Simple CloudFront Distribution

Step 1: Upload Your Content to Amazon S3 and Grant Object Permissions

- Refer the s3 document for this

Step 2: Create a CloudFront Distribution

To create a CloudFront distribution open the CloudFront console at https://console.aws.amazon.com/cloudfront/.

- Choose Create Distribution.

- On the Create Distribution page,
- Origin Domain Name: Choose the Amazon S3 bucket that you created earlier.
- Origin ID : Bucket Name
- Restrict Bucket Access: Yes
- Origin Access Identity: Create New Identity
- Grant read permission : Yes, Update bucket policy
- Origin Custom Headers, Comments accept the default values.

Use the default value for Cache behavior settings

Default Cache Behavior Settings

Path Pattern   Default (*)   ⓘ

Viewer Protocol Policy
- ◉ HTTP and HTTPS   ⓘ
- ○ Redirect HTTP to HTTPS
- ○ HTTPS Only

Allowed HTTP Methods
- ◉ GET, HEAD   ⓘ
- ○ GET, HEAD, OPTIONS
- ○ GET, HEAD, OPTIONS, PUT, POST, PATCH, DELETE

Cached HTTP Methods   GET, HEAD (Cached by default)   ⓘ

Forward Headers   None (Improves Caching) ⌄   ⓘ

Object Caching
- ◉ Use Origin Cache Headers   ⓘ
- ○ Customize

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Minimum TTL   0   ⓘ

Maximum TTL   31536000   ⓘ

Default TTL   86400   ⓘ

Forward Cookies   None (Improves Caching) ⌄   ⓘ

Forward Query Strings
- ○ Yes   ⓘ
- ◉ No (Improves Caching)

Smooth Streaming
- ○ Yes   ⓘ
- ◉ No

Restrict Viewer Access (Use Signed URLs or Signed Cookies)
- ○ Yes   ⓘ
- ◉ No

Compress Objects Automatically
- ○ Yes   ⓘ
- ◉ No

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Make your required Settings in Distribution Settings

Distribution Settings

Price Class	Use All Edge Locations (Best Performance) ⌄ ⓘ
AWS WAF Web ACL	None ⌄ ⓘ
Alternate Domain Names (CNAMEs)	[text box] ⓘ

SSL Certificate

◉ Default CloudFront Certificate (*.cloudfront.net)

Choose this option if you want your users to use HTTPS or HTTP to access your content with the CloudFront domain name (such as https://d111111abcdef8.cloudfront.net /logo.jpg).
Important: If you choose this option, CloudFront requires that browsers or devices support TLSv1 or later to access your content.

○ Custom SSL Certificate (stored in AWS IAM): [No certificates available ⌄]

Choose this option if you want your users to use HTTPS to access your content with an alternate domain name (such as https://www.example.com/logo.jpg) using either dedicated CloudFront IP addresses or SNI.
To choose this option, you first need to upload your certificate to the AWS IAM certificate store (the -path parameter must start with /cloudfront/).
Learn More

Default Root Object	[text box] ⓘ
Logging	○ On ◉ Off ⓘ
Bucket for Logs	[text box] ⓘ
Log Prefix	[text box] ⓘ
Cookie Logging	○ On ◉ Off ⓘ
Comment	[text box] ⓘ
Distribution State	◉ Enabled ○ Disabled ⓘ

Cancel   Back   **Create Distribution**

- After this you need to wait for 5 to 10 min until the distribution comes to deployed stage
- You will get the domain name of cloudfront `https://d111111abcdef8.cloudfront.net`
- Use the cloudfront url instead of bucket url you will be receiving web site in the s3 bucket.

Clearing Cache

In case if you are deploying new source code to your site you need to clear cache
Go to Invalidation and give /* to clear all cache