

Cloudfront distribution:

Create S3 bucket to store on the cloudfront.

The image shows two screenshots of the AWS S3 console interface. The top screenshot displays the 'Create bucket' page for the 'ap-south-1' region. The 'General configuration' section shows a bucket name of 'cloudfrontbucket' and the AWS Region set to 'Asia Pacific (Mumbai) ap-south-1'. The 'Object Ownership' section shows 'ACLs enabled' as the selected option. The bottom screenshot displays the 'Upload' page for the bucket 'cloudfrontbucketforpractice'. It shows a file named 'beach.jpg' (85.8 KB) being uploaded to the destination 's3://cloudfrontbucketforpractice'.

Create bucket [Info](#)
Buckets are containers for data stored in S3. [Learn more](#)

General configuration

Bucket name
cloudfrontbucket
Bucket name must be globally unique and must not contain spaces or uppercase letters. [See rules for bucket naming](#)

AWS Region
Asia Pacific (Mumbai) ap-south-1

Copy settings from existing bucket - *optional*
Only the bucket settings in the following configuration are copied.
[Choose bucket](#)

Object Ownership [Info](#)
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) ☒ ACLs enabled

Upload [Info](#)
Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose [Add files](#), or [Add folders](#).

Files and folders (1 Total, 85.8 KB)
All files and folders in this table will be uploaded.

< 1 >

<input type="checkbox"/>	Name	Folder	Type	Size
<input type="checkbox"/>	beach.jpg	-	image/jpeg	85.8 KB

Destination

Destination
s3://cloudfrontbucketforpractice

► Destination details
Bucket settings that impact how objects stored in the specified destination.

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s3.console.aws.amazon.com/s3/upload/cloudfrontbucketforpractice?region=ap-south-1

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Upload succeeded
View details below.

The information below will no longer be available after you navigate away from this page.

Summary

Destination s3://cloudfrontbucketforpractice	Succeeded 1 file, 85.8 KB (100.00%)	Failed 0 files, 0 B (0%)
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Files and folders | Configuration

Files and folders (1 Total, 85.8 KB)

Find by name

Name	Folder	Type	Size	Status	Error
beach.jpg	-	image/jpeg	85.8 KB	Succeeded	-

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Create Cloudfront Distribution with S3 bucket

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us-east-1.console.aws.amazon.com/cloudfront/v3/home?region=ap-south-1#/distributions/create

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Origin

Origin domain
Choose an AWS origin, or enter your origin's domain name.
cloudfrontbucketforpractice.s3.ap-south-1.amazonaws.com

Origin path - optional [Info](#)
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.
cloudfrontbucketforpractice.s3.ap-south-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.

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us-east-1.console.aws.amazon.com/cloudfront/v3/home?region=ap-south-1#/distributions/create

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Enter a name for this origin.
cloudfrontbucketforpractice.s3.ap-south-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.

Origin access control
Select an existing origin access control (recommended) or create a new configuration.

cloudfrontbucketforpractice.s3.ap-south-1.amazonaws.com Create control setting

Bucket policy
Policy must allow access to CloudFront IAM service principal role.

☒ I will manually update the policy

You must update the S3 bucket policy
CloudFront will provide you with the policy statement after creating the distribution.

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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

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us-east-1.console.aws.amazon.com/cloudfront/v3/home?region=ap-south-1#/distributions/E1THSIAKO902ZK

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Successfully created new distribution.

The S3 bucket policy needs to be updated
Complete distribution configuration by allowing read access to CloudFront origin access control in your policy statement. [Go to S3 bucket permissions to update policy](#) [Copy policy](#)

CloudFront > Distributions > E1THSIAKO902ZK

E1THSIAKO902ZK

View metrics

General | Origins | Behaviors | Error pages | Geographic restrictions | Invalidations | Tags

Details

Distribution domain name	ARN	Last modified
d28h2jrn96cs8b.cloudfront.net	arn:aws:cloudfront::19209584671:distribution/E1THSIAKO902ZK	Deploying

Settings

Edit

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Copy and update the bucket policy

s3.console.aws.amazon.com/s3/bucket/cloudfrontbucketforpractice/property/policy/edit?region=ap-south-1

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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](#)

[Policy examples](#) [Policy generator](#)

Bucket ARN

arn:aws:s3:::cloudfrontbucketforpractice

Policy

```
1 {
2   "Version": "2008-10-17",
3   "Id": "PolicyForCloudFrontPrivateContent",
4   "Statement": [
5     {
6       "Sid": "AllowCloudFrontServicePrincipal",
7       "Effect": "Allow",
8       "Principal": {
9         "Service": "cloudfront.amazonaws.com"
10      },
11      "Action": "s3:GetObject",
12      "Resource": "arn:aws:s3:::cloudfrontbucketforpractice/*",
13      "Condition": {
14        "StringEquals": {
15          "AWS:SourceArn": "arn:aws:cloudfront::19209584671:distribution/E1THSIAKO902ZK"
16        }
17      }
18    }
19  ]
20 }
```

Edit statement

Select a statement

Select an existing statement in the policy or add a new statement.

[+ Add new statement](#)

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You restrict geographically as of below

us-east-1.console.aws.amazon.com/cloudfront/v3/home?region=ap-south-1#/distributions/E1THSIAKO902ZK/re...

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CloudFront > Distributions > E1THSIAKO902ZK > Edit geographic restrictions

Edit geographic restrictions

Settings Info

Restriction type

- ☐ No restrictions
- ☒ Allow list
- ☐ Block list

Countries

Select countries

India X

Cancel Save changes

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Copy the DNS with /file name extension - <https://d28h2jrn96cs8b.cloudfront.net/beach.jpg>

