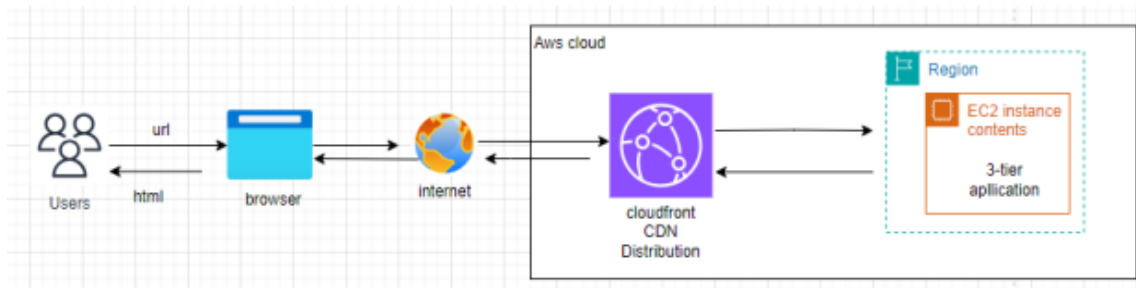


## CONNECTING S3 BUCKET TO CLOUDFRONT

**AMAZON S3** - Amazon S3 (Simple Storage Service) is a cloud-based service that allows you to store and retrieve files (like documents, images, and videos) over the internet. You can upload your files to S3, and they'll be safely stored in the cloud, where you can access them anytime, from anywhere.



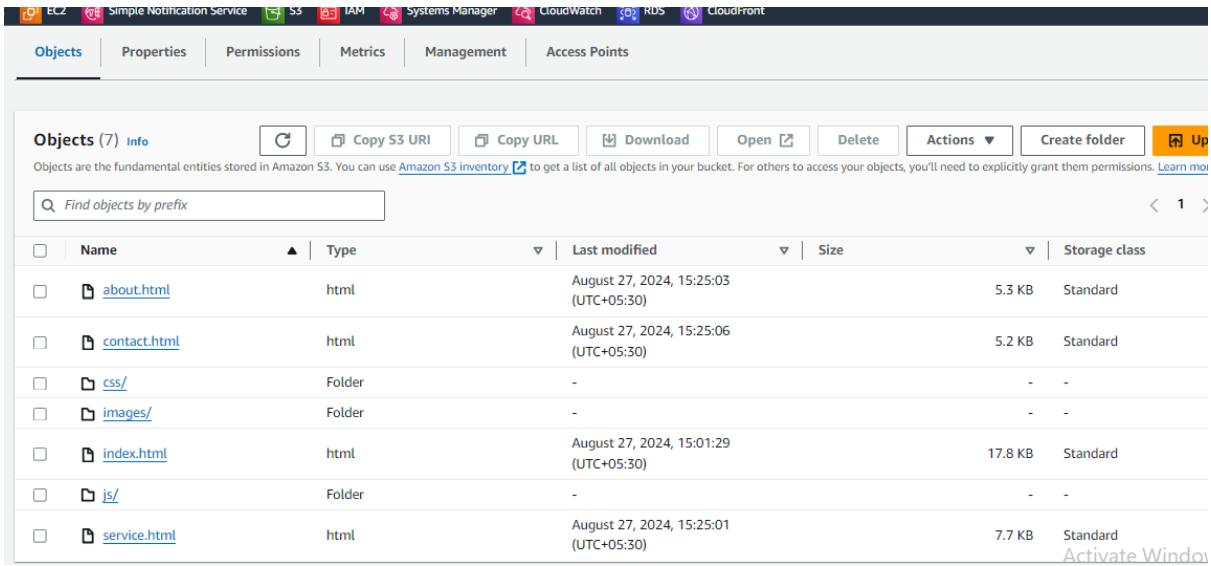
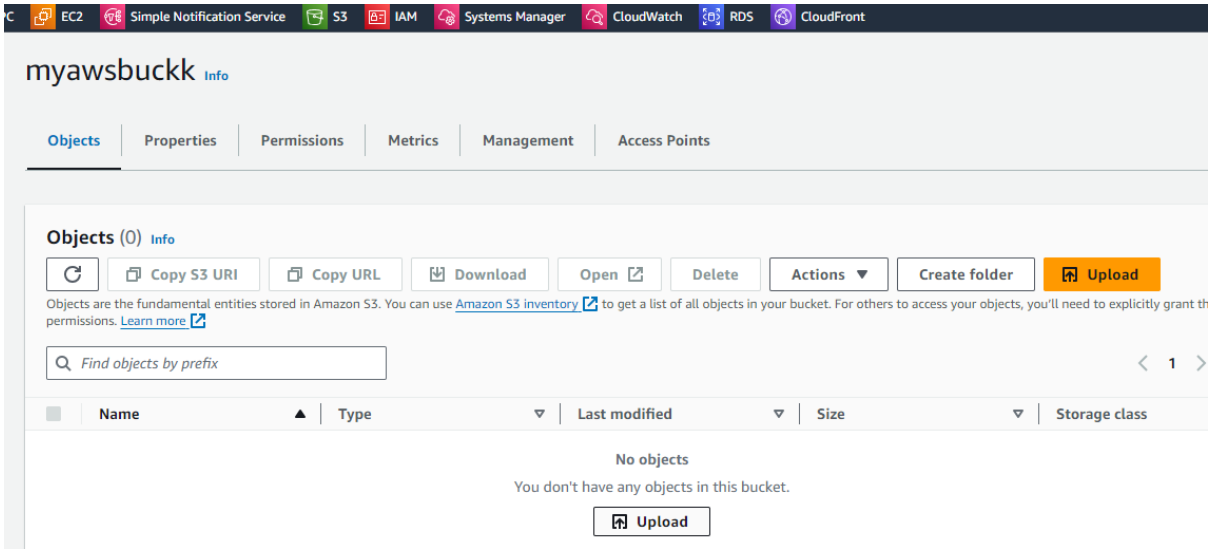
It's like a virtual hard drive that can grow as you need it and is accessible from anywhere.

### ❖ Creating amazon s3 bucket

The screenshot shows the Amazon S3 console interface. At the top, there's a navigation bar with various AWS services. Below it, a green banner says 'Successfully deleted bucket "test-sg-11111"'. The main content area has a dark blue header with 'Storage' and 'Amazon S3'. Below this, it says 'Store and retrieve any amount of data from anywhere'. A sidebar on the right contains a 'Create a bucket' section with a description and a 'Create bucket' button, and a 'Pricing' section with the text 'With S3, there are no minimum fees. You only pay for'.

The screenshot shows the 'Create bucket' page in the Amazon S3 console. The breadcrumb navigation at the top reads 'Amazon S3 > Buckets > Create bucket'. The main heading is 'Create bucket' with an 'Info' link. Below this, it says 'Buckets are containers for data stored in S3.' The 'General configuration' section is visible, showing 'AWS Region' as 'US East (N. Virginia) us-east-1' and 'Bucket type' as 'Info'. There are two radio button options for the bucket type: 'General purpose' (selected) and 'Directory - New'. The 'General purpose' option is described as 'Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.' The 'Directory - New' option is described as 'Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.'

- ❖ Download free-css templates from the internet.
- ❖ Uploading data in Bucket



## ❖ Making uploaded files public using ACL

The screenshot shows the AWS S3 console interface. On the left, a table lists objects in a bucket:

<input checked="" type="checkbox"/>	Name	Type	Last modified	Size
<input checked="" type="checkbox"/>	<a href="#">about.html</a>	html	August 27, 2024, 15:25:03 (UTC+05:30)	
<input checked="" type="checkbox"/>	<a href="#">contact.html</a>	html	August 27, 2024, 15:25:06 (UTC+05:30)	
<input checked="" type="checkbox"/>	<a href="#">css/</a>	Folder	-	
<input checked="" type="checkbox"/>	<a href="#">images/</a>	Folder	-	
<input checked="" type="checkbox"/>	<a href="#">index.html</a>	html	August 27, 2024, 15:01:29 (UTC+05:30)	
<input checked="" type="checkbox"/>	<a href="#">js/</a>	Folder	-	
<input checked="" type="checkbox"/>	<a href="#">service.html</a>	html	August 27, 2024, 15:25:01 (UTC+05:30)	

On the right, a context menu is open, showing various actions. The 'Make public using ACL' option is highlighted.

Calculate total size  
Copy  
Move  
Initiate restore  
Query with S3 Select  
Edit actions  
Rename object  
Edit storage class  
Edit server-side encryption  
Edit metadata  
Edit tags  
Make public using ACL

## ❖ Go to permissions

## ❖ Off block public access

### Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all p. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

#### Block all public access

Off

► Individual Block Public Access settings for this bucket

## ❖ Edit ACL give permission to list and read in everyone(public access)

The screenshot shows the 'Edit access control list (ACL)' page in the AWS S3 console. The breadcrumb navigation is: Amazon S3 > Buckets > myawsbucket > Edit access control list (ACL).

### Edit access control list (ACL) [Info](#)

**Access control list (ACL)**  
Grant basic read/write permissions to other AWS accounts. [Learn more](#)

Grantee	Objects	Bucket ACL
Bucket owner (your AWS account) Canonical ID: 38702aac6167131b93e090bad7cfd1e2e410f8cf7b96cd124e405a6096e29	<input checked="" type="checkbox"/> List <input checked="" type="checkbox"/> Write	<input checked="" type="checkbox"/> Read <input checked="" type="checkbox"/> Write
Everyone (public access) Group: <a href="http://acs.amazonaws.com/groups/global/AllUsers">http://acs.amazonaws.com/groups/global/AllUsers</a>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> List <input type="checkbox"/> Write	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Read <input type="checkbox"/> Write
Authenticated users group (anyone with an AWS account)	<input type="checkbox"/> List <input type="checkbox"/> Write	<input type="checkbox"/> Read <input type="checkbox"/> Write

## ❖ Make ACL enable in object ownership

### Object Ownership

Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

☐ **ACLs disabled (recommended)**  
All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.

☒ **ACLs enabled**  
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.

**⚠ We recommend disabling ACLs, unless you need to control access for each object individually or to have the object writer own the data they upload. Using a bucket policy instead of ACLs to share data with users outside of your account simplifies permissions management and auditing.**

**⚠ Enabling ACLs turns off the bucket owner enforced setting for Object Ownership**  
Once the bucket owner enforced setting is turned off, access control lists (ACLs) and their associated permissions are restored. Access to objects that you do not own will be based on ACLs and not the bucket policy.

☒ I acknowledge that ACLs will be restored.

Object Ownership

## ❖ Make website static using static website hosting

### Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting

Disabled

## CLOUDFRONT


Amazon CloudFront is a service that makes your website faster by delivering your content (like images and videos) from servers that are closer to your users around the world.

### CREATE CLOUDFRONT DISTRIBUTION

- ❖ Adding origin domain of awss3bucket

### Origin

Origin domain  
Choose an AWS origin, or enter your origin's domain name.

 This S3 bucket has static web hosting enabled. If you plan to use this distribution as a website, we recommend using the S3 website endpoint rather than the bucket endpoint.

Use website endpoint

Origin path - *optional*  
Enter a URL path to append to the origin domain name for origin requests.

- ❖ Make do not enable security protections (WAF)

Origin request

No association

Origin response

No association

Web Application Firewall (WAF)

Info

☐ Enable security protections

Keep your application secure from the most common web threats and security vulnerabilities using AWS WAF. Blocked requests are stopped before they reach your web servers.

☒ Do not enable security protections

Select this option if your application does not need security protections from AWS WAF.

Settings

Price class

Info

Choose the price class associated with the maximum price that you want to pay.

- ❖ Successfully created instance
- ❖ Wait till the deploying processs is done

[Alt+S]

Global

shivam @ 2111-2541

S3

IAM

Systems Manager

CloudWatch

RDS

CloudFront

CloudFront

Distributions

Distributions (1)

Info

Refresh

Enable

Disable

Delete

Create distribution

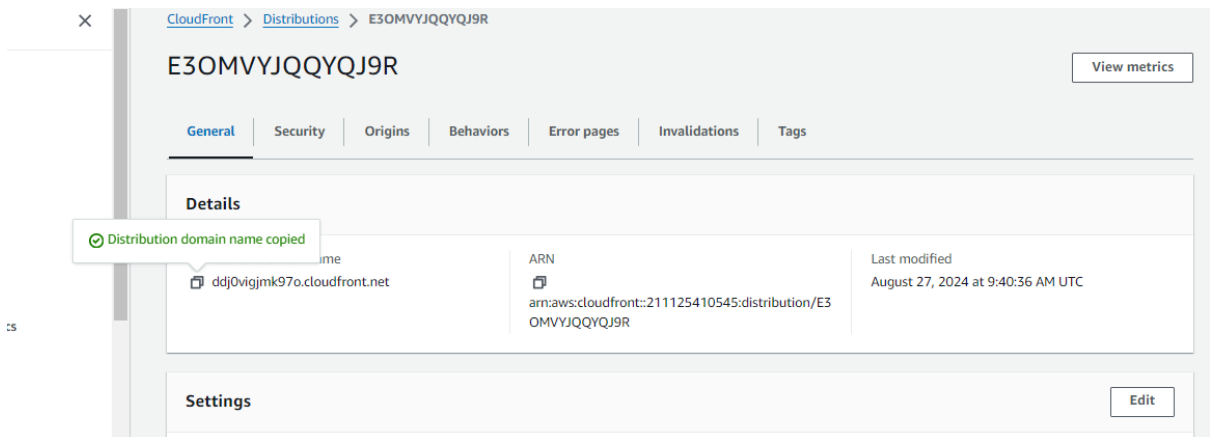
Search all distributions

< 1 >

Settings

<input checked="" type="checkbox"/>	ID	Descript...	Type	Domain ...	Alternat...	Origins	Status	Last mo...
<input checked="" type="checkbox"/>	E30MVYJQQYQJ9R	-	Production	ddj0vigjmk...	-	myawsbuckk.s3-	Enabled	Deploying

❖ Copy distributed domain name and search



❖ Successfully accessed the website

