



NextWork.org

Host a Website on Amazon S3



DAULAT SINGH CO21530

The screenshot shows the homepage of NextWork.org. At the top, there's a dark header with the "NEXTWORK" logo. Below it, a large, bold, white text reads "EVERYONE SHOULD BE IN A JOB THEY LOVE" with a blue heart icon. Underneath this, there's a horizontal row of small circular images showing various animals like lions, giraffes, and monkeys. Below these images, the text "Building the best online learning experience to switch careers and upskill." and "Starting with AWS certifications." is visible. At the bottom, there's a form with a placeholder "Enter your email" and a blue "Join waitlist" button.



DAULAT SINGH CO21530

NextWork Student

NextWork.org

Introducing Today's Project!

What is Amazon S3

amazon S3 is a SIMPLE STORAGE SERVICE which provide a online storage to the user which is like using a second computer

How I used Amazon S3 in this project

I hosted a web page on S3 bucket and made it public using ACL

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

running into unexpected errors is normal and teaches a lot

This project took me...

30 minutes



DAULAT SINGH CO21530

NextWork Student

NextWork.org

How I Set Up an S3 Bucket

5 minutes

london region

globally unique means that the bucket name should be unique because on global level only bucket names can be used only once unless it is deleted from the earlier.

The screenshot shows the AWS S3 console interface. At the top, there are two tabs: "General purpose buckets" (which is selected) and "Directory buckets". Below the tabs, a header bar includes "General purpose buckets (1) info All AWS Regions", a search bar, and buttons for "Copy ARN", "Empty", "Delete", and "Create bucket". The main content area displays a table with one row of data. The table has columns for "Name", "AWS Region", "IAM Access Analyzer", and "Creation date". The single row shows a bucket named "nextwork-website-project-daulat" in the "Europe (London) eu-west-2" region, with a link to "View analyzer for eu-west-2" and a creation date of "September 2, 2024, 23:01:32 (UTC+05:30)".

Name	AWS Region	IAM Access Analyzer	Creation date
nextwork-website-project-daulat	Europe (London) eu-west-2	View analyzer for eu-west-2	September 2, 2024, 23:01:32 (UTC+05:30)



DAULAT SINGH CO21530

NextWork Student

NextWork.org

Upload Website Files to S3

index.html and image assets

index.html , folder

index.html is the main page and the folder contains the other configuration files

Name	Type	Last modified	Size	Storage class
index.html	HTML	September 2, 2024, 23:11:56 (UTC+05:30)	58.8 KB	Standard
NextWork - Everyone should be in a job they love_files/	Folder	-	-	-



DAULAT SINGH CO21530

NextWork Student

NextWork.org

Static Website Hosting on S3

making the website available to anyone on the webserver who go the website page

To enable website hosting with my S3 bucket , I first visit my bucket page and then go the property tab and go the static website hosting and edit : hosting type and index document and enable it

Access Control Lists (ACL)

ACL is set of rules to decide who can get access to a resource.



DAULAT SINGH CO21530

NextWork Student

NextWork.org

Bucket Endpoints

it is the index.html page

The screenshot shows the 'Edit static website hosting' configuration page for a bucket named 'nextwork-website-project-daulat'. The 'Static website hosting' feature is enabled. Under 'Hosting type', the 'Host a static website' option is selected, which is highlighted with a blue border. A note below explains that customers must make all content publicly readable if they want to access it via the website endpoint. The 'Index document' field contains 'index.html', and the 'Error document - optional' field contains 'error.html'. There is also a section for 'Redirection rules - optional'.



DAULAT SINGH CO21530

NextWork Student

NextWork.org

An error!

an 404 forbidden error due to files being private

because the website index.html and other files are still private

403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: 24HNZQPMXQ39T8WH
- HostId: MnRqmrWbKj4BrZgX2qrX5sjI2QcZa85+wyArRDKuiUFpHa/ZTWdYSKyZZRWPtSArZICL7I2kK0=



DAULAT SINGH CO21530

NextWork Student

NextWork.org

Success!

by enable make acl public

NEXTWORK

EVERYONE SHOULD
BE IN A JOB THEY
LOVE

Building the best online learning experience to switch careers and upskill.
Starting with AWS certifications.

Enter your email



NextWork.org

Everyone should be in a job they love.

Check out nextwork.org for
more projects

