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Host a Website on Amazon S3



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Introducing Today's Project!

What is Amazon S3

Amazon S3 is an object storage service that offers industry-leading scalability, data availability, security, and performance. You can use Amazon S3 to store and retrieve any amount of data at any time, from anywhere.

How I used Amazon S3 in this project

I created a bucket in Amazon S3, then I configured a static website on Amazon S3, then I used ACLs to make objects in your S3 bucket public

One thing I didn't expect in this project was...

Making a cool website using just AWS

This project took me...

1-2 hours



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How I Set Up an S3 Bucket

5 minutes

The Region I picked for my S3 bucket was US West (Oregon) us-west-2 because I live in Seattle, Washington so that region is closest to me

S3 bucket names are globally unique! This means each bucket name must be unique across all AWS accounts in all the AWS Regions within a partition.





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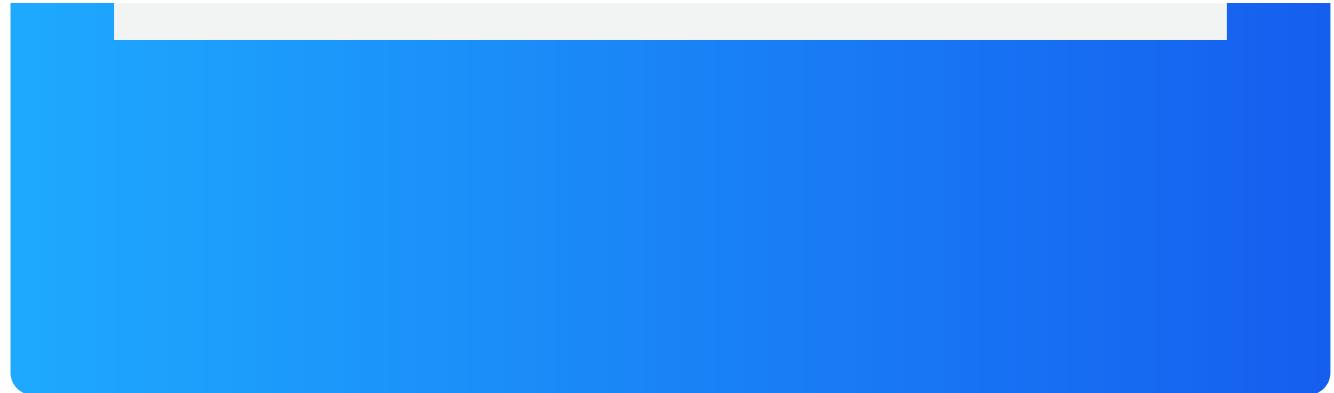
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Upload Website Files to S3

index.html and image assets

I uploaded two files to my S3 bucket - they were index.html and Nextwork-Everone should be in a job they love_files/

Both files are necessary for this project as one is ia index for the other Nextwork files we need.



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Static Website Hosting on S3

Website hosting means storing your HTML file (and the other files for your website) on a web server, so it's accessible online.

To enable website hosting with my S3 bucket, I created a URL that will take anyone to a page that displays the HTML file I just uploaded on a web server so it's accessible online.

Access Control Lists (ACL)

An ACL is a set of rules that decides who can get access to a resource. I enabled ACLs.

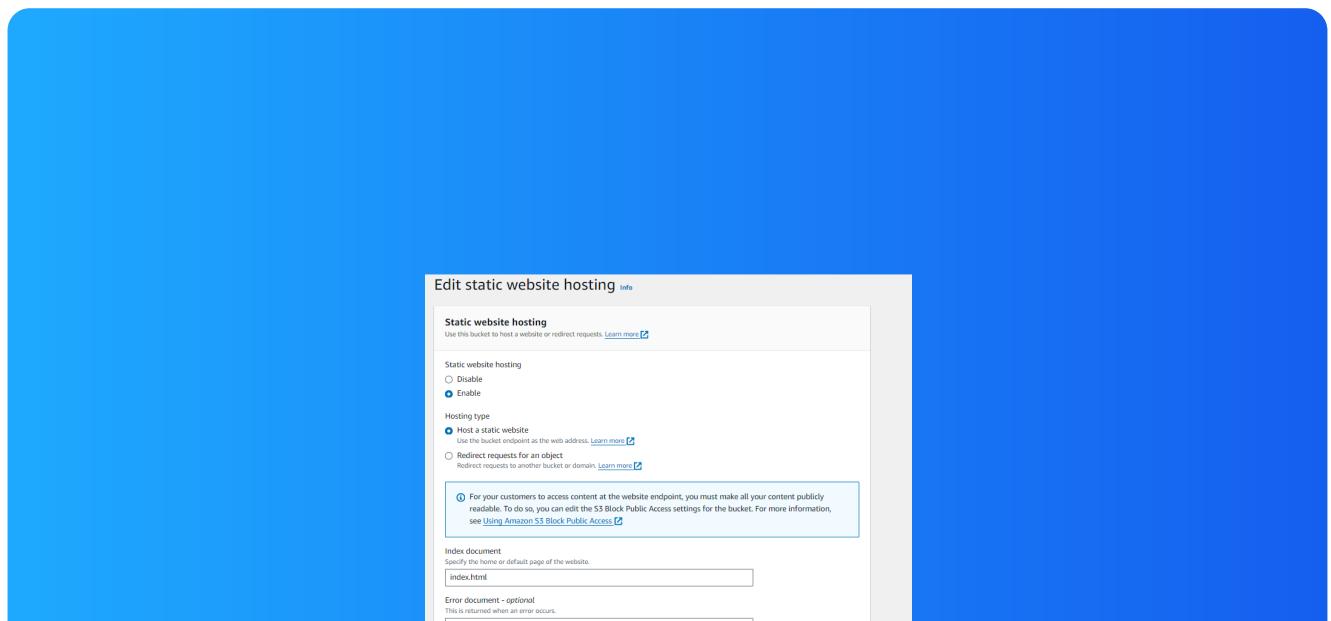


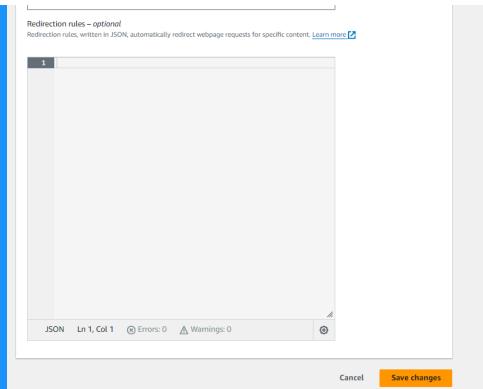
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Bucket Endpoints

Once static website is enabled, S3 produces a bucket endpoint URL, which is the URL of the entry point for an AWS web service.





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An error!

When I first visited the bucket endpoint URL, I saw "403 Forbidden" error

The reason for this error was even if your bucket (objects that you uploaded, the html file, the folder of website contents) is still public. That's why the access is denied to the HTML file.

403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: Q3KWX0R88VBGBPCG
- HostId: J+5E9YGWv7oe8Gus1OfnGJxNvBZemSsJYkf3DKI+xtM8xBm0g5w4VDHnUks7x/Jgh23pLQ6mN50=

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Success!

To resolve this connection error, I made the ACL public and reuploaded the files from the correct destination

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