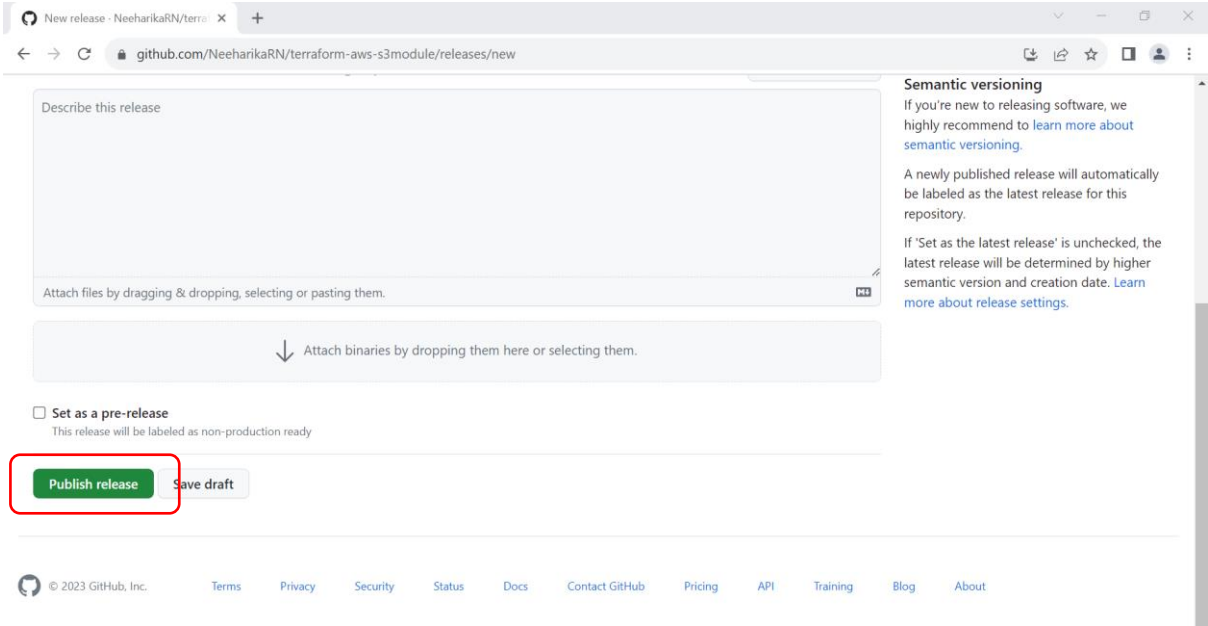
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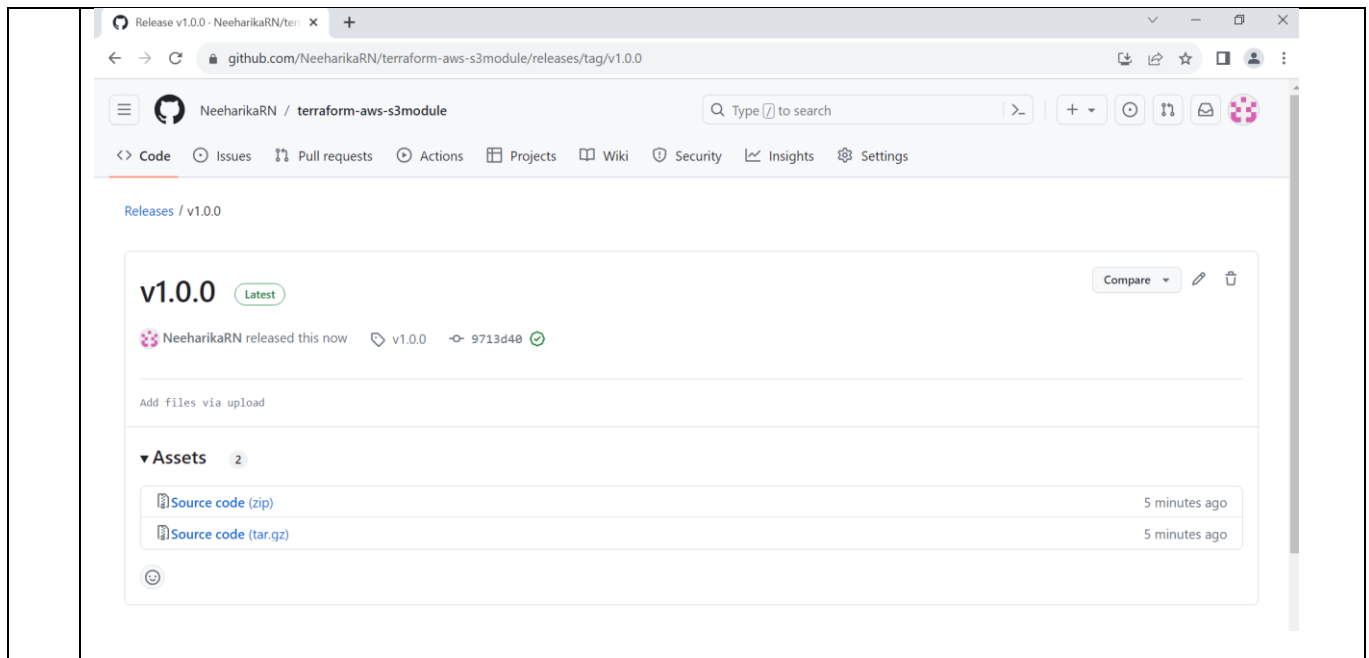
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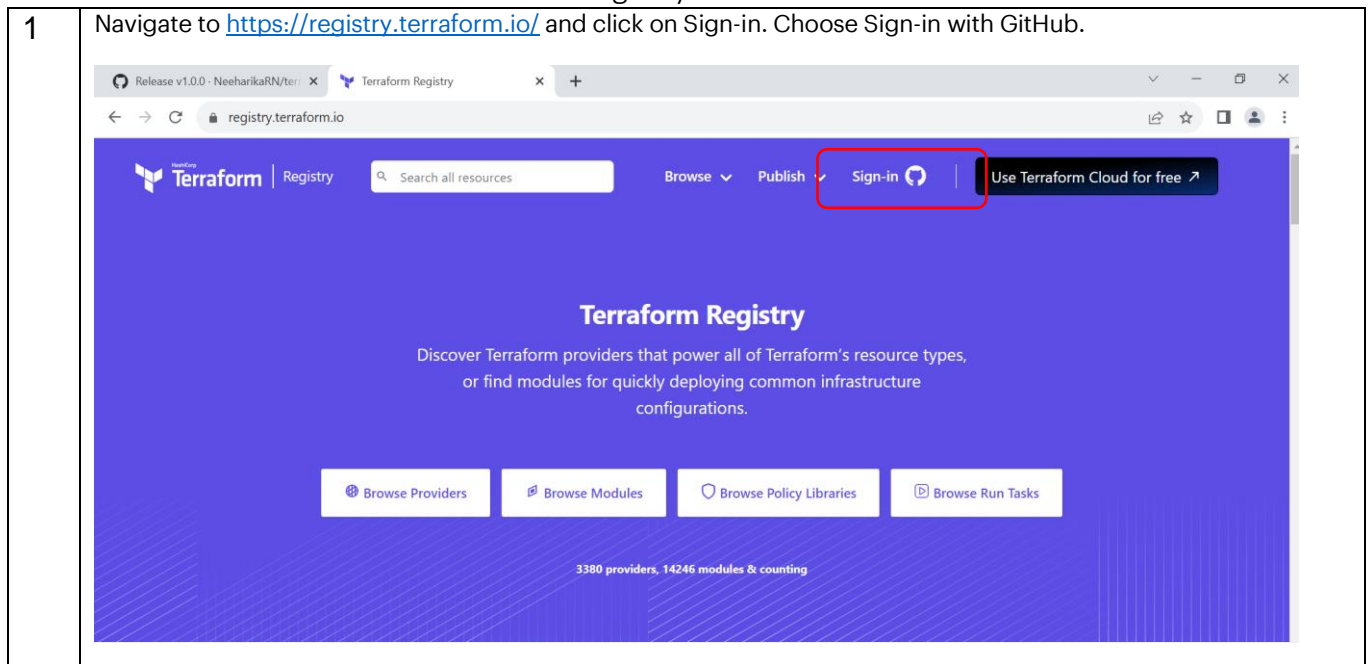
	
3	<p>Scroll down and click on “Publish release”.</p> 

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Part 5: Publish the Module in Terraform Registry

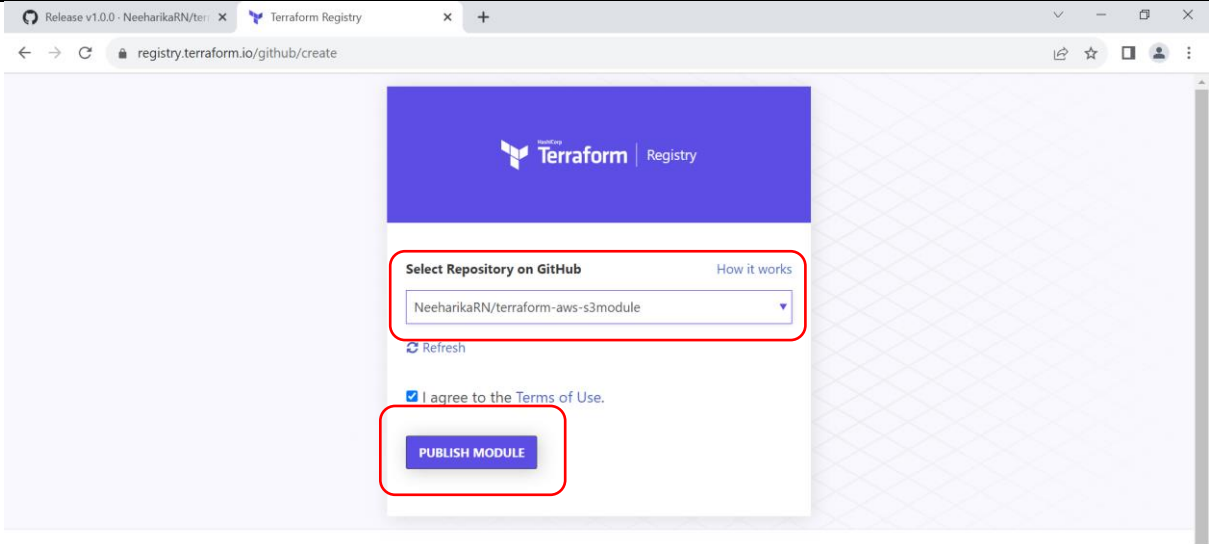
1. Navigate to <https://registry.terraform.io/> and click on Sign-in. Choose Sign-in with GitHub.



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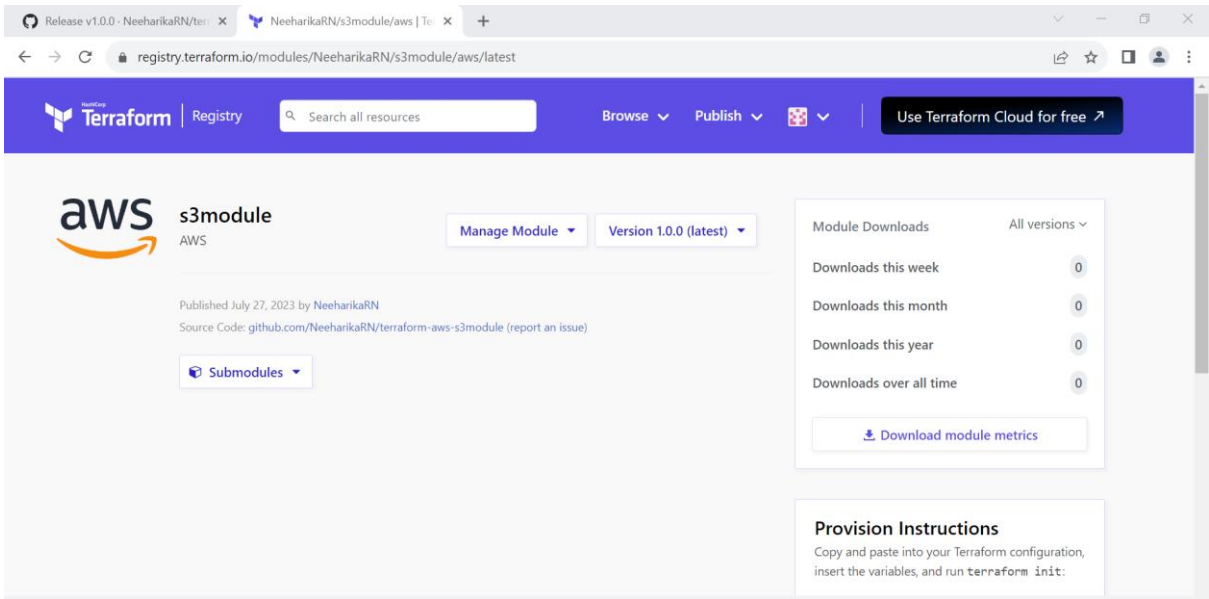
	
2	<p>Click on Publish and Choose Module.</p> 
3	<p>Click on the drop-down arrow and select the module which you want to publish.</p> 
4	<p>After selecting module , check the box “I agree to the Terms of Use” and Click on “Publish Module”.</p>

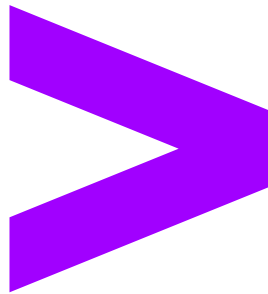
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After publishing module, you will be redirected to below page.





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