Hosting a Static Website on Amazon S3 with CloudFront and Logging

Objective:

The objective of this project is to host a static website using **Amazon S3**, configure appropriate public access permissions using IAM bucket policies, and improve content delivery using **CloudFront CDN**. Additionally, server access logging is enabled to monitor and audit access requests.

1. S3 Website URL:

http://raakesh-devops-site.s3-website.ap-south-1.amazonaws.com

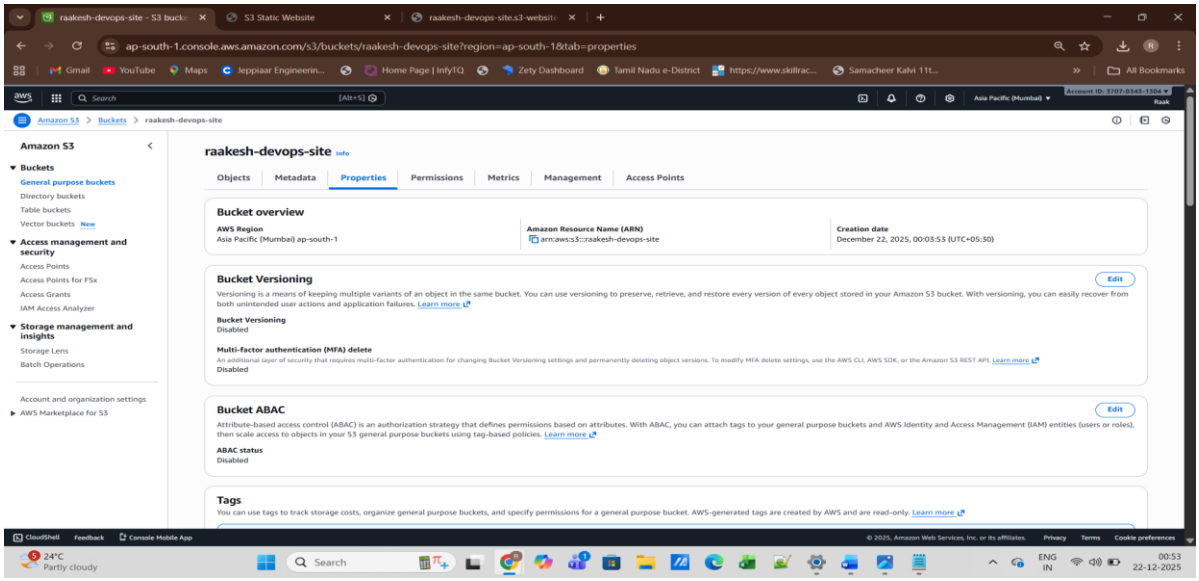
2. IAM Policy JSON Used for Public Read Access:

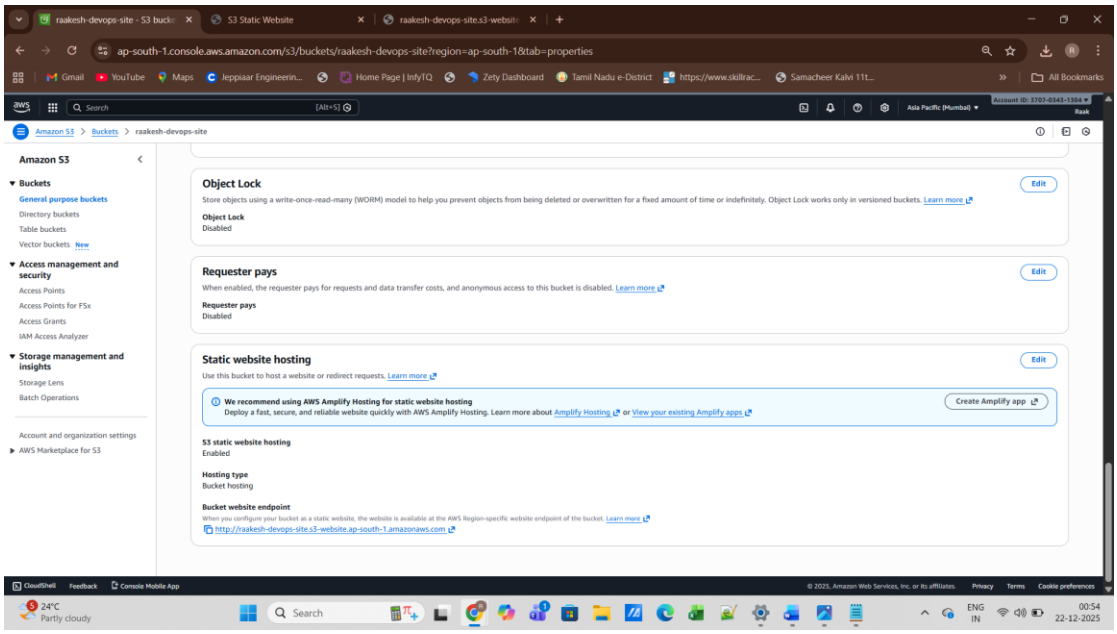
```
{
 "Version": "2012-10-17",
 "Statement": [
  {
   "Sid": "PublicReadGetObject",
   "Effect": "Allow",
   "Principal": "*",

   "Action": "s3:GetObject",
   "Resource": "arn:aws:s3:::<your-bucket-name>/*"
  }
 ]
}
```

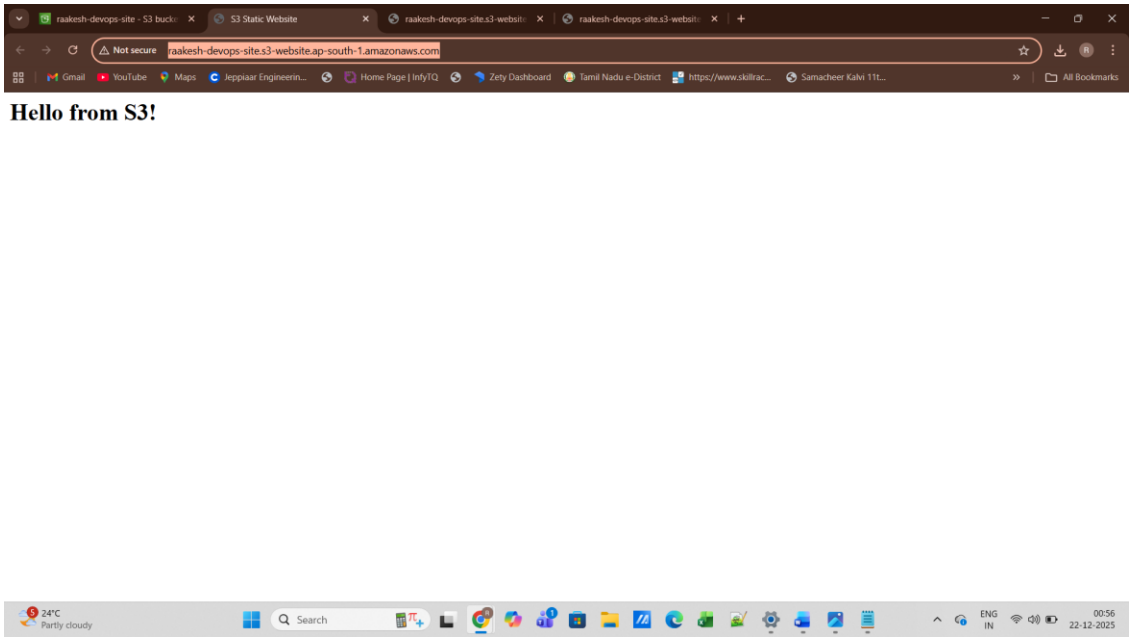
3. Screenshots:

1. The Amazon S3 bucket creation with public access enabled and static website hosting configured.

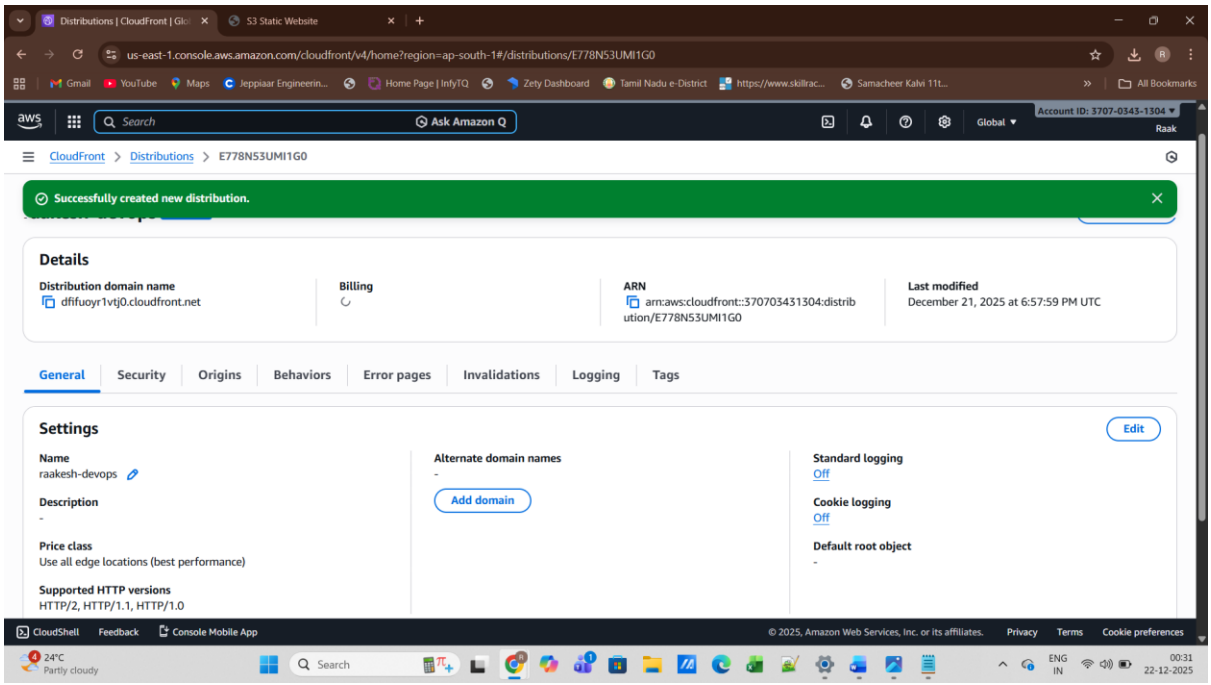




2. Successful access of the static website using the S3 website URL in a web browser.



3. The CloudFront distribution created with the S3 static website as the origin and the distribution domain name.



4. server access logging enabled on the S3 bucket with a target logging bucket configured.