



CLOUD COMPUTING

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Platform as a Service

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CLOUD COMPUTING

AWS – CloudFront



- Fast, Highly Secure and programmable CDN service
- Easy and simple to use
- Deliver content to millions of users at scale
- Deliver both static and dynamic content
- Many Data centres called as edge locations integrates with AWS physical locations and other aws services
- Can integrate with content origin from s3 and Ec2
- Secure access with free certificate from aws certificate manager

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AWS – CloudFront

- CDN without any hidden charges and no up-front fees
- Elastic – can easily increase or decrease
- Reliable infrastructure. Edge locations will automatically re-route the end users to the next nearest location



- Use Cases
- Static Asset Caching
 - It speed up the delivery of your static content (e.g., images, style sheets, JavaScript, etc.) to viewers across the globe.
- Live & on-demand video streaming
 - Offers multiple options for streaming your media – both pre-recorded files and live events

- Customizable Content Delivery
 - Easily run your code across AWS locations globally, allowing you to respond to your end users at the lowest latency and allowing you to personalize content.
- Dynamic Content
 - supports proxy methods (POST, PUT, OPTIONS, DELETE, and PATCH)
- Software Distribution
 - Scales automatically as globally-distributed clients download software updates.

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1. Sign in to AWS management console using the following link – <https://console.aws.amazon.com/>
2. Upload Amazon S3 and choose every permission public.
3. Create a CloudFront Web Distribution using the following steps.
 - Choose the service CloudFront from the services menu of aws console.
 - Click the Get Started button in the web section of Select a delivery method for your content page.
 - **Create Distribution** page opens. Choose the Amazon S3 bucket created in the Origin Domain Name and leave the remaining fields as default.


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Create Distribution

Origin Settings


Origin Domain Name



Origin Path




Origin ID



Restrict Bucket Access

☐ Yes

☒ No



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- Default Cache Behavior Settings page opens. Keep the values as default and move to the next page.
- A Distribution settings page opens. Fill the details as per your requirement and click the Create Distribution button.
- The Status column changes from In Progress to Deployed. Enable your distribution by selecting the Enable option. It will take around 15 minutes for the domain name to be available in the Distributions list.

Test the Link

- Copy the following HTML code to a new file and write the domain-name that CloudFront assigned to the distribution in the place of domain name. Write a file name of Amazon S3 bucket in the place of object-name.

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```
<html>

<head>CloudFront Testing link</head>

<body>

    <p>My Cloudfront</p>

    <p><img src = "http://domain-name/object-name" alt =
"test image"/>

</body>

</html>
```

Save the text in a file with **.html** extension.

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- Open the web page in a browser to test the links to see if they are working correctly





THANK YOU

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