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How I Hosted A Website on S3

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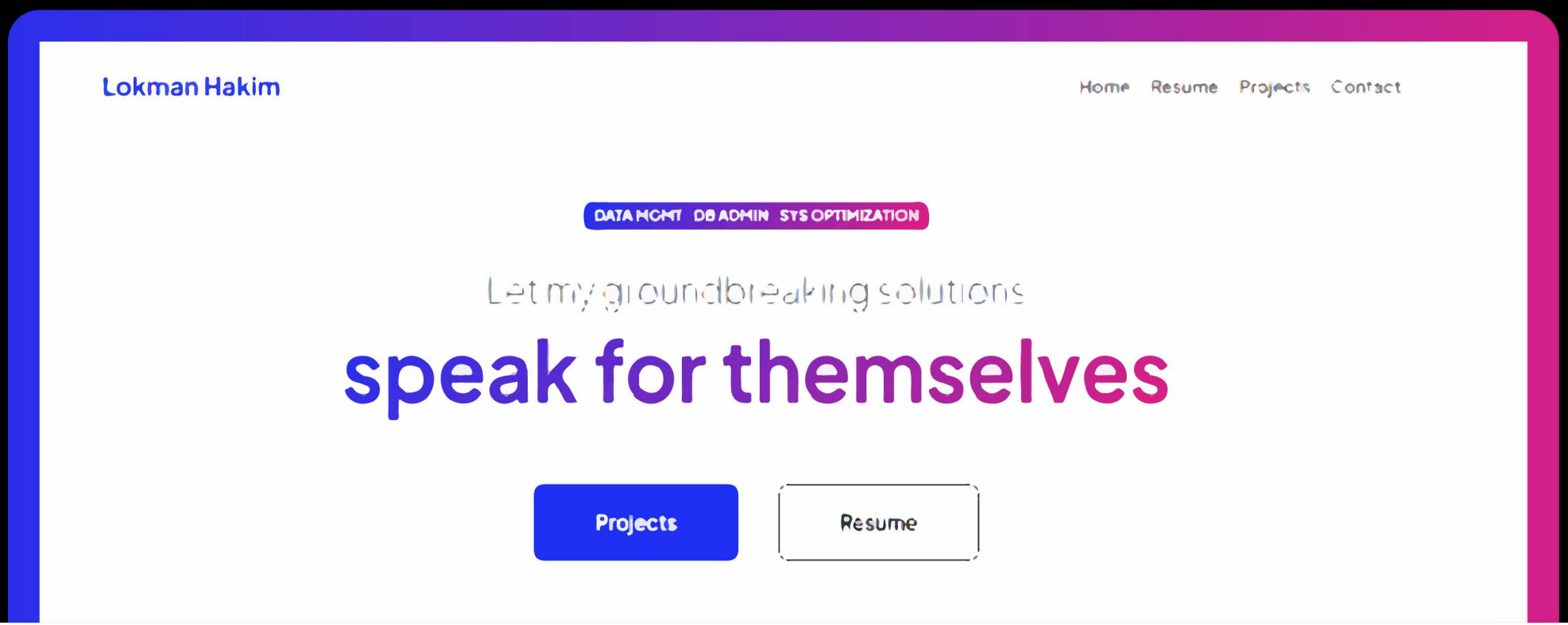

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Introducing Amazon s3!

What is it all about?

Amazon S3, offered by Amazon Web Services, is a reliable and flexible object storage solution. Developers and teams choose Amazon S3 for its exceptional durability and secure cloud storage. It features low-latency, high availability, and robust security, making it a top choice for web storage needs.

How do I using it in today's project

For this project, I'm using Amazon S3 to host my first static website.

This project took me....

For this project, I'm using Amazon S3 to host my first static website. It should take around half an hour to complete, as the HTML and CSS are already written. I'll just need to upload the files into the S3 bucket.

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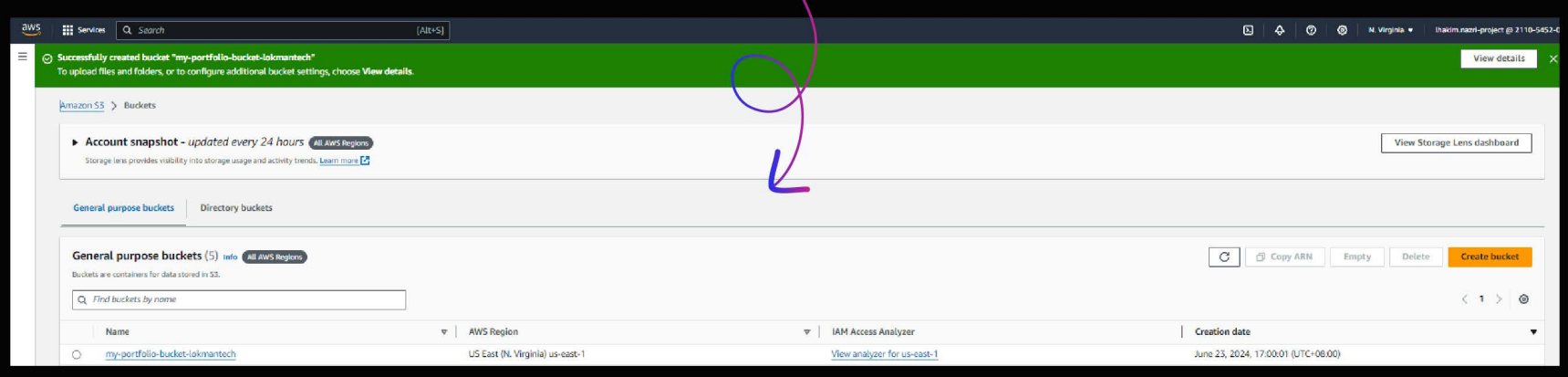
Create an S3 bucket

- Creating an Amazon S3 bucket took me only few minutes
- Some of the configuration steps include:
    - IAM account: created designated IAM user account, avoid to use root account for security measures.
    - The bucket's Region: Regions that are geographically separate, chosen based on proximity.
    - Enabling Bucket versioning, allowing to rollback if anything happens.
    - Chose wheather public or private version. Since this website I intentionally for public display, I've cleared the checkbox for "Block
      all public access" in the settings for the bucket. And enabling the ACLs function.
    - Amazon make it S3 bucket naming unique, write wisely, can't be changed in the future.

my bucket



view bucket setting

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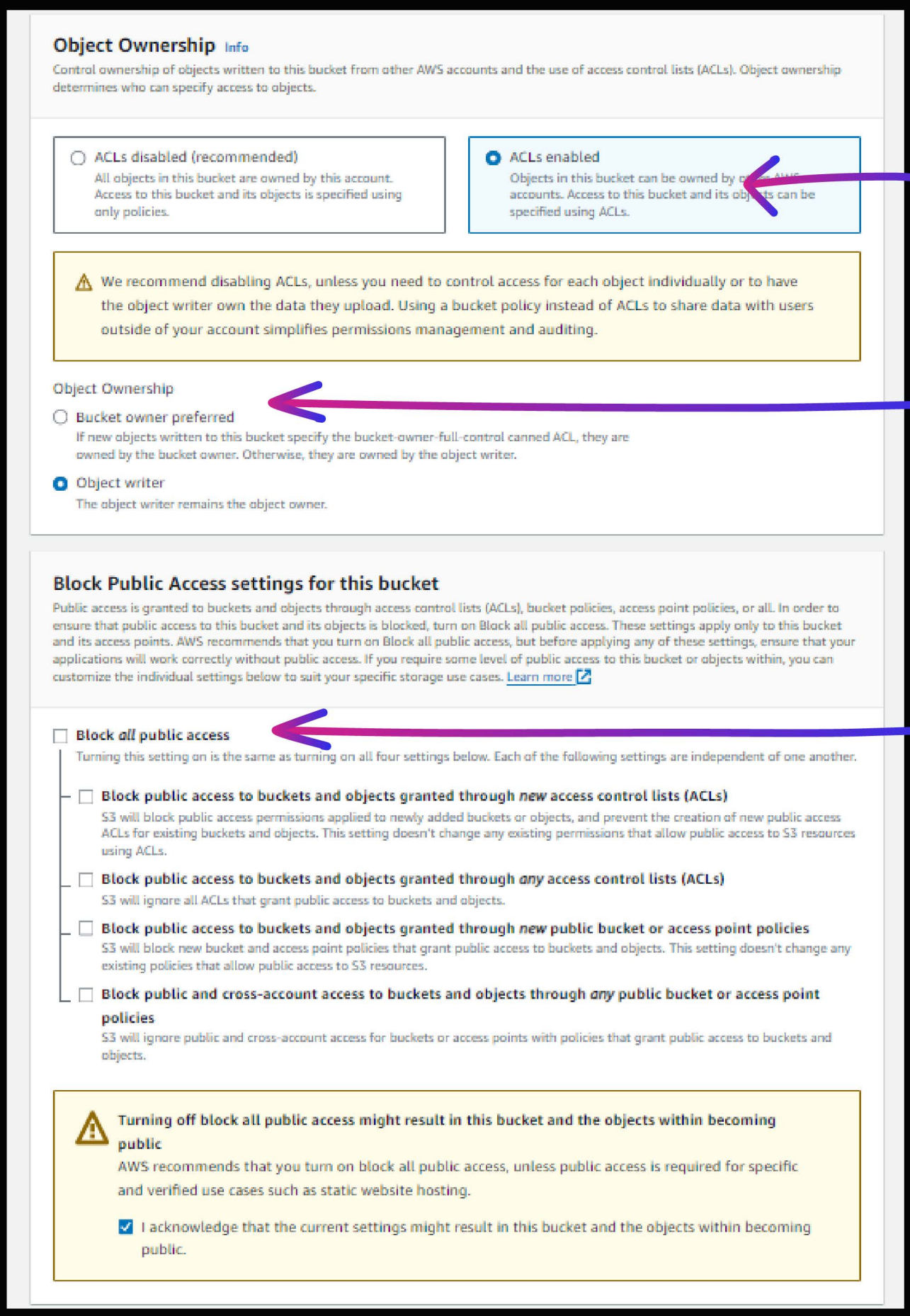
bucket setting (for public view)



Enabling ACLs

Choose the Object Ownership

Unchecked the "Block all public access"

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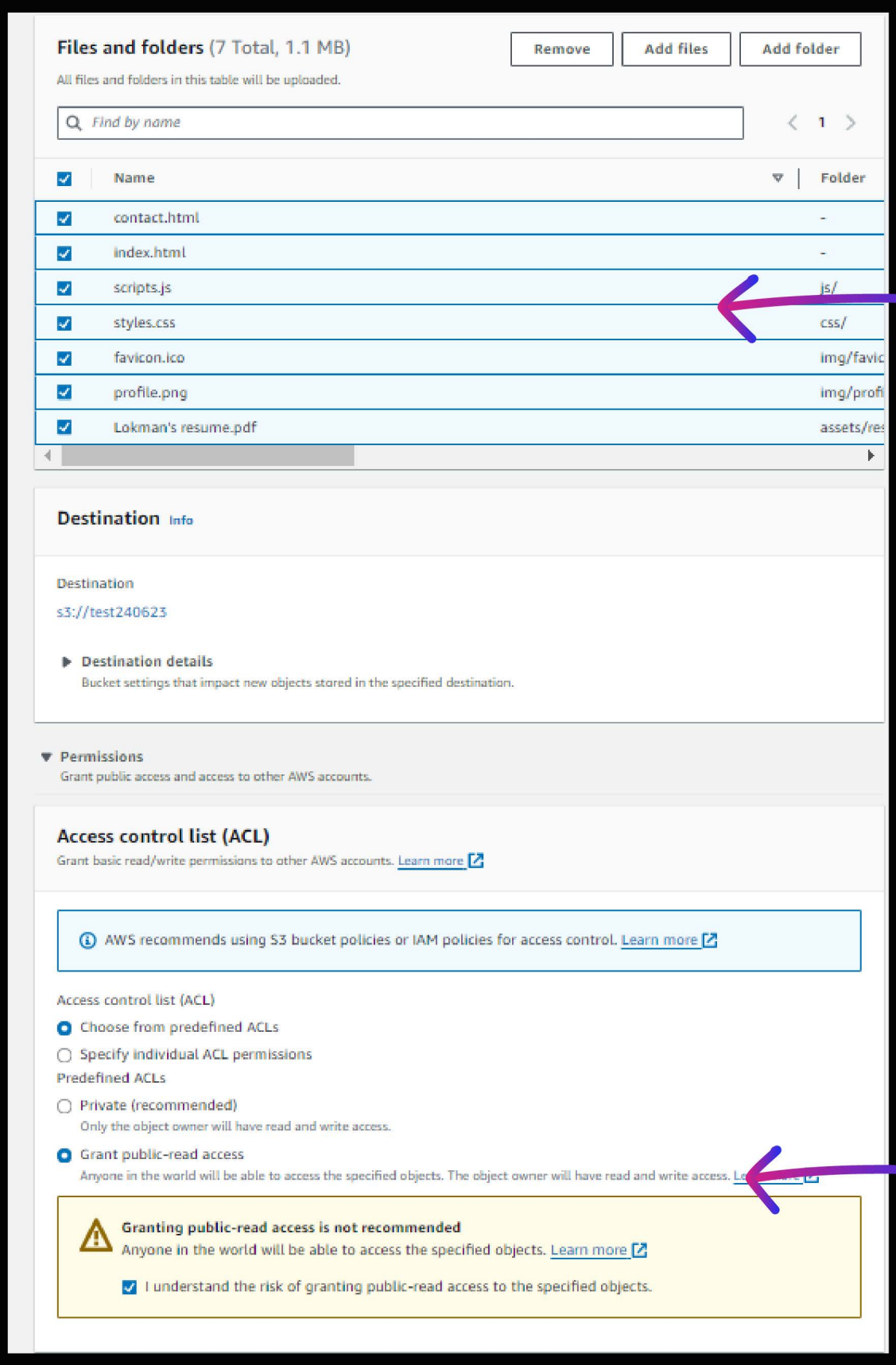
Upload website files to S3

- Next, I uploaded my website's files into my S3 bucket.

- The files uploaded: "index.html" serves as the home page for the website and the folder holds all needed resources like CSS styling, JavaScript for full website display and images.



selecting the uploaded files

"Grant public-read access"

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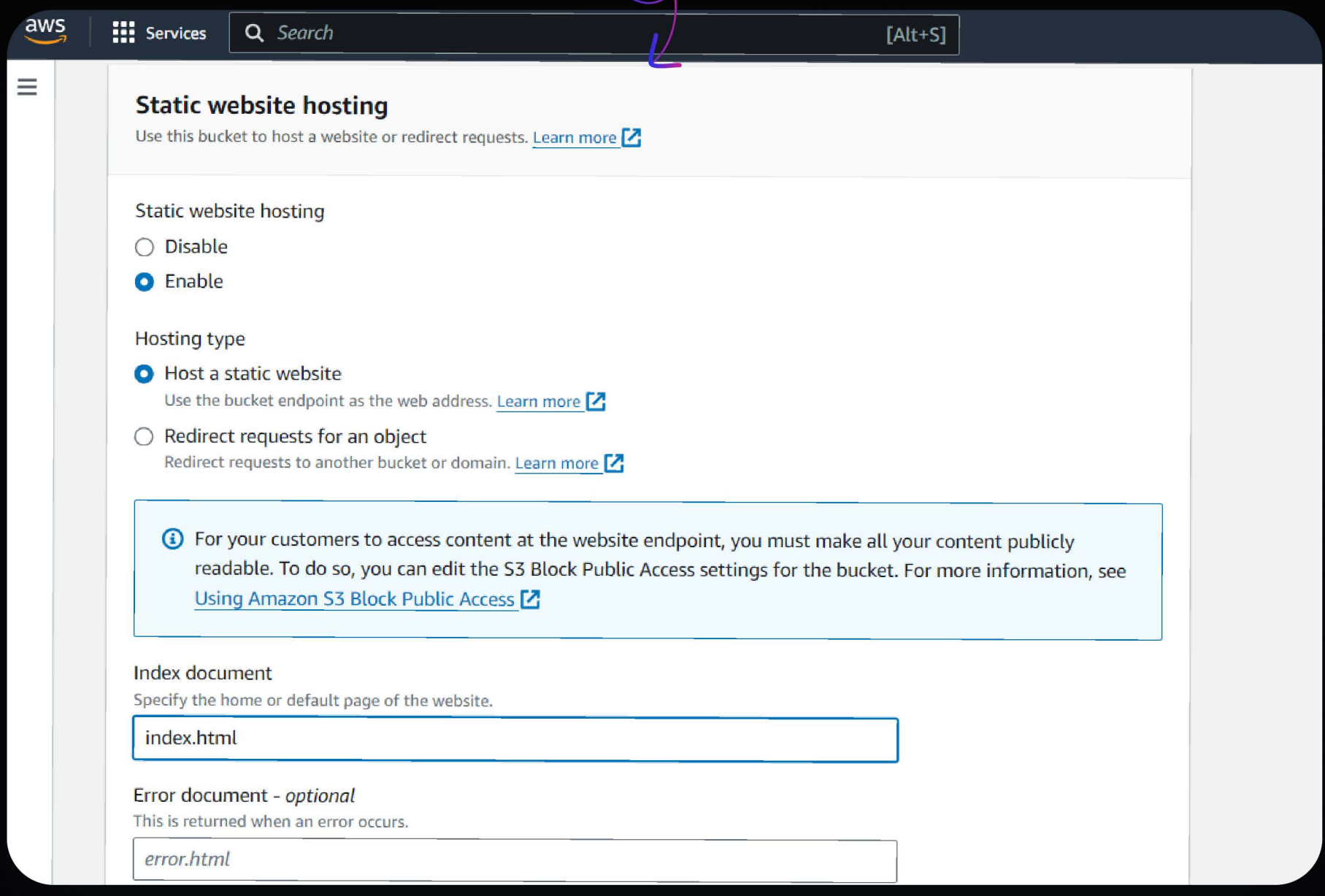
Static web hosting on S3

- Website hosting involves placing your HTML and related files on a web server so they can be accessed online.

- To enable website hosting for my project, I selected "Host a static website" (since the site doesn't fetch any data) and specified "index.html."

- Once the static website is enabled, S3 generates a bucket endpoint URL. This URL serves as the address for accessing the content stored on the web server.

Setting up static website hosting.



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That’s it! my website was up and running.