APPLICATION DEVELOPMENT ON CLOUD

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REGNO:2000031853

SECTION:01

Assignment 3: Host a Static Website With Cloud Front?

Ans:

1)create bucket.

2)block all public access.

3)enable versioning-->create bucket-->go to bucket upload our files-->html file

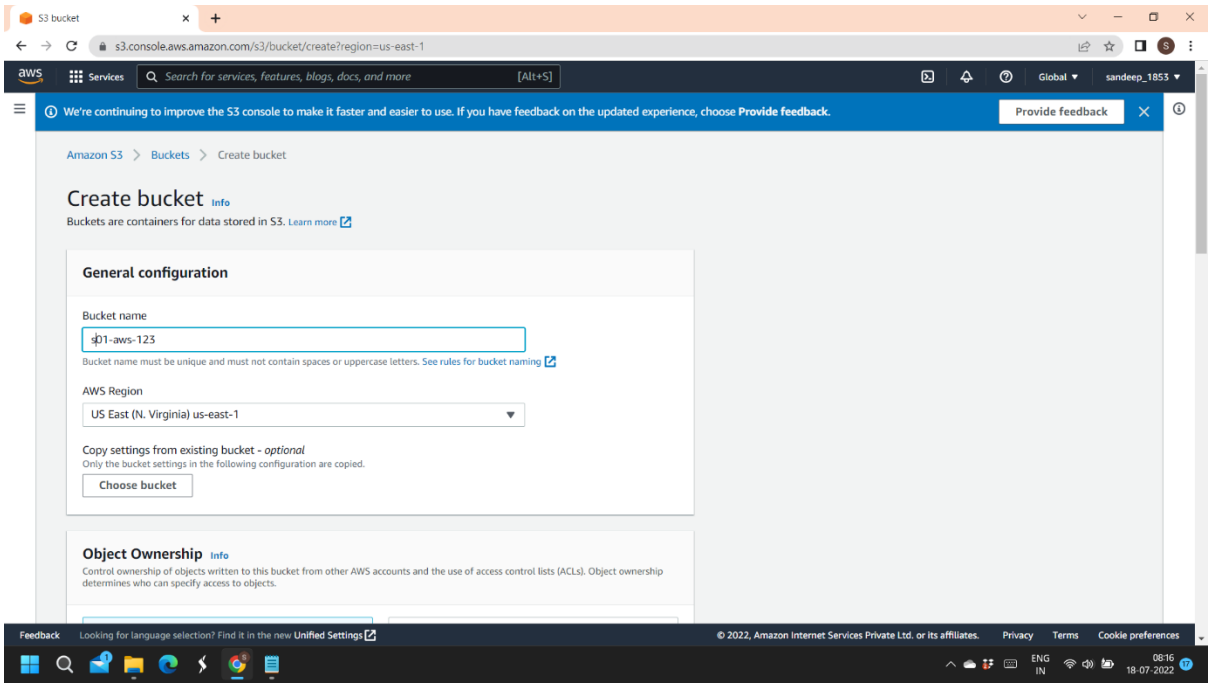
4)properties-->no bucket policy

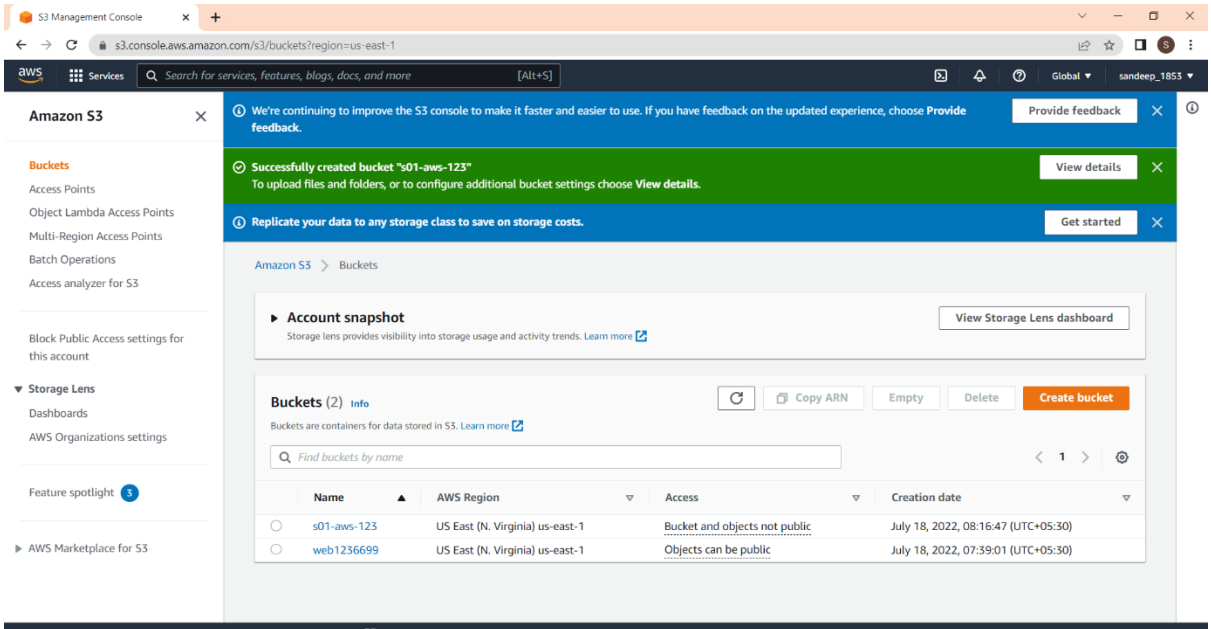
5)search cloud front (global content delivery) -->create distribution-->origin domain-->visible-->yes strictly go with cloud front-->create new OAI (origin access identity) -->create-->yes update bucket policy-->settings-->should be enable all edge locations-->create now

6)go to buckets-->permissions-->policies are enabled

7)distribution domain name(paste).

Output:




S3 Management Console
s3.console.aws.amazon.com/s3/buckets?region=us-east-1
Services
Search for services, features, blogs, docs, and more
[Alt+S]
Global
sandeep_1853
Amazon S3
Buckets
Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
Access analyzer for S3
Block Public Access settings for this account
Storage Lens
Dashboards
AWS Organizations settings
Feature spotlight
AWS Marketplace for S3
We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.
Provide feedback
Successfully created bucket "s01-aws-123"
To upload files and folders, or to configure additional bucket settings choose View details.
View details
Replicate your data to any storage class to save on storage costs.
Get started
Amazon S3 > Buckets
Account snapshot
Storage lens provides visibility into storage usage and activity trends. Learn more
View Storage Lens dashboard
Buckets (2) Info
Buckets are containers for data stored in S3. Learn more
Copy ARN
Empty
Delete
Create bucket
Find buckets by name
Name
AWS Region
Access
Creation date
s01-aws-123
US East (N. Virginia) us-east-1
Bucket and objects not public
July 18, 2022, 08:16:47 (UTC+05:30)
web1236699
US East (N. Virginia) us-east-1
Objects can be public
July 18, 2022, 07:39:01 (UTC+05:30)
Feedback
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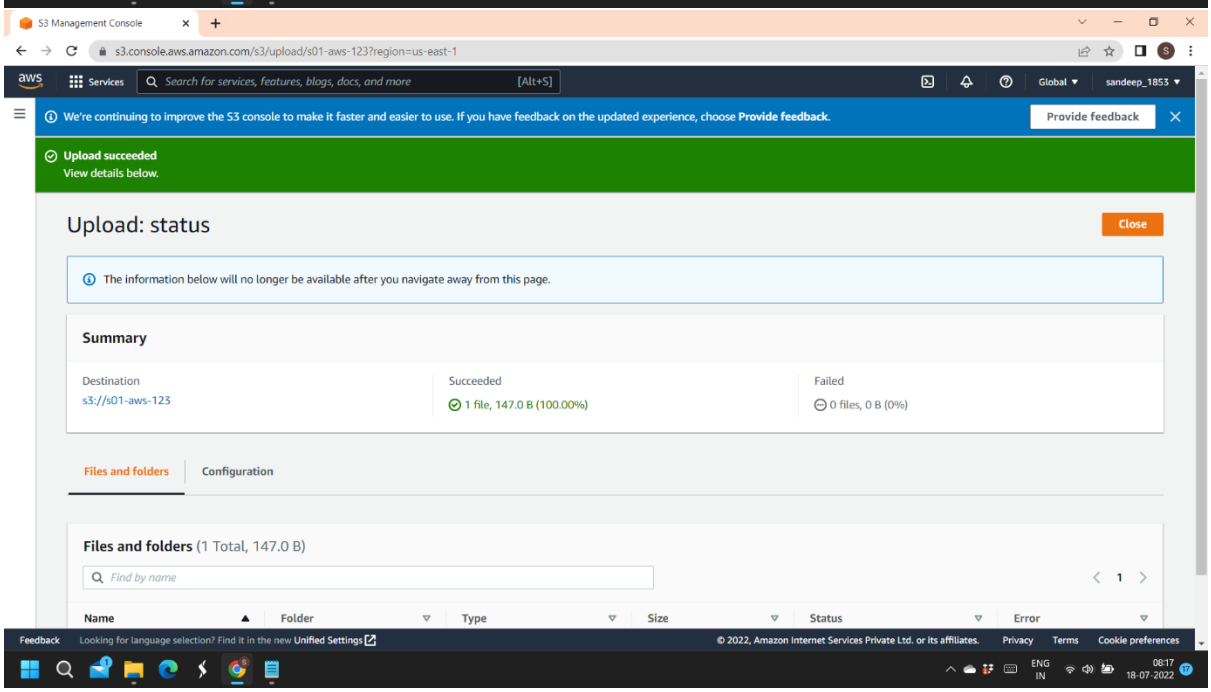
IN
08:17
18-07-2022


S3 Management Console
s3.console.aws.amazon.com/s3/upload/s01-aws-123?region=us-east-1
Services
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[Alt+S]
Global
sandeep_1853
We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.
Provide feedback
Upload succeeded
View details below.
Upload: status
Close
The information below will no longer be available after you navigate away from this page.
Summary
Destination
s3://s01-aws-123
Succeeded
1 file, 147.0 B (100.00%)
Failed
0 files, 0 B (0%)
Files and folders
Configuration
Files and folders (1 Total, 147.0 B)
Find by name
Name
Folder
Type
Size
Status
Error
Feedback
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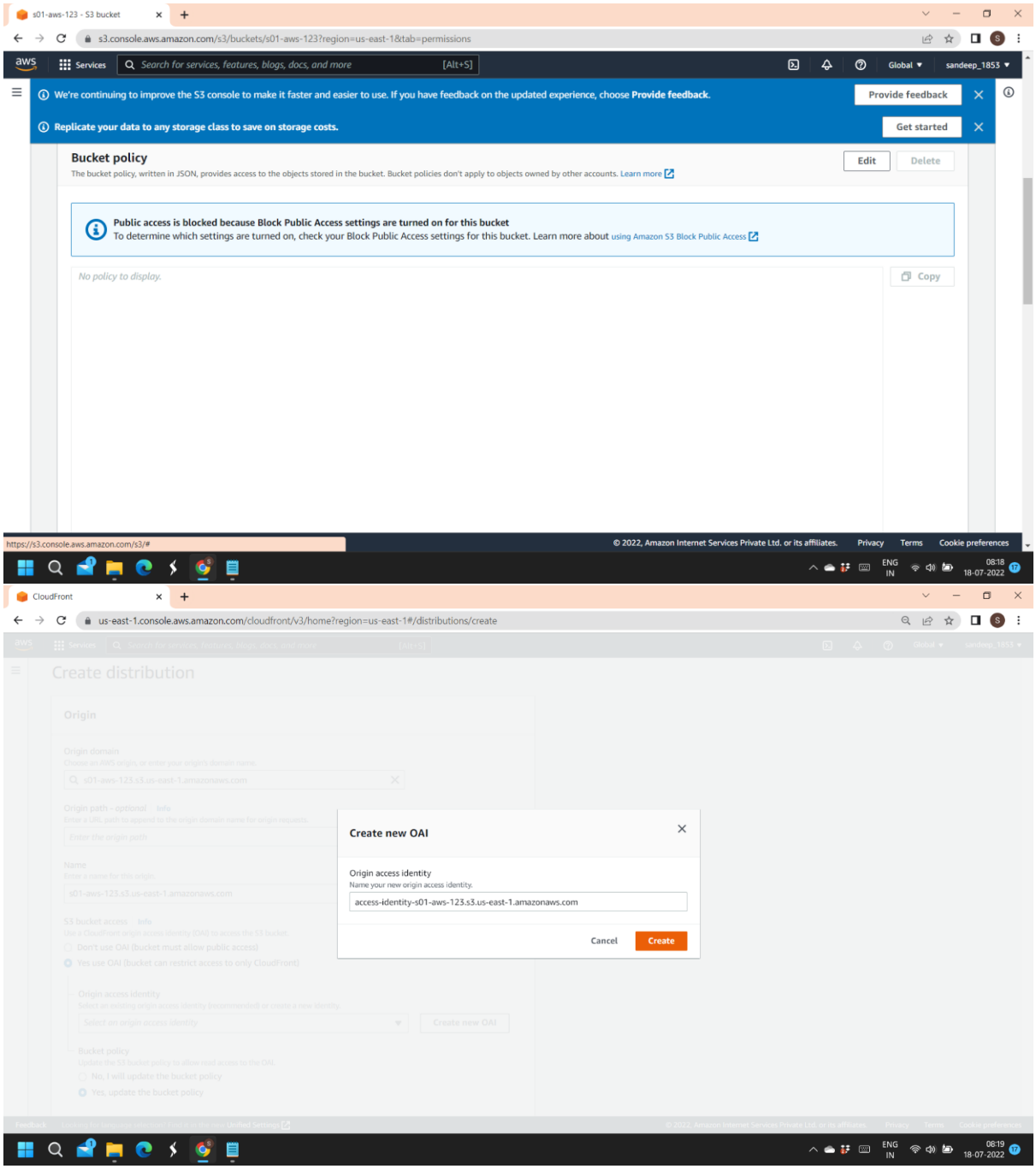
s01-aws-123 - S3 bucket
s3.console.aws.amazon.com/s3/buckets/s01-aws-123?region=us-east-1&tab=permissions
Services
Search for services, features, blogs, docs, and more
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Global
sandeep_1853
We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.
Provide feedback
Replicate your data to any storage class to save on storage costs.
Get started
Bucket policy
The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. Learn more
Edit
Delete
Public access is blocked because Block Public Access settings are turned on for this bucket
To determine which settings are turned on, check your Block Public Access settings for this bucket. Learn more about using Amazon S3 Block Public Access
No policy to display.
Copy
https://s3.console.aws.amazon.com/s3/#
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CloudFront
us-east-1.console.aws.amazon.com/cloudfront/v3/home?region=us-east-1#/distributions/create
Create distribution
Origin
Origin domain
s01-aws-123.s3.us-east-1.amazonaws.com
Origin path - optional
Enter the origin path
Name
s01-aws-123.s3.us-east-1.amazonaws.com
S3 bucket access
Don't use OAI (bucket must allow public access)
Yes use OAI (bucket can restrict access to only CloudFront)
Origin access identity
Select an origin access identity
Create new OAI
Bucket policy
No, I will update the bucket policy
Yes, update the bucket policy
Create new OAI
Origin access identity
Name your new origin access identity.
access-identity-s01-aws-123.s3.us-east-1.amazonaws.com
Cancel
Create
ENG
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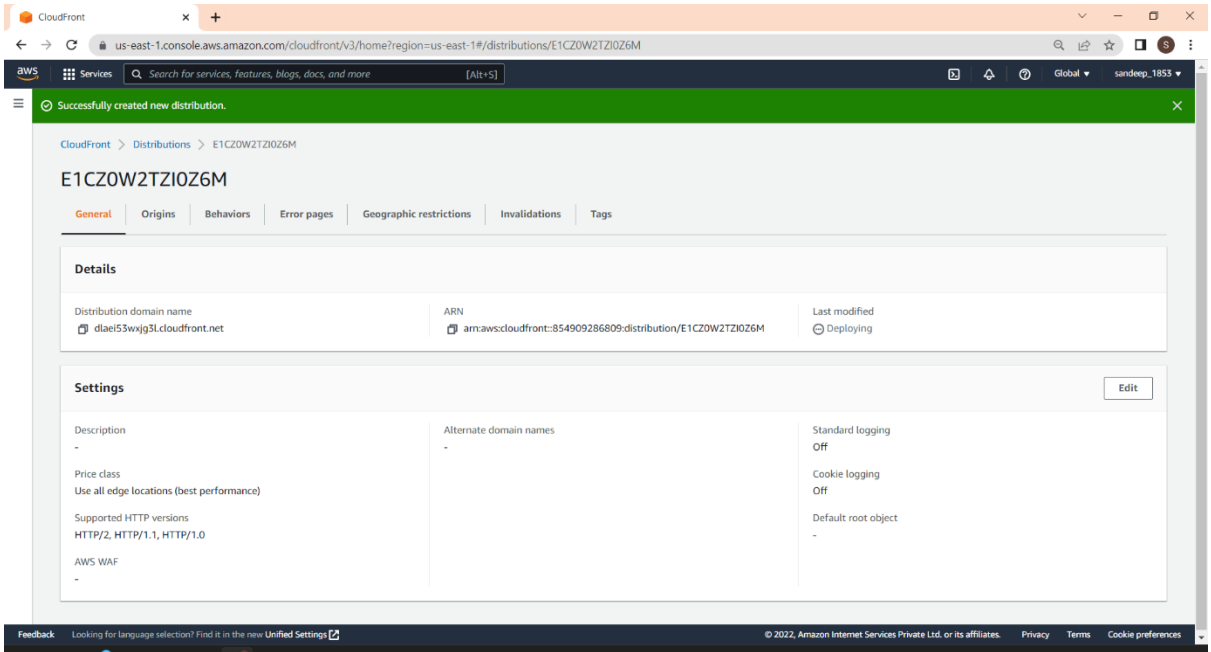
CloudFront
us-east-1.console.aws.amazon.com/cloudfront/v3/home?region=us-east-1#/distributions/E1CZ0W2TZI0Z6M
Services
Search for services, features, blogs, docs, and more
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Global
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Successfully created new distribution.
CloudFront > Distributions > E1CZ0W2TZI0Z6M
E1CZ0W2TZI0Z6M
General
Origins
Behaviors
Error pages
Geographic restrictions
Invalidations
Tags
Details
Distribution domain name
dlaei53wxjg3l.cloudfront.net
ARN
arn:aws:cloudfront::854909286809:distribution/E1CZ0W2TZI0Z6M
Last modified
Deploying
Settings
Edit
Description
-
Alternate domain names
-
Standard logging
Off
Price class
Use all edge locations (best performance)
Cookie logging
Off
Supported HTTP versions
HTTP/2, HTTP/1.1, HTTP/1.0
Default root object
-
AWS WAF
-
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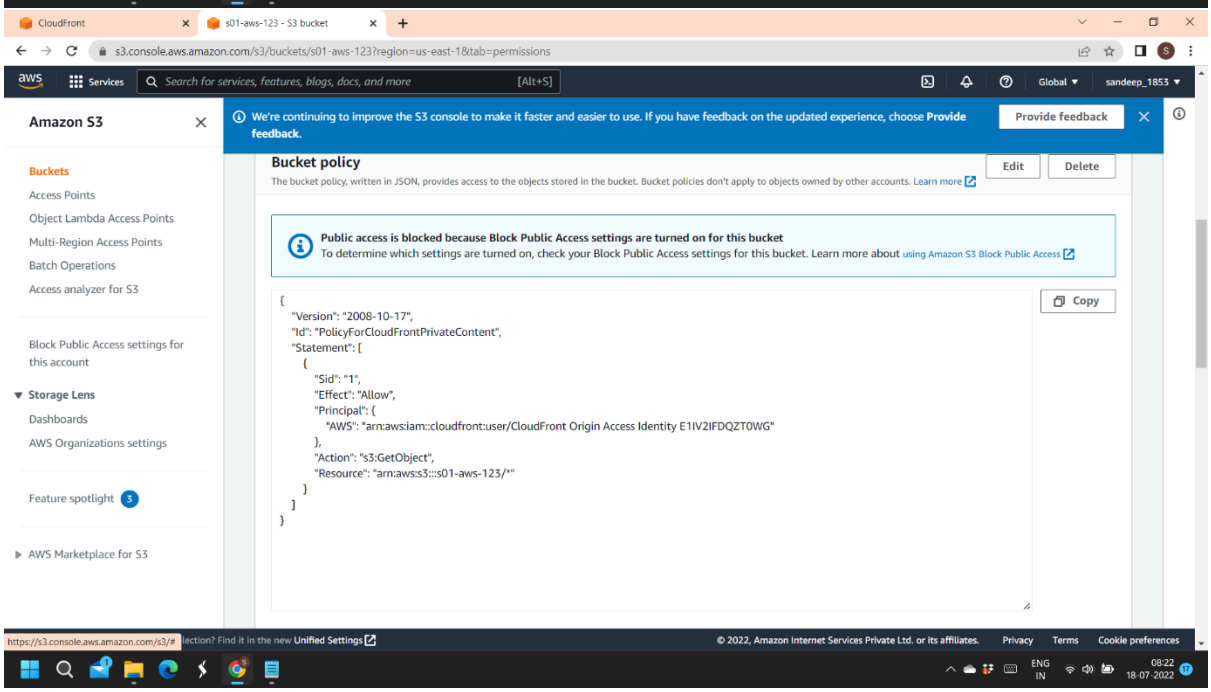
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s3.console.aws.amazon.com/s3/buckets/s01-aws-123?region=us-east-1&tab=permissions
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AWS Marketplace for S3
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To determine which settings are turned on, check your Block Public Access settings for this bucket. Learn more about using Amazon S3 Block Public Access
Copy
{
"Version": "2008-10-17",
"Id": "PolicyForCloudFrontPrivateContent",
"Statement": [
{
"Sid": "1",
"Effect": "Allow",
"Principal": {
"AWS": "arn:aws:iam::cloudfront:user/CloudFront Origin Access Identity E1IV2IFDQZT0WG"
},
"Action": "s3:GetObject",
"Resource": "arn:aws:s3:::s01-aws-123/*"
}
]
}
https://s3.console.aws.amazon.com/s3/#
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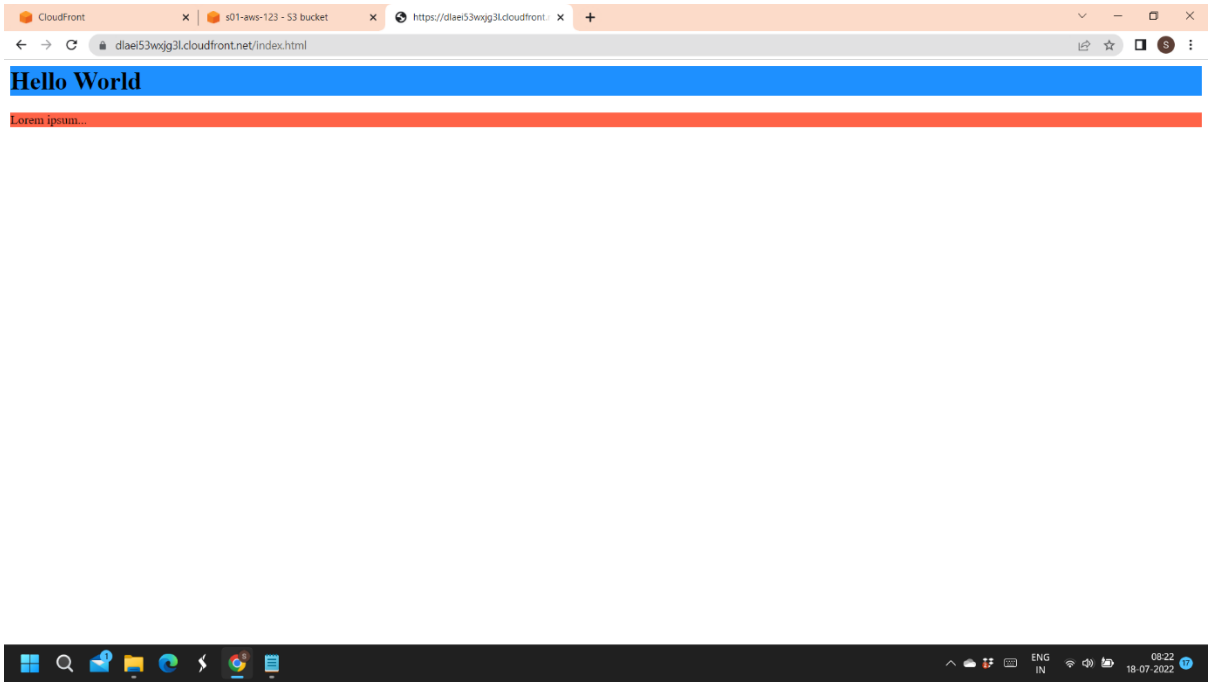
CloudFront
s01-aws-123 - S3 bucket
https://dlaei53wxjg3l.cloudfront.
dlaei53wxjg3l.cloudfront.net/index.html
Hello World
Lorem ipsum...
ENG
IN
08:22
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