



Making Your Code Citable

🕒 10 minute read

Digital Object Identifiers (DOI) are the backbone of the academic reference and metrics system. If you're a researcher writing software, this guide will show you how to make the work you share on GitHub citable by archiving one of your GitHub repositories and assigning a DOI with the data archiving tool [Zenodo](#).

ProTip: This tutorial is aimed at researchers who want to cite GitHub repositories in academic literature. Provided you've already set up a GitHub repository, this tutorial can be completed without installing any special software. If you haven't yet created a project on GitHub, start first by [uploading your work](#) to a repository.

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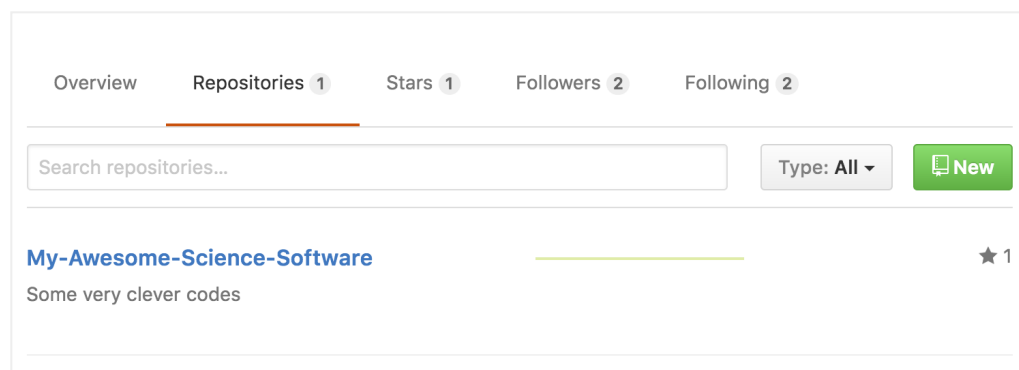
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Choose your repository

Repositories are the most basic element of GitHub. They're easiest to imagine as your project's folder. The first step in creating a DOI is to select the repository you want to archive in

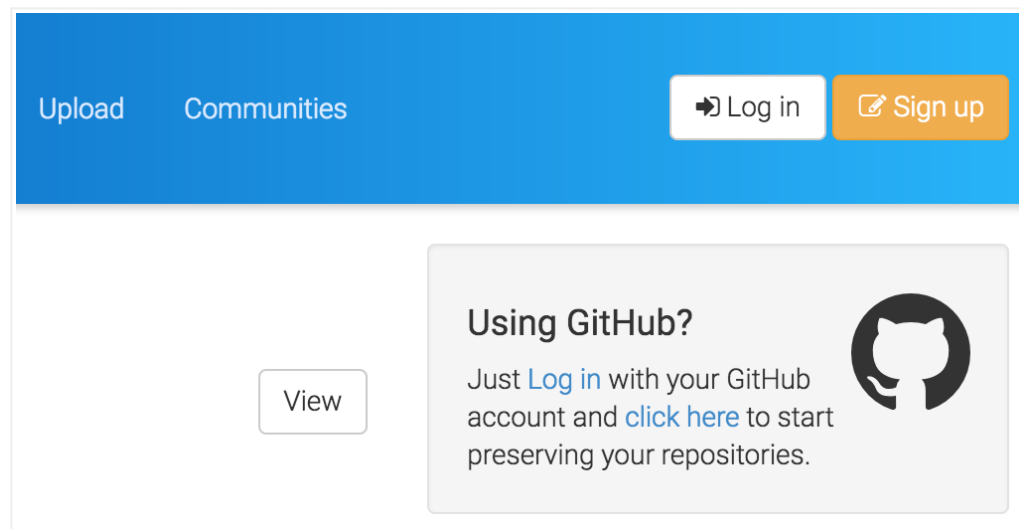
Zenodo. To do so, head over to your profile and click the **Repositories** tab.



Important! Make sure you tell people how they can reuse your work by including a license in your repository. If you don't know which license is right for you, then take a look at choosealicense.com.

Login to Zenodo

Next, head over to [Zenodo](#) and click the **Log in** button at the top right of the page, which gives you an option to login with your GitHub account.





Zenodo will redirect you back to GitHub to ask for your permission to share your email address and the ability to configure [webhooks](#) on your repositories. Go ahead and click **Authorize application** to give Zenodo the permissions it needs.


Important! If you want to archive a repository that belongs to an organization on GitHub, you will need to make sure that the organization administrator has enabled [third-party access](#) to the Zenodo application.


Authorize application


ZENODO by @zenodo would like permission to access your account



Review permissions

**Personal user data**
Email addresses (read-only)

**Repository webhooks and services**
Admin access

**Organizations and teams**
Read-only access

ZENODO

Software Preservation Made Simple

[Visit application's website](#)

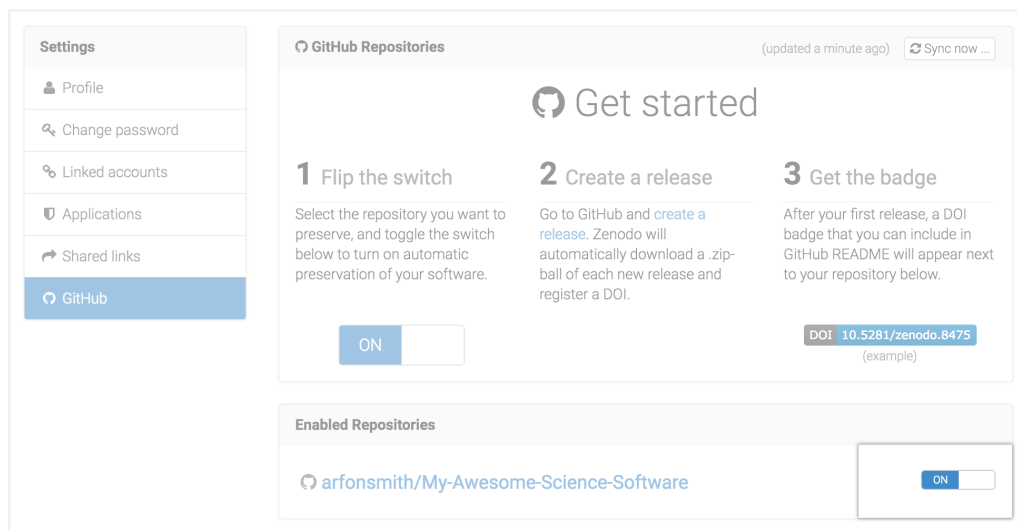
[Learn more about OAuth](#)

Authorize application

Pick the repository you want to archive

At this point, you've authorized Zenodo to configure the repository webhooks needed to allow for archiving and DOI-issuing. To enable this functionality, simply click the **On** toggle button next to your repository (in this case **My-Awesome-Science-Software**).

Important! Zenodo can only access your public repositories so make sure the repository you want to archive is [public](#).



Check repository settings

By enabling archiving in Zenodo, you have set up a new webhook on your repository. Click the settings tab on your repository, and then click 'Webhooks' in the left-hand menu. You should see something like the image below, which shows a new webhook configured to send messages to Zenodo.

□

Create a new release

By default, Zenodo takes an archive of your GitHub repository each time you create a new [Release](#). To test this out, head back to the main repository view and click on the **releases** header item.

□

Unless you've created releases for this repository before, you will be asked to **Create a new release**. Go ahead and click this button and fill in the new release form.

□

If this is the first release of your code then you should give it a version number of `v1.0.0`. Fill in any release notes and click the **Publish release** button.

□

Checking everything has worked

Creating a new release will trigger Zenodo into archiving your repository. You can confirm that this process took place by clicking the **Upload** tab in your Zenodo profile. You should see a new upload in the right-hand panel.

□

Minting a DOI

Before Zenodo can issue a DOI for your repository, you will need to provide some information about the GitHub repo that you've just archived.

Once you're happy with the description of your software, click the **Publish** button at the bottom of the Zenodo form, and voilà, you've just made a new DOI for your GitHub repository!

□

Finishing up

Back on your [Zenodo GitHub page](#) you should now see your repository listed with a shiny new badge showing your new DOI!

ProTip: If you really want to show off, then right click on the gray and blue DOI image and copy the URL and place it in your README on your GitHub repo.

□

Last updated October, 2016



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Powerful collaboration, code review, and code management for open source and private projects.