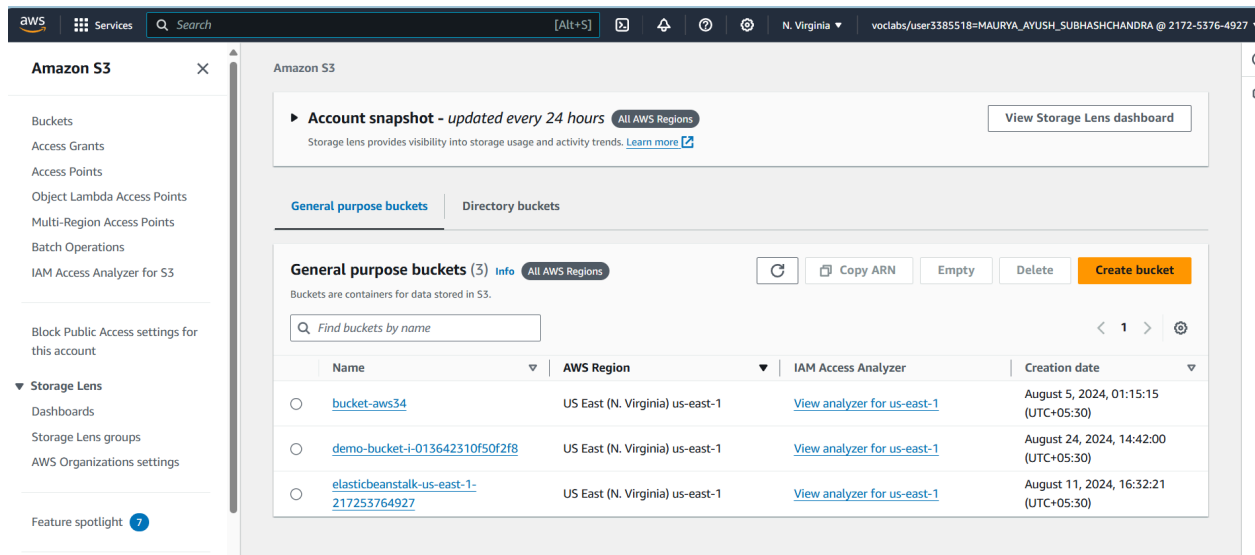
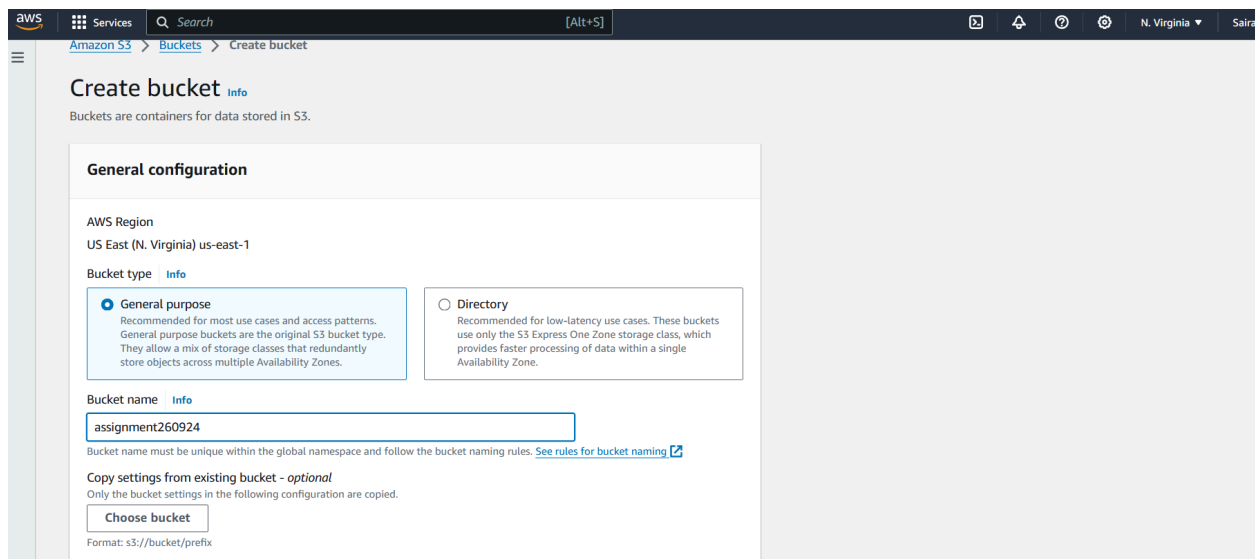


1) Use S3 bucket and host Video Streaming.

Open S3 Bucket In AWS services.



Click on create bucket. This will direct you to the bucket creation page.



It is better to block all public access so that unauthorized people do not use the video

Blocking the internet access even to any given storage was never [seen in AWS](#).

☒ **Block *all* public access**
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

- ☒ **Block public access to buckets and objects granted through *new* access control lists (ACLs)**
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
- ☒ **Block public access to buckets and objects granted through *any* access control lists (ACLs)**
S3 will ignore all ACLs that grant public access to buckets and objects.
- ☒ **Block public access to buckets and objects granted through *new* public bucket or access point policies**
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
- ☒ **Block public and cross-account access to buckets and objects through *any* public bucket or access point policies**
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

Bucket Versioning
Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

Bucket Versioning

☒ Disable

☐ Public

Maintaining the other options as default, click on Create bucket.

- After creating the bucket, follow these steps to upload your video: Click on the name of the bucket. This will redirect you to the **Objects** screen, displaying the contents of your bucket.

🟢 **Successfully created bucket "assignment260924"** View details
To upload files and folders, or to configure additional bucket settings, choose [View details](#).

[Amazon S3](#) > Buckets

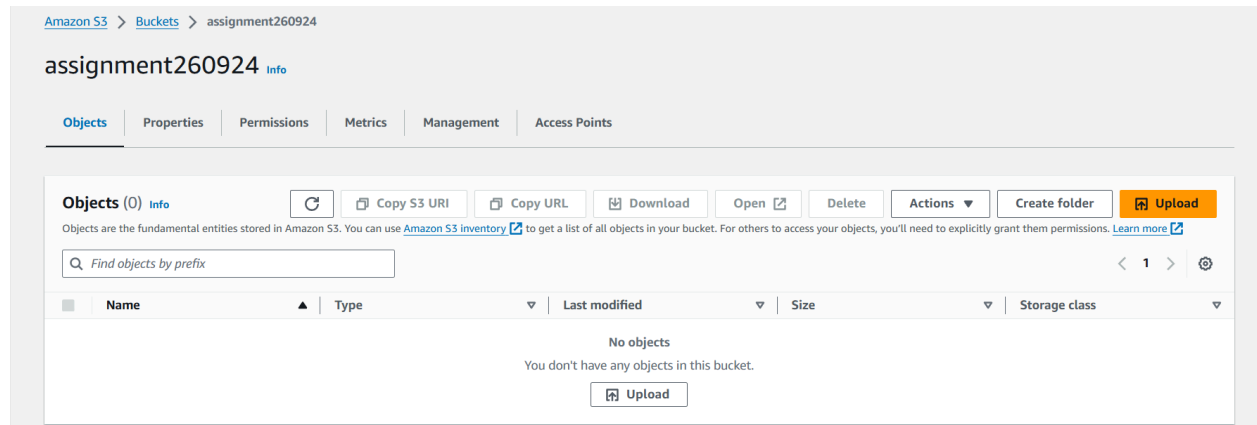
▶ **Account snapshot - updated every 24 hours** All AWS Regions View Storage Lens dashboard
Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

General purpose buckets | Directory buckets

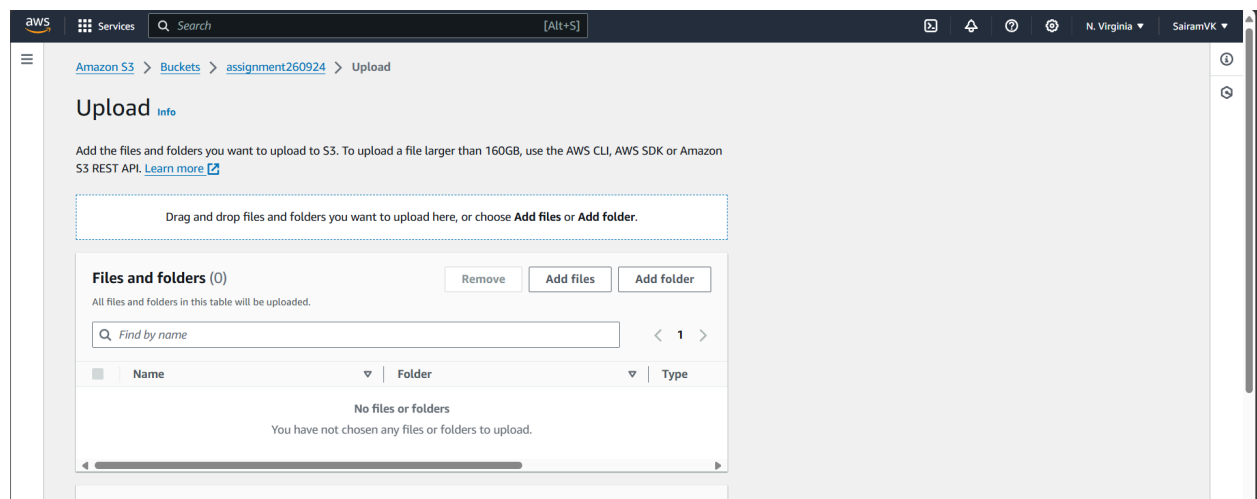
General purpose buckets (1) Info All AWS Regions Refresh Copy ARN Empty Delete Create bucket

Buckets are containers for data stored in S3.

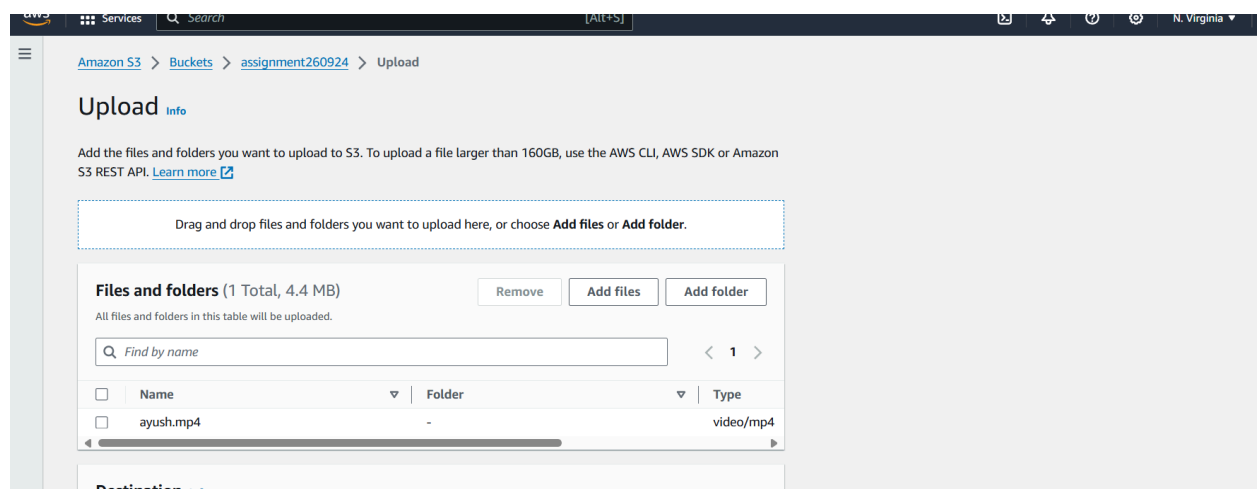
	Name	AWS Region	IAM Access Analyzer	Creation date
<input type="radio"/>	assignment260924	US East (N. Virginia) us-east-1	View analyzer for us-east-1	September 26, 2024, 18:28:02 (UTC+05:30)



Click on the **Upload** button.



You can either **Add files** or drag and drop your video file into the designated area. Make sure the file has an **.mp4 extension**, as we need to host a video.



Once selected, click **Upload** to start the uploading process.

The screenshot shows the AWS Management Console interface. At the top, there's a navigation bar with the AWS logo, 'Services', a search bar, and a user profile. Below this, a green banner indicates 'Upload succeeded' with a message 'View details below.' A light blue box below the banner states: 'The information below will no longer be available after you navigate away from this page.'

The main content area is divided into two tabs: 'Files and folders' (selected) and 'Configuration'. Under 'Files and folders', it shows 'Files and folders (1 Total, 4.4 MB)'. A search bar is present. Below the search bar is a table with the following columns: Name, Folder, Type, Size, Status, and Error.

Name	Folder	Type	Size	Status	Error
ayush.mp4	-	video/mp4	4.4 MB	Succeeded	-

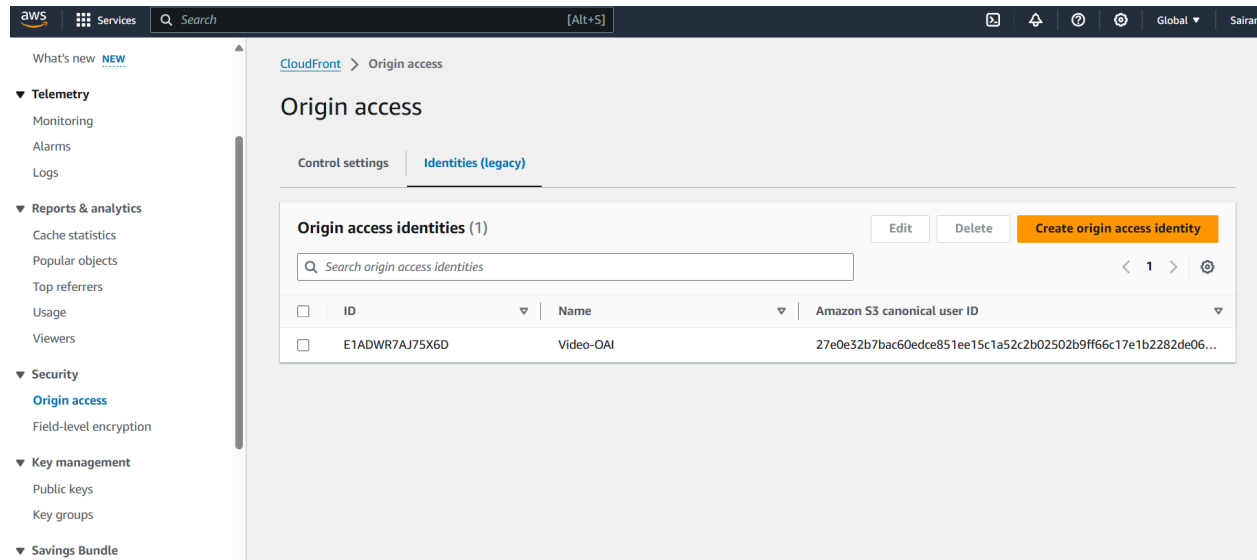
Step 2: Set up CloudFront

1) As the video is being uploaded. Search for CloudFront on the services tab and open it in a new tab

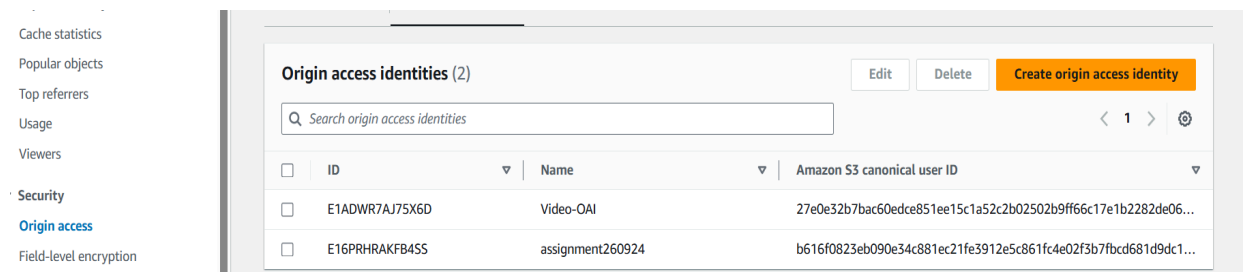
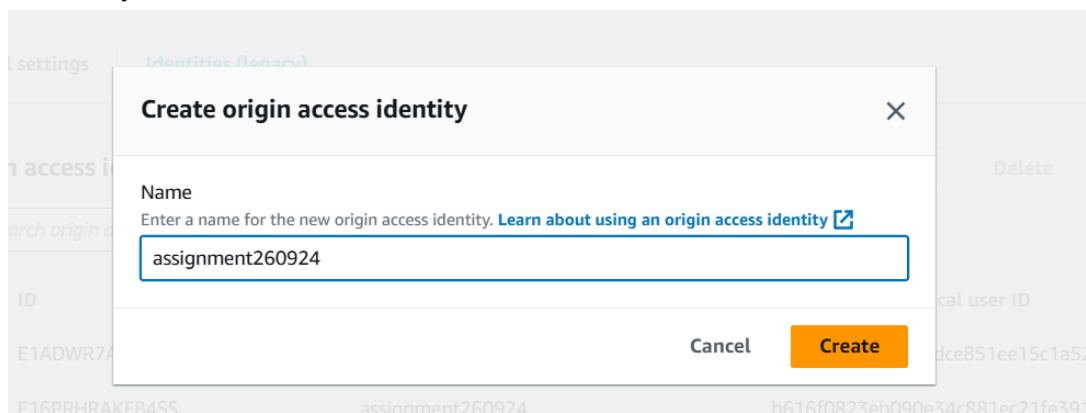
The screenshot shows the Amazon CloudFront service page. The header includes the AWS logo, 'Services', a search bar, and a user profile. The main heading is 'Amazon CloudFront' with the subtext 'Securely deliver content with low latency and high transfer speeds'. Below this, a brief description states: 'Amazon CloudFront is a fast content delivery network (CDN) service that securely delivers data, videos, applications, and APIs to customers globally with low latency and high transfer speeds.'

On the right side, there's a 'Get started with CloudFront' section with a button 'Create a CloudFront distribution'. Below this, there's an 'AWS Free Tier' section with a table showing '1 TB of data transfer out'.

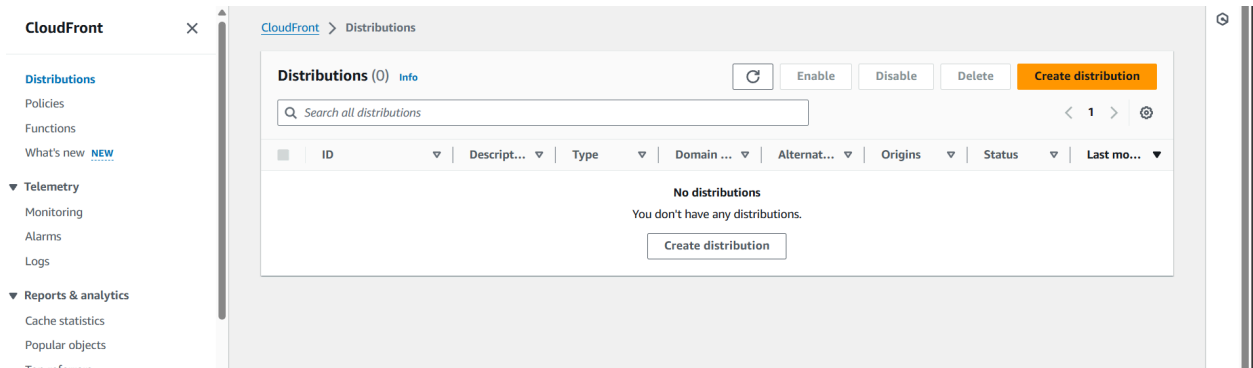
2) On the left pane, under security, you will find origin access. Click on it, then click on Identities (legacy). Click on Create origin access identity.



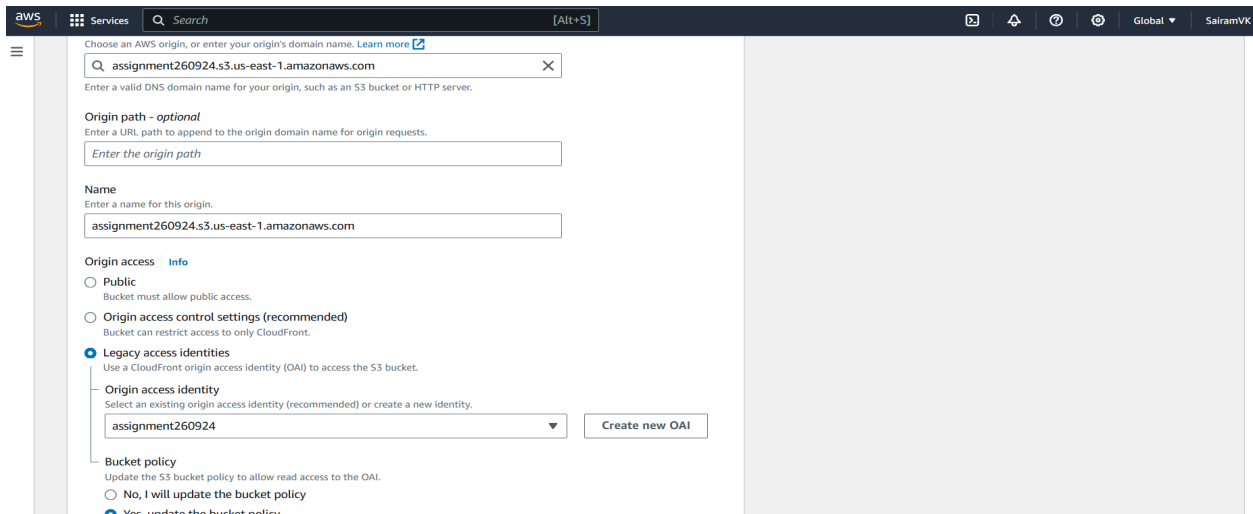
Give the identity a name and click in create.



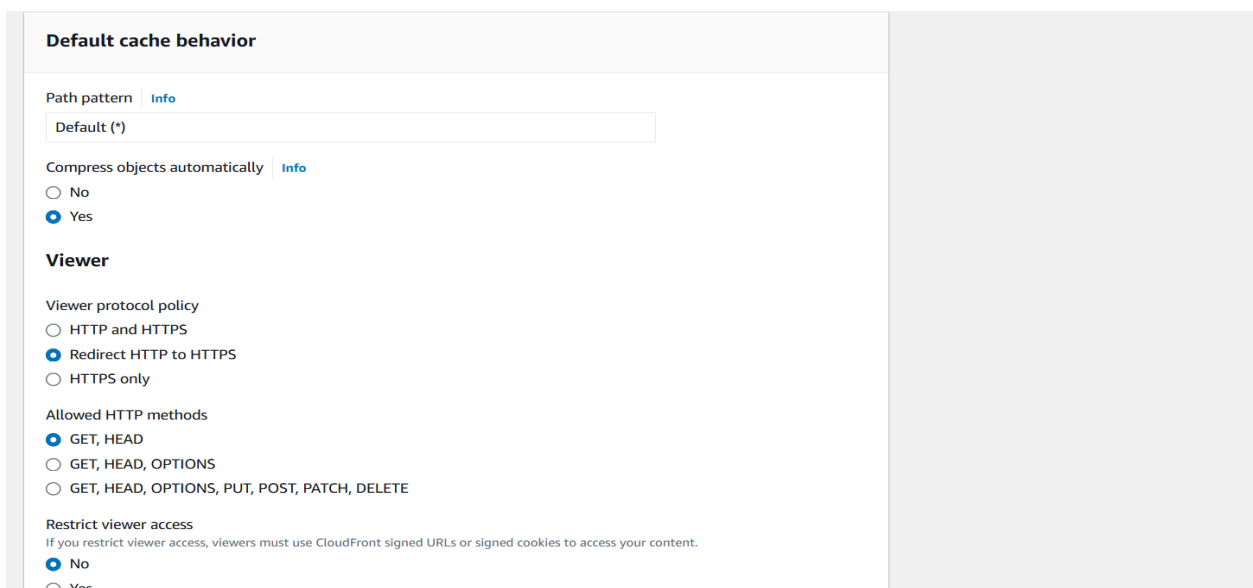
Now, go back to Distributions on the left pane and click on Create a CloudFront distribution.



3) Here, in the origin field, select the s3 bucket where the video is uploaded. Under Origin Access, select Legacy access identities. Here, under Origin access identities, select the identity that you have created. Under bucket policy, select Yes, update bucket policy.



In Default Cache behaviour, under viewer, select Redirect HTTP to HTTPS making the hosting secure.



Under Web Application Firewall, select Enable security protections to provide a layer of security.

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.

☒ **Use monitor mode**
Count how many of your requests would be blocked by this WAF configuration. When ready, you can disable monitor mode to begin blocking requests.

▼ Included security protections

- Protect against the most common vulnerabilities found in web applications.
- Protect against malicious actors discovering application vulnerabilities.
- Block IP addresses from potential threats based on Amazon internal threat intelligence

Price estimate

► This AWS WAF configuration is estimated to cost \$14 for 10 million requests/month

Keep remaining options as default and click on Create Distribution

Choose certificate: Request certificate

Supported HTTP versions
Add support for additional HTTP versions. HTTP/1.0 and HTTP/1.1 are supported by default.

☒ HTTP/2
☐ HTTP/3

Default root object - optional
The object (file name) to return when a viewer requests the root URL (/) instead of a specific object.

Standard logging
Get logs of viewer requests delivered to an Amazon S3 bucket.

☒ Off
☐ On

IPv6
☐ Off
☒ On

Description - optional

Cancel Create distribution

Step 3: Accessing the hosted video

1) Once the distribution is deployed, copy the domain name of your distribution.

For me : <https://d2cew1ekrl4gp1.cloudfront.net>

CloudFront > Distributions

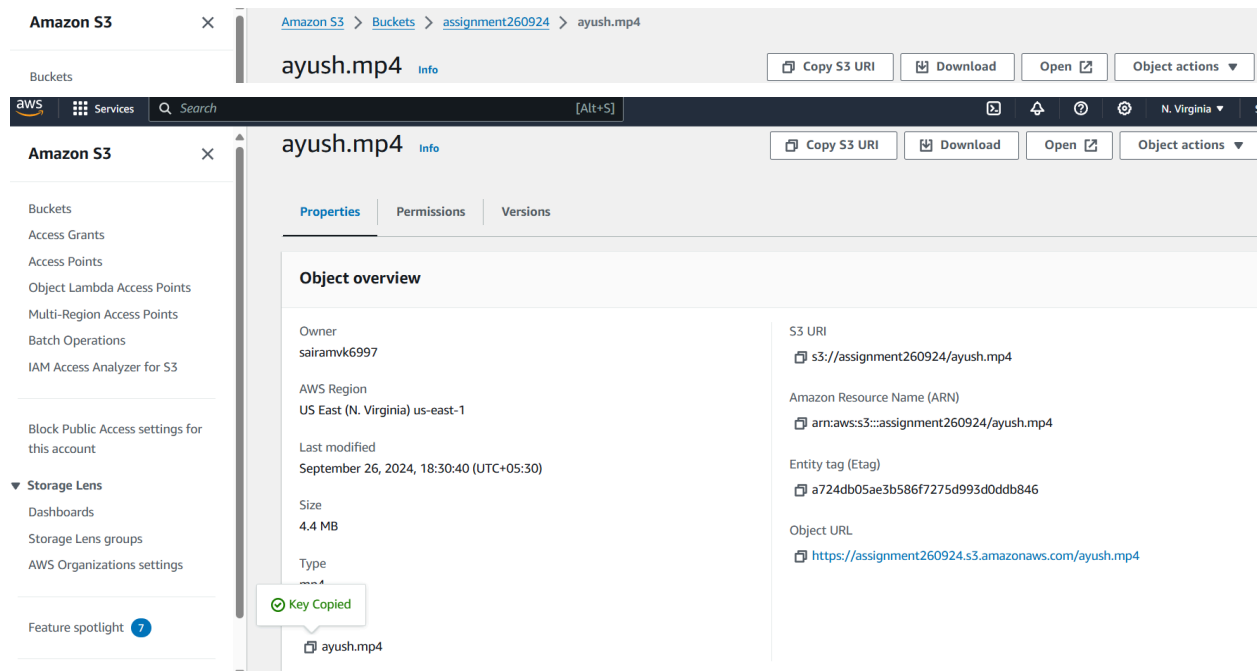
Distributions (1) [Info](#)

Refresh Enable Disable Delete Create distribution

Search all distributions

<input type="checkbox"/>	ID	Description	Type	Domain name	Alternate do...	Origins	Status	Last modified
<input type="checkbox"/>	E1PEZ1Q4AXHM70	-	Production	d2cew1ekrl4gp1...	-	assignment260924.s3	Enabled	Deploying

2) Now, go to the S3 bucket and click on its name. Click on the name of the video you have uploaded. There you will find a key, copy that. For me key is : ayush.mp4



3) Combine the Domain name of the distribution and the key of the video to make your final link of the video that is streamed. <distributed domain name/video key>

For me: <https://d2cew1ekrl4gp1.cloudfront.net/ayush.mp4>

or

d2cew1ekrl4gp1.cloudfront.net/ayush.mp4

