

Using GitHub Pages in github.ncsu.edu

Overview

[GitHub Pages](#) is the web page hosting service included in GitHub.com and NC State's GitHub Enterprise service maintained by ITECS. By default, GitHub Pages are limited to 1 GB per project, although ITECS may impose other limitations.

When creating a website using NC State's GitHub Enterprise service (described below), the website will be behind the github.ncsu.edu LDAP authentication. As a result, GitHub Pages has a fairly narrow use case:

- Static HTML websites (plus CSS and JS)
- Only available to a campus audience

With these limitations, GitHub Pages may be a viable replacement for the www4 service for use cases like:

- Learning to use HTML is a course or assignment objective (and student projects do not need to be visible to the world)
- Instructors want to provide a hand-coded web page resource to students (and understand that the resource is only available to a campus audience)

Additional advantages:

- No FTP client is required
- Web pages can be created and edited entirely from the browser (no additional software required, although some users may benefit from using GitHub Desktop or the command line)
- Web pages can be built collaboratively
- Students who use GitHub Pages to build their websites will be exposed to version control

NOTE: This document describes using GitHub Pages in NC State's internally-facing [github.ncsu.edu](#) service.

Similar websites can be built using GitHub.com, which is a private company not affiliated with NC State. You can [read more about GitHub Pages on GitHub.com](#).

Example GitHub Pages Website

1. Visit github.ncsu.edu and log in with your **Unity ID and password**.
2. [Create a new GitHub repository](#). The name you give your repository will determine what the URL for your website will be.

Repositories can be owned by [an individual user or by a GitHub “organization”](#) (read: user group). For some use cases (eg. collaborative class projects), organizations may be a useful option.

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner

 oitedesign ▾

Repository name

gh-pages-example ✓

Great repository names are short and memorable. Need inspiration? How about **stunning-sniffle**.

Description (optional)

Example of a GitHub Pages static HTML website



Public

Any logged in user can see this repository. You choose who can commit.



Private

You choose who can see and commit to this repository.

☒ **Initialize this repository with a README**

This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: **None** ▾

Create repository

3. Write your index.html file and commit it to your [GitHub repository](#).
4. Go to your repository settings and scroll down to the section labeled “GitHub Pages.”
5. Under “Source,” select the branch containing your web files (in this example, it's the **master** branch). Save your choice.

GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

✓ Your site is published at <https://pages.github.ncsu.edu/oitdesign/gh-pages-example/>

Source

Your GitHub Pages site is currently being built from the master branch. [Learn more.](#)

master branch ▾

Save

Overwrite site

Replace your existing site by using our automatic page generator. Author your content in our Markdown editor, select a theme, then publish.

Launch automatic page generator

6. Your website is now published. Your URL will be:

<https://pages.github.ncsu.edu/<username/organization>/<projectname>/>

For this example, you can view the website at:

<https://pages.github.ncsu.edu/oitdesign/gh-pages-example/>

7. Any additions/changes made to the files in your GitHub repository (in the branch selected) will be published to your website.