

8) Implement the cloudfront mechanism to show how the image can be accessed from the 53 bucket. Also show the concept of the error handling if the image is not found in the 53 bucket (30 marks)

Go to S3 tab → create bucket → name(quest8-prathamesh)

Bucket type → General purpose

Set Up S3 Bucket → quest8bucket

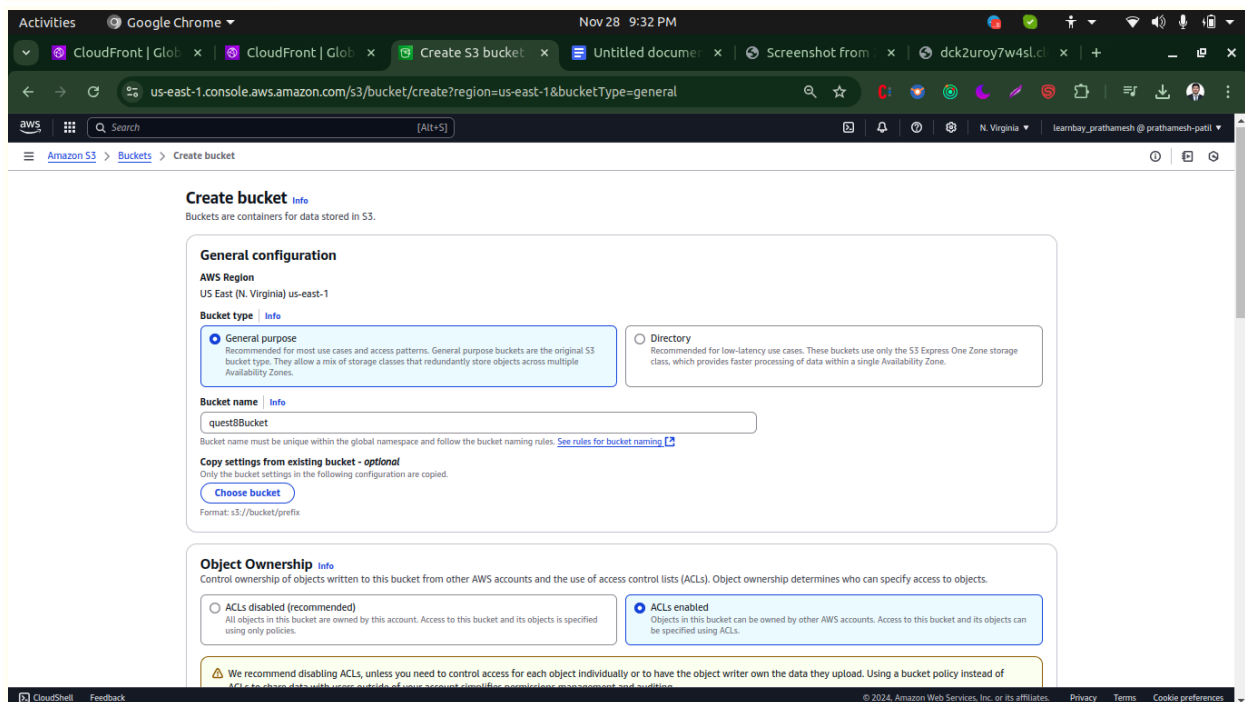
Object Ownership → ACLs enabled

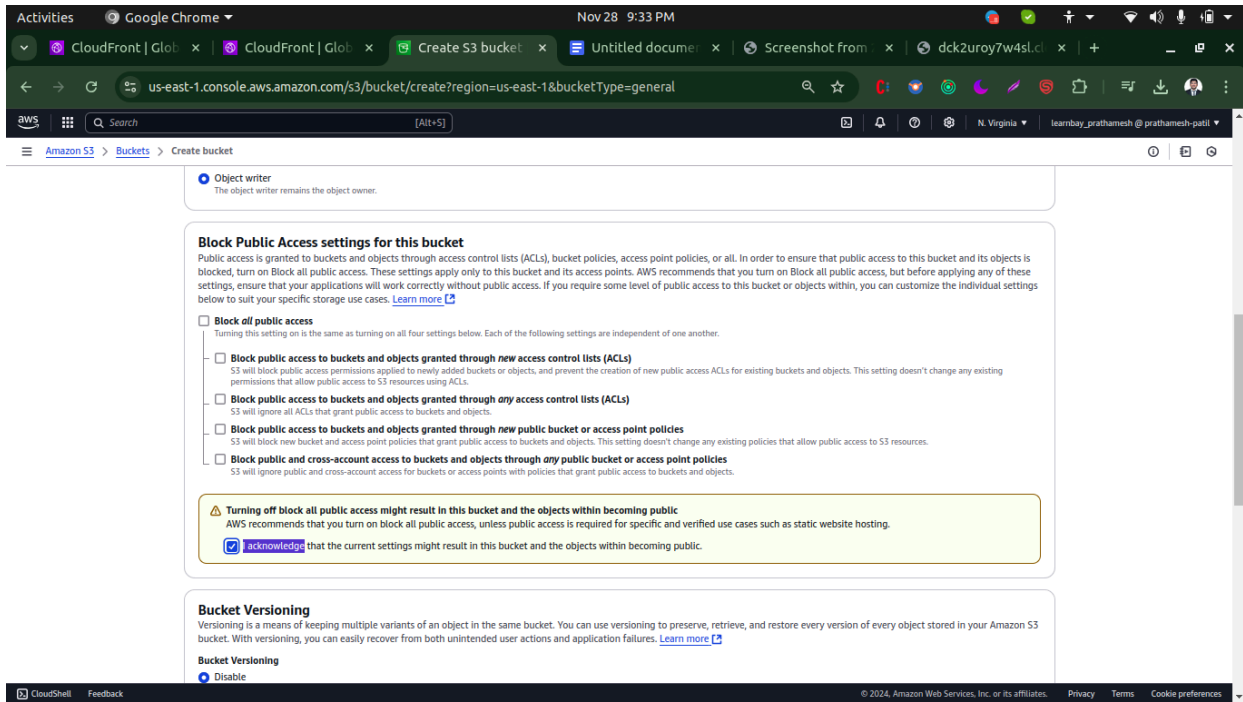
Object Ownership → Bucket owner preferred

Block all public access → uncheck

I acknowledge → checked

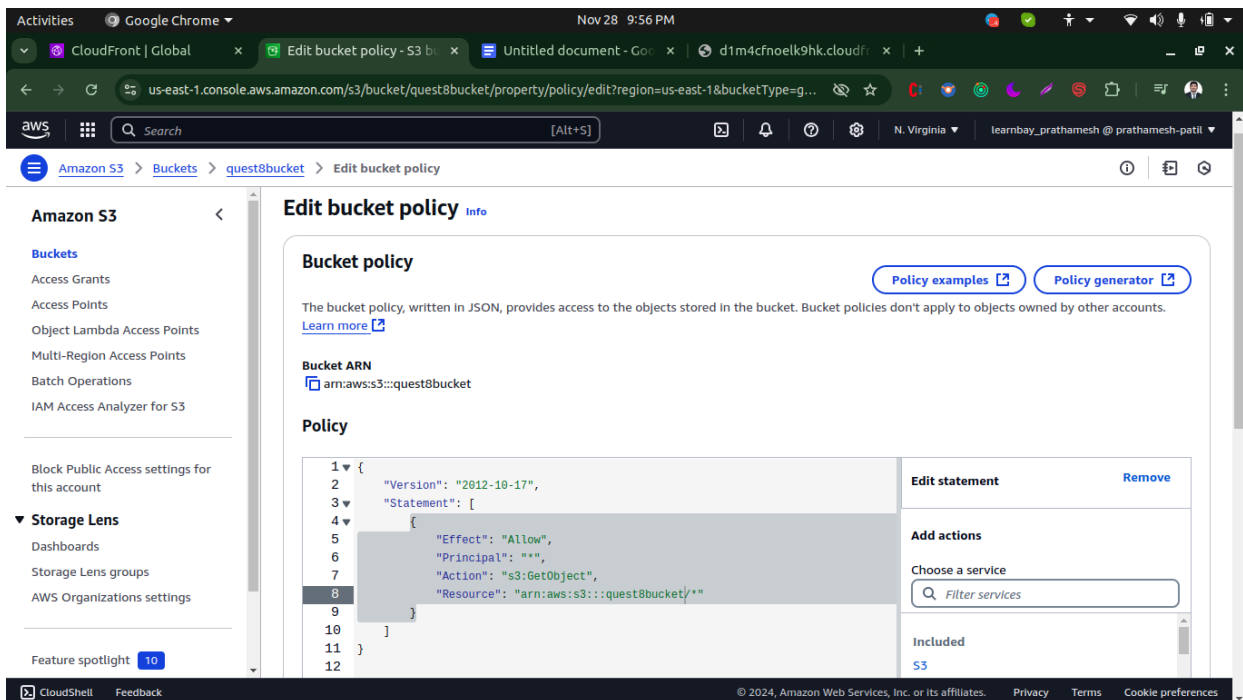
Click on create bucket





Upload image (aws.jpg) in bucket → create folder (CustomErrors) → upload html for error page (error-page.html)

Adjust permissions → Ensure the bucket policy allows s3:GetObject for CloudFront.
Go to permission tab → Bucket Policy → Edit → Save



Goto Cloudfront tab
Create distribution

Activities Google Chrome Nov 28 9:37 PM

CloudFront | Glo CloudFront | Glo quest8bucket - S Untitled docume Screenshot from dck2uroy7w4sl.c

us-east-1.console.aws.amazon.com/cloudfront/v4/home?region=us-east-1#/distributions/create

CloudFront > Distributions > Create

Create distribution

Origin

Origin domain
Choose an AWS origin, or enter your origin's domain name. [Learn more](#)

quest8bucket.s3.us-east-1.amazonaws.com

Enter a valid DNS domain name, such as an S3 bucket, HTTP server, or VPC origin ID.

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

Enter the origin path

Name
Enter a name for this origin.

quest8bucket.s3.us-east-1.amazonaws.com

Origin access [Info](#)

☒ **Public**
Bucket must allow public access.

☐ **Origin access control settings (recommended)**
Bucket can restrict access to only CloudFront.

☐ **Legacy access identities**
Use a CloudFront origin access identity (OAI) to access the S3 bucket.

Add custom header - optional
CloudFront includes this header in all requests that it sends to your origin.

[Add header](#)

Enable Origin Shield
Origin shield is an additional caching layer that can help reduce the load on your origin and help protect its availability.

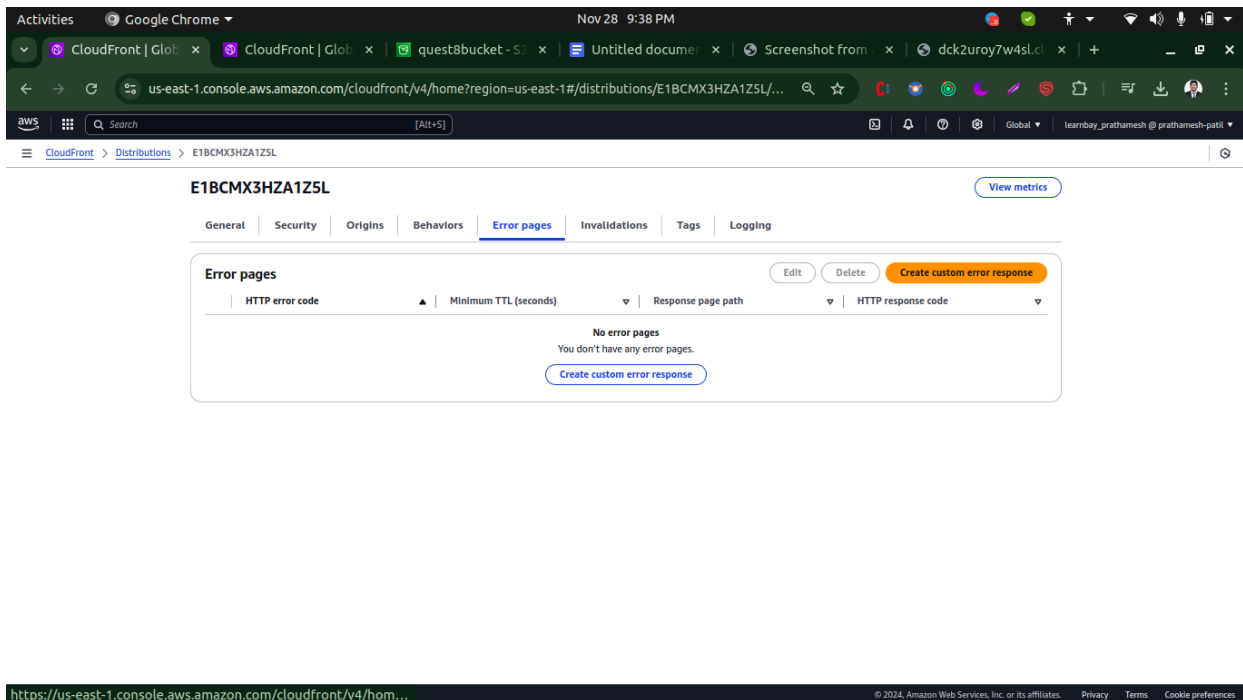
☒ **No**

CloudShell Feedback

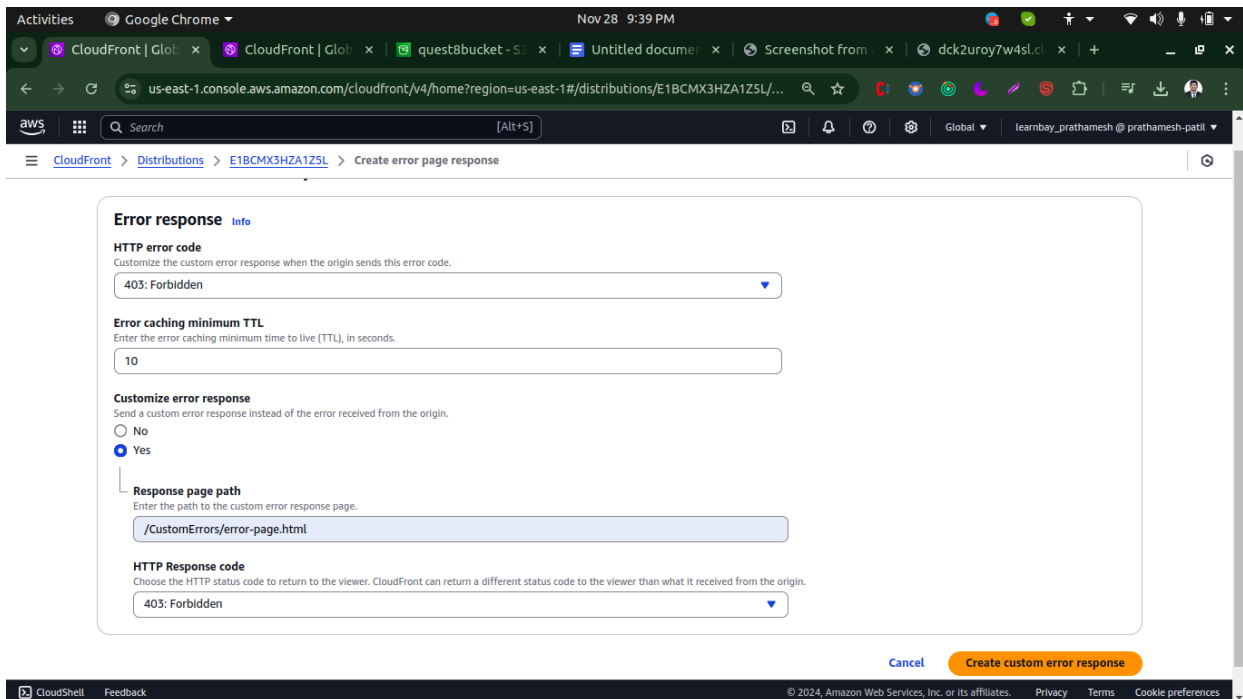
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Choose origin domain as required bucket
Web Application Firewall (WAF) → Enable security protections → click create

Click on Error pages tab



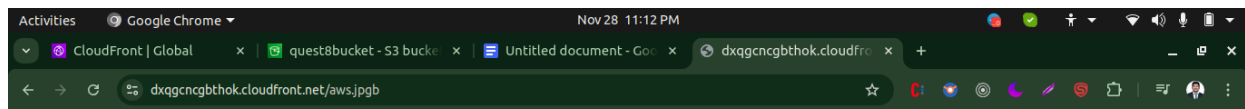
Give inputs like



Then go in General tab → copy **Distribution domain name**

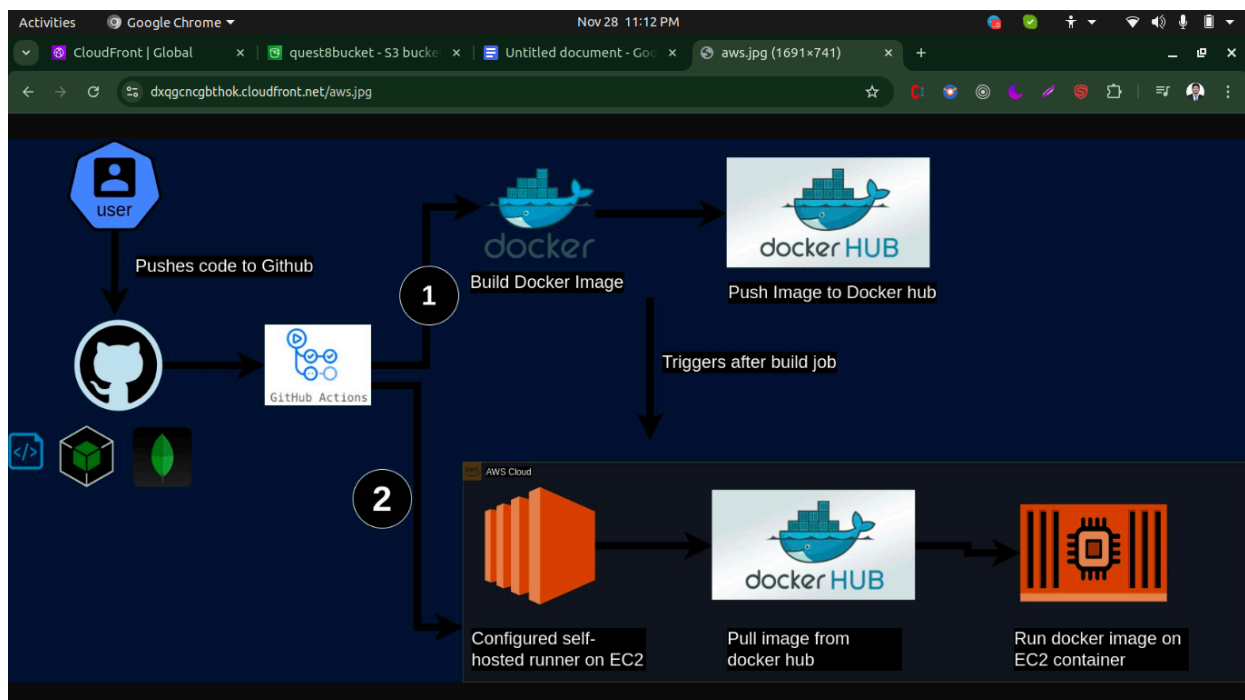
Paste in browser followed by image name e.g <https://d29ddjdjduiw3.cloudfront.net/aws.jpg>

If not found



This is the error page.

If found



Disable the distribution, delete bucket