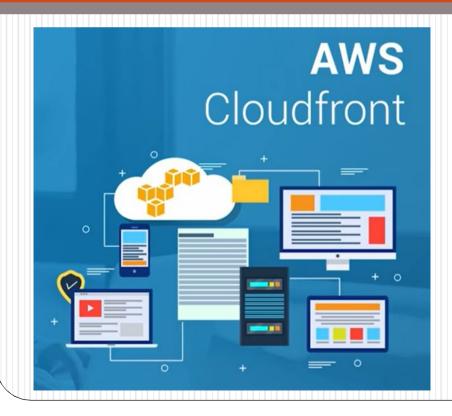
PaaS- Production Environment

CloudFront



By: Tamal Dey, MCA, PESU

Agenda

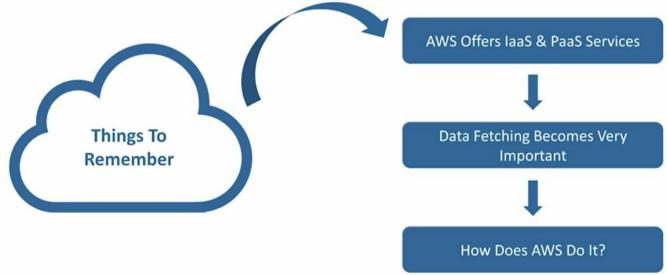


What Is AWS?



Amazon Web Services (AWS) is a secure cloud services platform, offering compute power, database storage, content delivery and other functionality to help businesses scale and grow.

What Is AWS?



By: Tamal Dey, MCA,

Need For AWS CloudFront



Scenario 1- Cloud Data Transmission















שע. דמוזומו שכץ, ועוכא, ד בש

What Is AWS CloudFront?

Amazon CloudFront is a web service that speeds up distribution of your static and dynamic web content, such as .html, .css, .js, and image files, to your users.

Key Notations:

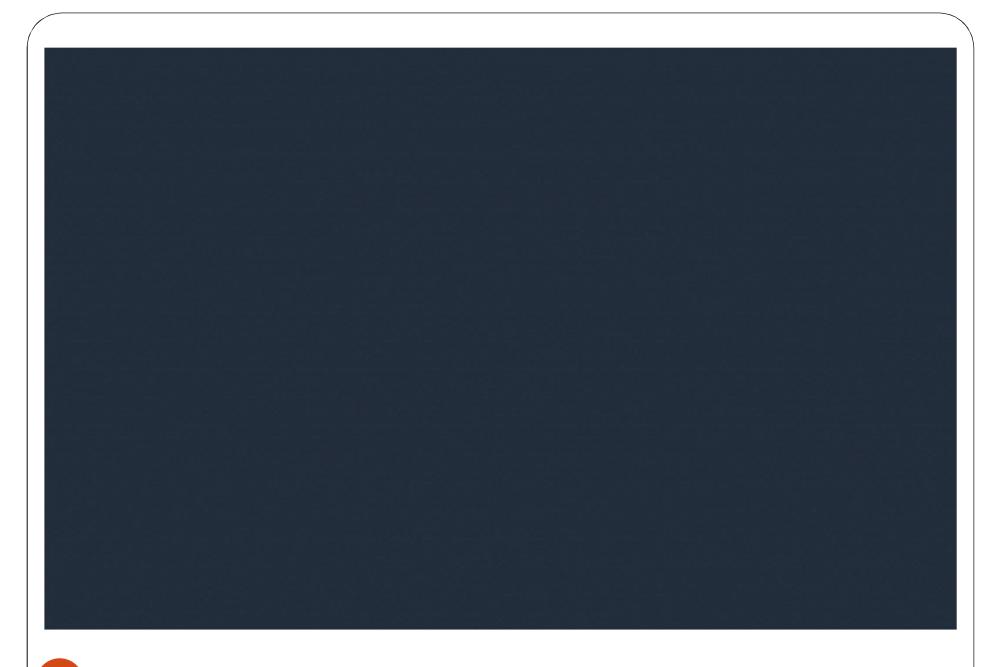






How AWS CloudFront Delivers Content?





Applications/Benefits

Accelerate Static Website Content Delivery



Serve On-Demand or Live Streaming Video

Encrypt Specific Fields Throughout System Processing

Customize at the Edge

Serve Private Content by using Lambda@Edge Customizations

Steps

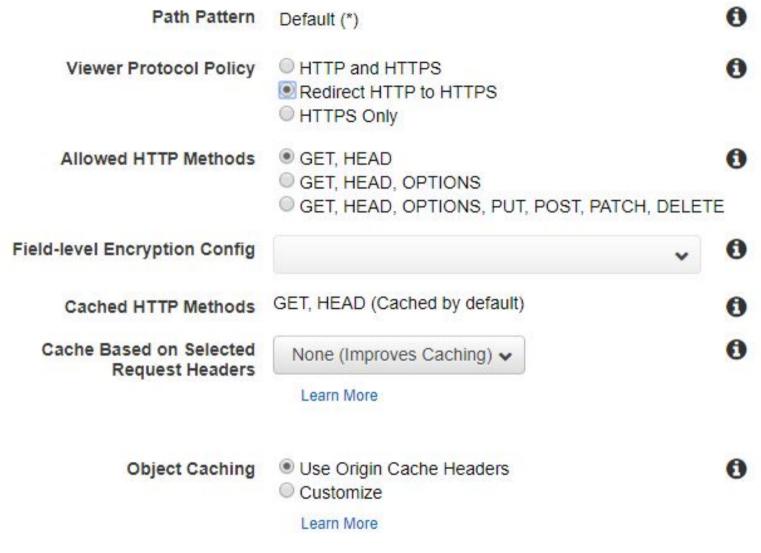
- Create a S3 bucket with restricting public access with standard bucket policy
- Upload one (each) image, video and html file with read and write permission for owner
- Go to CloudFront from Network & Content Delivery
 - Create Distribution
 - Step 1: Select delivery method
 - Choose web [For static content display]
 - Choose RTMP [For streaming live media]
 - Real-Time Messaging Protocol (RTMP)
 - Step 2: Create distribution

Create Distribution

Origin Settings

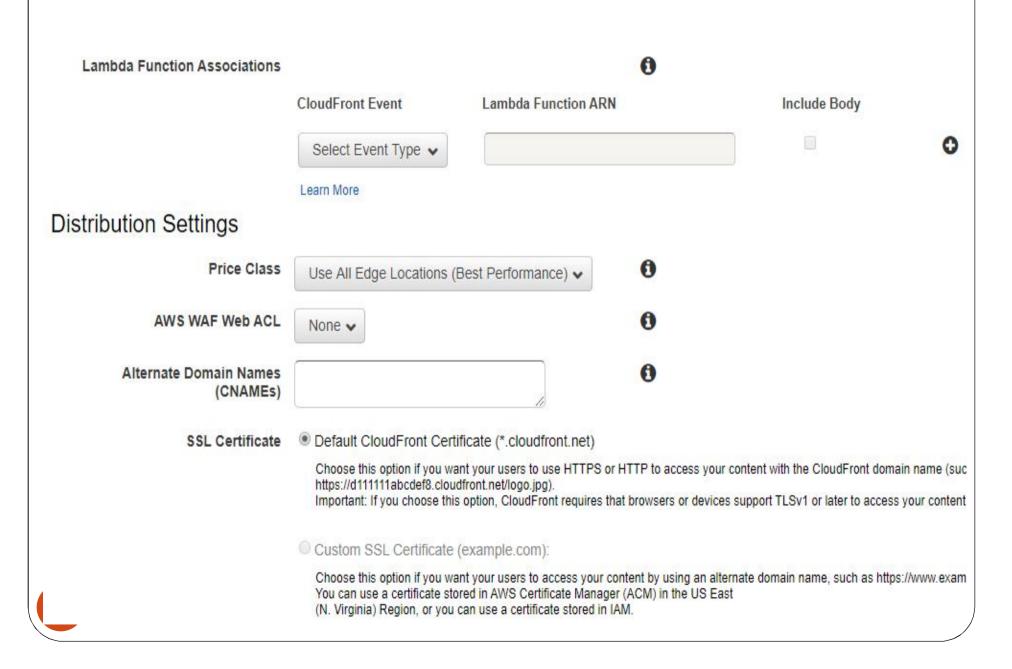
Origin Domain Name	cloudfronttoday.s3.amazonaws.com	0		
Origin Path		0		
Origin ID	S3-cloudfronttoday	0		
Restrict Bucket Access	Yes No	0		
Origin Access Identity	 Create a New Identity Use an Existing Identity After (-)type O 	igin Domain Name		
Comment	access-identity-cloudfronttoday.s3.amazonaws.co			
Grant Read Permissions on Bucket	 Yes, Update Bucket Policy No, I Will Update Permissions 	0		
Origin Custom Headers	Header Name	Value		

Default Cache Behavior Settings



Minimum TTL	0	0
Maximum TTL	31536000	0
Default TTL	86400	0
Forward Cookies	None (Improves Caching) ✔	0
Query String Forwarding and Caching	None (Improves Caching) ✔	0
Smooth Streaming	○ Yes ● No	0
Restrict Viewer Access (Use Signed URLs or Signed Cookies)	○ Yes● No	0
Compress Objects Automatically	YesNo	6
	Learn More	

By: Iamai Dey, MCA, PESU



Supported HTTP Versions	● HTTP/2, HTTP/1.1, HTTP/1.0● HTTP/1.1, HTTP/1.0	0	
Default Root Object		0	
Logging	○ On ● Off	0	
Bucket for Logs		0	
Log Prefix		0	
Cookie Logging	On Off	0	
Enable IPv6	Learn more	•	
Comment		0	
Distribution State	Enabled Disabled	•	
			Cancel Back Create Distribution

By: Tamal Dey, MCA, PESU

Output Link

- Click on Distribution [Top Left Corner]
 - Waiting Time [5 to 10 Minutes]
 - Click on DNS/filename

References

- https://www.youtube.com/watch?v=sQNONcj0cvc
- https://www.youtube.com/watch?v=AT-nHW3_SVI
- https://www.youtube.com/watch?v=KIItfPRpTi4
- https://www.youtube.com/watch?v=Ideptk0sJcM