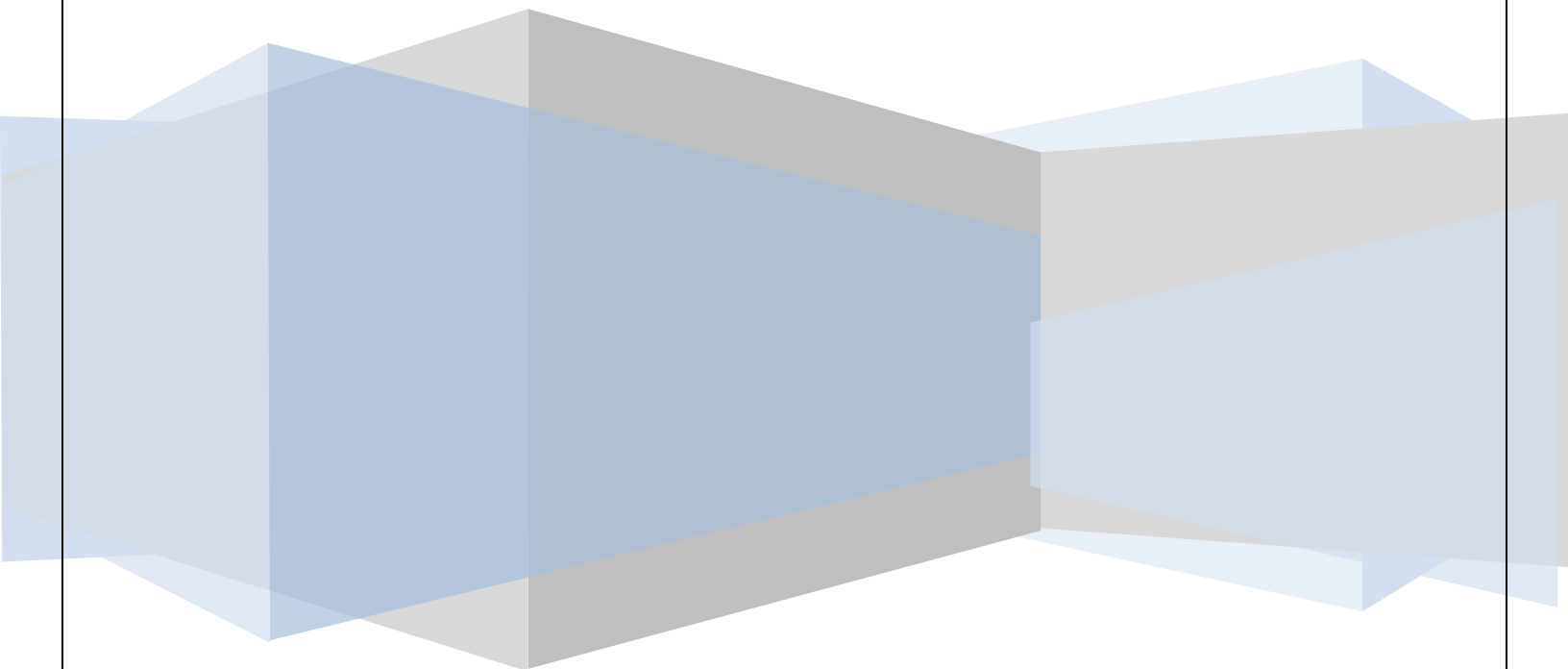




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TACT is an online technology academy for competency training to train the IT professionals and uplift their career to discover more opportunities in the space of emerging technologies.

AWS Cloud Training **AWS CLOUDFRONT(CDN)**



CONTENT DELIVERY NETWORK (CDN)

A content delivery network (CDN) is a system of distributed servers (network) that deliver webpages and other web content to a user based on the geographic locations of the user, the origin of the webpage and a content delivery server.

Amazon CloudFront can be used to deliver your entire website, including dynamic, static, streaming, and interactive content using a global network of Amazon edge locations.

Requests for your website or application are automatically routed to the nearest edge locations instead of your servers, so content is delivered with the best possible performance.

Origin: This is the origin of all files that the CDN will distribute. This can be either an EC2 Instance, S3 Bucket, an ELB or Route53.

Distribution: This is the name given the CDN which consists of a collection of Edge Locations.

CLOUDFRONT Distribution Types:





- **Web Distribution:** Typically used for Websites.
- **RTMP:** Used for Media Streaming.

CLouDFront DISTRIBUTION CREATION





Once you logged in to AWS management console, from the console home choose CloudFront under Storage & Content Delivery.

Amazon Web Services




Compute

-  **EC2**
Virtual Servers in the Cloud
-  **EC2 Container Service**
Run and Manage Docker Containers
-  **Elastic Beanstalk**
Run and Manage Web Apps
-  **Lambda**
Run Code in Response to Events






Storage & Content Delivery

-  **S3**
Scalable Storage in the Cloud
-  **CloudFront**
Global Content Delivery Network
-  **Elastic File System** PREVIEW
Fully Managed File System for EC2
-  **Glacier**
Archive Storage in the Cloud

Developer Tools

-  **CodeCommit**
Store Code in Private Git Repositories
-  **CodeDeploy**
Automate Code Deployments
-  **CodePipeline**
Release Software using Continuous Delivery


Management Tools

-  **CloudWatch**
Monitor Resources and Applications
-  **CloudFormation**
Create and Manage Resources with Templates
-  **CloudTrail**
Track User Activity and API Usage
-  **Config**
Track Resource Inventory and Changes
-  **OpsWorks**
Automate Operations with Chef






Internet of Things

-  **AWS IoT**
Connect Devices to the Cloud

Game Development

-  **GameLift**
Deploy and Scale Session-based Multiplayer Games

Mobile Services

-  **Mobile Hub**
Build, Test, and Monitor Mobile Apps
-  **Cognito**
User Identity and App Data Synchronization
-  **Device Farm**
Test Android, iOS, and Web Apps on Real Devices in the Cloud
-  **Mobile Analytics**
Collect, View and Export App Analytics
-  **SNS**
Simple Notification Service

Choose Create Distribution button to create a new one.

Amazon CloudFront Getting Started

Either your search returned no results, or you do not have any distributions. Click the button below to create a content using a worldwide network of edge locations that provide low latency and high data transfer speeds ([learn more](#)).

Create Distribution

From the select delivery method page, choose Get Started under Web.

Select a delivery method for your content.

Web

Create a web distribution if you want to:

- Speed up distribution of static and dynamic content, for example, .html, .css, .php, and graphics files.
- Distribute media files using HTTP or HTTPS.
- Add, update, or delete objects, and submit data from web forms.
- Use live streaming to stream an event in real time.

You store your files in an origin — either an Amazon S3 bucket or a web server. After you create the distribution, you can add more origins

Get Started

RTMP

Create an RTMP distribution to speed up distribution of your streaming media files using Adobe Flash Media Server's RTMP protocol. An end user to begin playing a media file before the file has finished downloading from a CloudFront edge location. Note the following:

- To create an RTMP distribution, you must store the media files in an Amazon S3 bucket.
- To use CloudFront live streaming, create a web distribution.

Get Started

Under Origin settings, specify Origin Domain name.







Create Distribution

Origin Settings










Origin Domain Name	<input type="text" value="cloudlinuxacademy.com"/>					
Origin Path	<input type="text"/>					
Origin ID	<input type="text" value="Custom-cloudlinuxacademy.com"/>					
Origin SSL Protocols	<input checked="" type="checkbox"/> TLSv1.2 <input checked="" type="checkbox"/> TLSv1.1 <input checked="" type="checkbox"/> TLSv1 <input type="checkbox"/> SSLv3					
Origin Protocol Policy	<input checked="" type="radio"/> HTTP Only <input type="radio"/> HTTPS Only <input type="radio"/> Match Viewer					
HTTP Port	<input type="text" value="80"/>					
HTTPS Port	<input type="text" value="443"/>					
Origin Custom Headers	<table> <thead> <tr> <th>Header Name</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </tbody> </table>	Header Name	Value	<input type="text"/>	<input type="text"/>	
Header Name	Value					
<input type="text"/>	<input type="text"/>					








Under Default cache behavior settings left all as defaults till Object Caching.

Default Cache Behavior Settings

Path Pattern	Default (*)	
Viewer Protocol Policy	<input checked="" type="radio"/> HTTP and HTTPS <input type="radio"/> Redirect HTTP to HTTPS <input type="radio"/> HTTPS Only	
Allowed HTTP Methods	<input checked="" type="radio"/> GET, HEAD <input type="radio"/> GET, HEAD, OPTIONS <input type="radio"/> GET, HEAD, OPTIONS, PUT, POST, PATCH, DELETE	
Cached HTTP Methods	GET, HEAD (Cached by default)	
Forward Headers	<div>None (Improves Caching) ▼</div>	
Object Caching	<input checked="" type="radio"/> Use Origin Cache Headers <input type="radio"/> Customize Learn More	

Under Object Caching, if you want to change choose Custom, then specify Minimum, maximum and Default TTL values.

Object Caching	<input checked="" type="radio"/> Use Origin Cache Headers <input type="radio"/> Customize	
	Learn More	
Minimum TTL	<input type="text" value="0"/>	
Maximum TTL	<input type="text" value="31536000"/>	
Default TTL	<input type="text" value="86400"/>	
Forward Cookies	<input type="button" value="None (Improves Caching) v"/>	
Forward Query Strings	<input type="radio"/> Yes <input checked="" type="radio"/> No (Improves Caching)	
Smooth Streaming	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Restrict Viewer Access (Use Signed URLs or Signed Cookies)	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Compress Objects Automatically	<input type="radio"/> Yes <input checked="" type="radio"/> No	
	Learn More	

Default Root Object	<input type="text"/>	
Logging	<input type="radio"/> On <input checked="" type="radio"/> Off	
Bucket for Logs	<input type="text"/>	
Log Prefix	<input type="text"/>	
Cookie Logging	<input type="radio"/> On <input checked="" type="radio"/> Off	
Comment	<input type="text"/>	
Distribution State	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled	

[Cancel](#) [Back](#) [Create Distribution](#)

Distribution will start creating, you can see the status as in progress.

CloudFront Distributions

Create Distribution Distribution Settings Delete Enable Disable							
Viewing : Any Delivery Method Any State <input type="text"/> Viewing 1							
	Delivery Method	ID	Domain Name	Comment	Origin	CNAMEs	Status
<input type="checkbox"/>	Web	E2XBFMJOLTLAOC	d10febps84i6i6.cloudfront.net	-	cloudlinuxa	-	In Progress

Once completion, click on ID.

Viewing : Any Delivery Method Any State <input type="text"/>							
	Delivery Method	ID	Domain Name	Comment	Origin	CNAMEs	Status
<input type="checkbox"/>	Web	E2XBFMJOLTLAOC	d10febps84i6i6.cloudfront.net	-	cloudlinuxa	-	Deployed

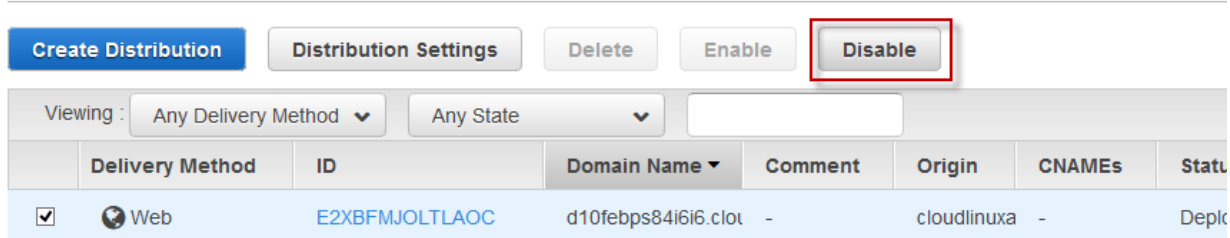
You can see the domain of your cloudfront distribution under general.

General Origins Behaviors Error Pages Restrictions Invalidations	
Edit	
Distribution ID	E2XBFMJOLTLAOC
Log Prefix	-
Delivery Method	Web
Cookie Logging	Off
Distribution Status	Deployed
Comment	-
Price Class	Use Only US, Europe and Asia
AWS WAF Web ACL	-
State	Enabled
Alternate Domain Names (CNAMEs)	-
SSL Certificate	Default CloudFront Certificate (*.cloudfront.net)
Domain Name	d10febps84i6i6.cloudfront.net
Custom SSL Client Support	-
Default Root Object	-
Last Modified	2016-05-06 22:39 UTC+5:30
Log Bucket	-

REMOVE CLOUDFRONT DISTRIBUTION

To remove the distribution, select the distribution then choose disable.

CloudFront Distributions

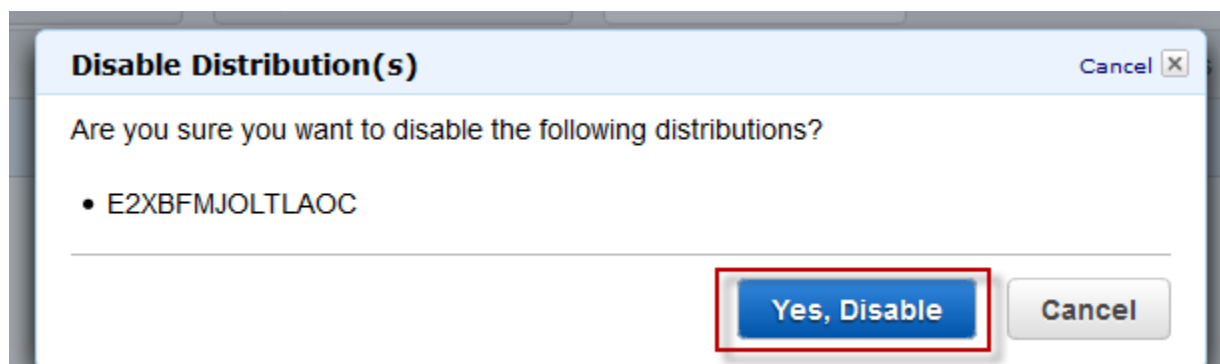


Buttons: Create Distribution, Distribution Settings, Delete, Enable, **Disable**

Viewing: Any Delivery Method, Any State

	Delivery Method	ID	Domain Name	Comment	Origin	CNAMEs	Status
<input checked="" type="checkbox"/>	Web	E2XBFMJOLTLAOC	d10feb84i6i6.cloudfront.net	-	cloudlinux	-	Deployed

Confirm the disabling distribution.



Disable Distribution(s) [Cancel]

Are you sure you want to disable the following distributions?

- E2XBFMJOLTLAOC

Yes, Disable [Cancel]

It will start disabling, once done status will change to Disabled.

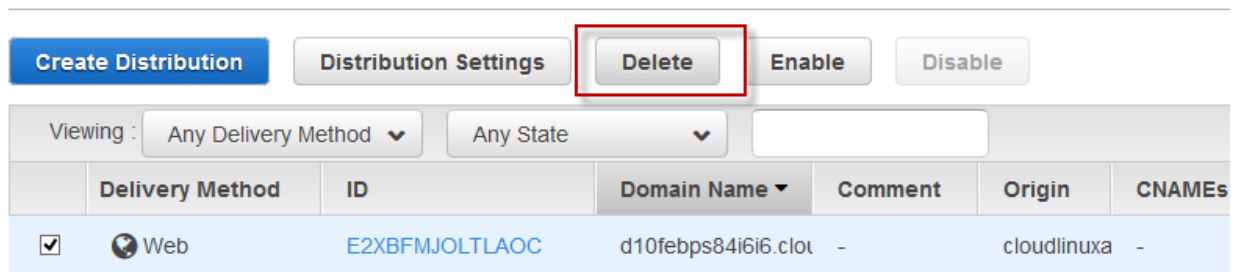


Buttons: Create Distribution, Distribution Settings, Delete, Enable, Disable, [Refresh], [Settings]

Viewing: Any Delivery Method, Any State

	Delivery Method	ID	Domain Name	Comment	Origin	CNAMEs	Status	State	Last Modified
<input type="checkbox"/>	Web	E2XBFMJOLTLAOC	d10feb84i6i6.cloudfront.net	-	cloudlinux	-	Deployed	Disabled	2016-05

Choose distribution, select Delete to delete the distribution.

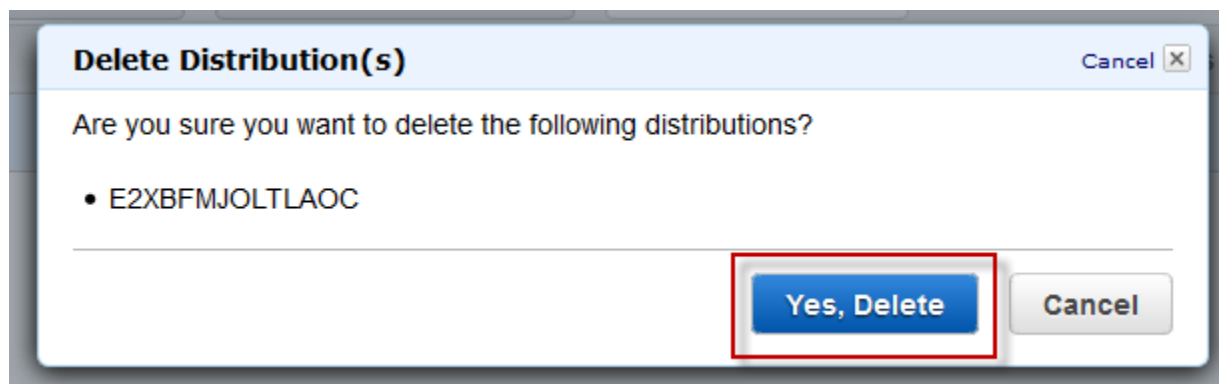


Buttons: Create Distribution, Distribution Settings, **Delete**, Enable, Disable

Viewing : Any Delivery Method ▾ Any State ▾

	Delivery Method	ID	Domain Name ▾	Comment	Origin	CNAMEs
<input checked="" type="checkbox"/>	Web	E2XBFMJOLTLAOC	d10febbs84i6i6.clot	-	cloudlinuxa	-

Confirm deletion, by clicking on Yes, Delete button.



Delete Distribution(s) Cancel X

Are you sure you want to delete the following distributions?

- E2XBFMJOLTLAOC

Yes, Delete Cancel