# Github Pages

## Evaulation report

GitHub Pages is a static site hosting service that takes HTML, CSS, and JavaScript files directly from a GitHub repository, runs them through a build process if desired, and then publishes a website.

In the GitHub Pages examples collection, you can see examples of GitHub Pages sites.

You can use GitHub's github.io domain or your own custom domain to host your site. Its quick easy and painless and requires not much thought than opening a repository through GitHub than uploading it through the settings.

**Pros:**

* **The price is right. Its free to use from a basic standpoint. You** click and upload with no hidden costs. There are data limits and a few other restrictions but in the most term is free.
* **Security and reliability** are important for personal web hosting, but many would agree that it’s essential for business. you can count on GitHub Pages to reliably host your personal and business sites, and to give you secure access for configuration and content management.
* **You will also experience simple, flat-file content management.** Your content isn’t hidden behind a proprietary web-based tool. Rather, you take full control of everything as simple text files.

**Cons:**

* **Your website will be static**. which is the big limitation. If you’re used to running lots of dynamic WordPress plugins, then you’ll need to reorient your design for static hosting.
* **if anything goes wrong, you’re on your own.** All the data and repositories areyour own and you are responsible for the handling of the data.

## personal thoughts

Very intuitive and easy to use, if you don’t have much experience uploading but know how to use GitHub. I could see this being very beneficial. You must have some what experience with setting up repositories and the like though.

# Netlify

## Evaulation report

Netlify connects to your GitHub repository and executes a build process to generate static HTML for all your pages Netlify builds its own repository and microservices, which it pushes to GitHub. It then runs and distributes material across a large Cloud network to provide users with pre-built static websites.

It's a simple way to publish static webpages through a gateway where you can upload your own data and manage it all from one place.

**Pros:**

* **Easy to deploy.** As easy as creating an account, you can just directly upload your files and publish it within a few clicks. It could be fastest option on the market.
* **Free for personal websites.** If you are an independent or just using it for personal use, it’s all free!
* **Fastest static hosting and continuous deployments.** As it says, you can’t beat the speed of Netlify.

**Cons:**

* **Data limits to free users**. With the restriction on how much you can upload you may run out of space to put your data depending on your needs.

## personal thoughts

As simple as drag and drop, you can just create an account and it works. Its not very detailed in anything besides that so if you had certain requirements you would have to use something more complex. Overall, very easy to understand and use.

# s3 bucket

## Evaulation report

Also known as Amazon s3 (Amazon Simple Storage Services) is an object storage service offering industry-leading scalability, data availability, security, and performance. Amazon S3 bucket is a public cloud storage resource available in Amazon Web Services' (AWS) Simple Storage Service (S3), an object storage offering. Amazon S3 buckets, which are like file folders, store objects and publish content.

**Pros:**

* **Extensive documentation**. Not only API Reference guides but also tutorials and videos to perform every possible task
* **Stability and peace of mind**. Amazon S3 is not going to close anytime soon
* **Easy to integrate with other AWS products** much like other big brand studios, you can easily access and collaborate with other types of software amazon offers.

**Cons:**

* **they require the “AWS Support Plan,” which it’s billed separately** (around 29 USD per month).
* **It has a complex pricing schema**. Even more complex when we use the Glacier storage class that has both retrieval time and cost per request.
* For beginners using the web interface, it might be “not so intuitive” to set up bucket permissions as **it requires configuring additional AWS services**

## personal thoughts

AWS S3 ticks all the boxes if you have a larger pool of needs and requirements. It can be a little overwhelming at first to use, but once you figure out what you are doing it is very detailed in its deployment. You can get many customizable features to your website. Overall, the speed which it uploaded up I could access it would much faster.

### Use cases – GitHub Pages

* It’s great for intermediate users who have a moderate idea about how publishing works, once you know how to use a repository it can be as easy as a click of a button to upload
* Small number of customizable features that allow for a tailored finished product
* If you just want to upload a website and not pay, it’s a great service

### Use cases – Netlify

* A quick and easy deploy method which is highly intuitive and fast to set up
* As easy as create an account and upload your files
* Can link to GitHub to access all your repositories

### Use cases – AWS S3

* Ease of migration across all AWS products allowing users to get full control of their project
* Reliable security of data to keep all your data secure
* Super customizable allowing users to make changes quickly and efficiently on the go
* Cost effective plans allowing users to customize what they need and don’t

### References

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