## SUMMARY:

This Lab covers CDN - Adding CDN, Adding HTTPS to CDN distro using ACM

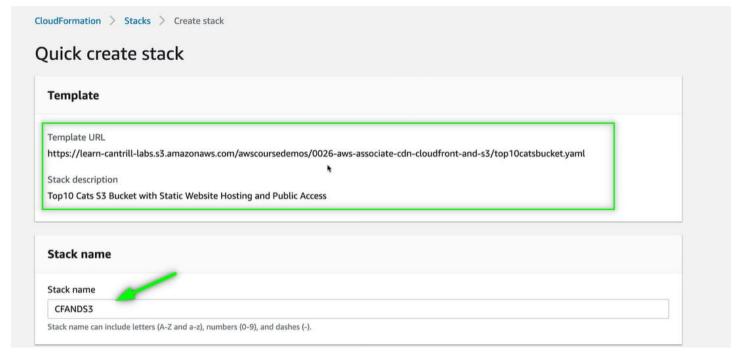
#### Contents

# 1. Adding a CDN to a static Website using S3 and CloudFront - Part 1

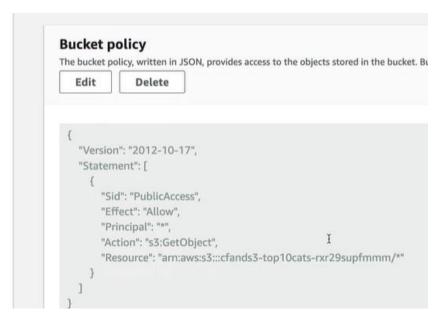
In this [DEMO] lesson you will learn how to implement a CloudFront distribution using an S3 bucket as the origin.

Use deployment stack from lesson, and Whiskers.jpg file.

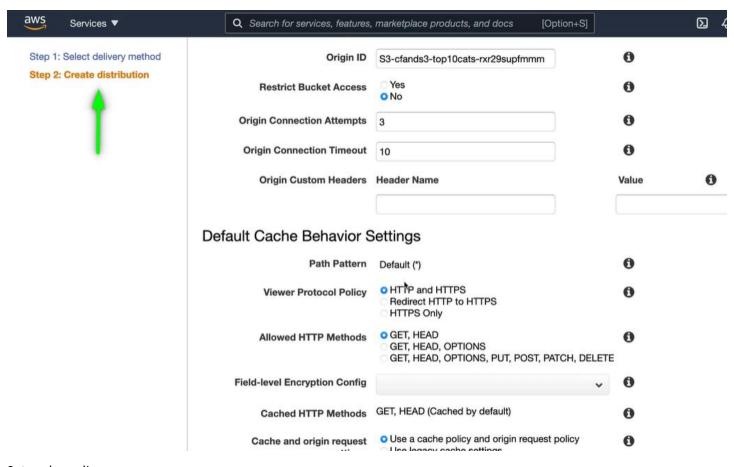
Stack will create the static website we will use to setup CloudFront with:



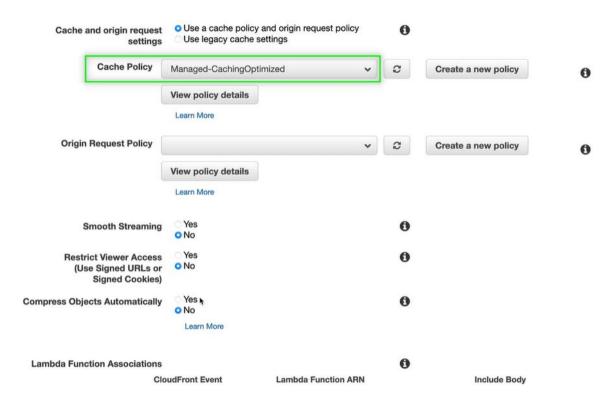
Confirm bucket policy for S3:



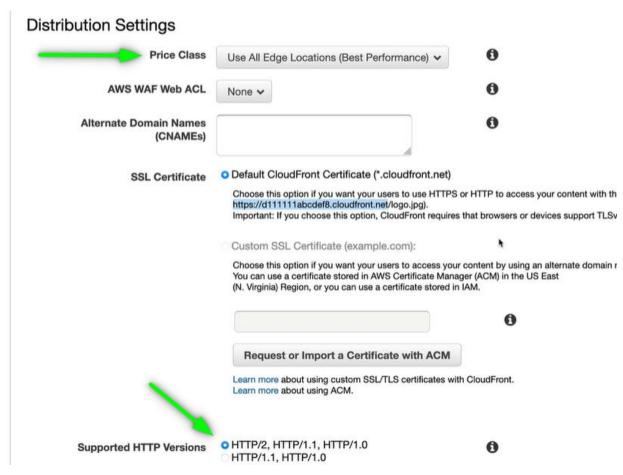
### Create and configure a CDN:



Set cache policy:



## Configure best performance and http versions:



#### Set root object:



# 2. Adding a CDN to a static Website using S3 and CloudFront - Part 2

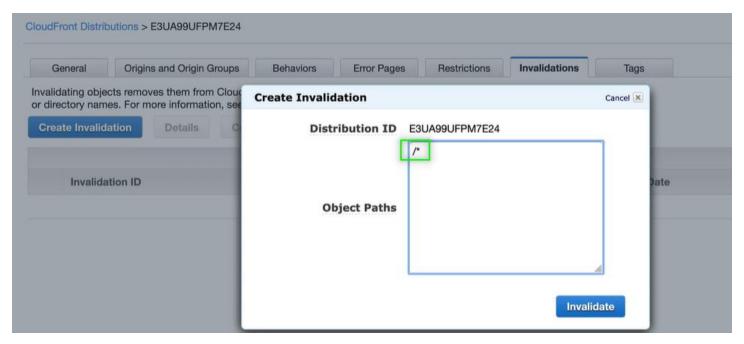
In this [DEMO] lesson you will learn how to implement a CloudFront distribution using an S3 bucket as the origin.

#### CDN is now active:

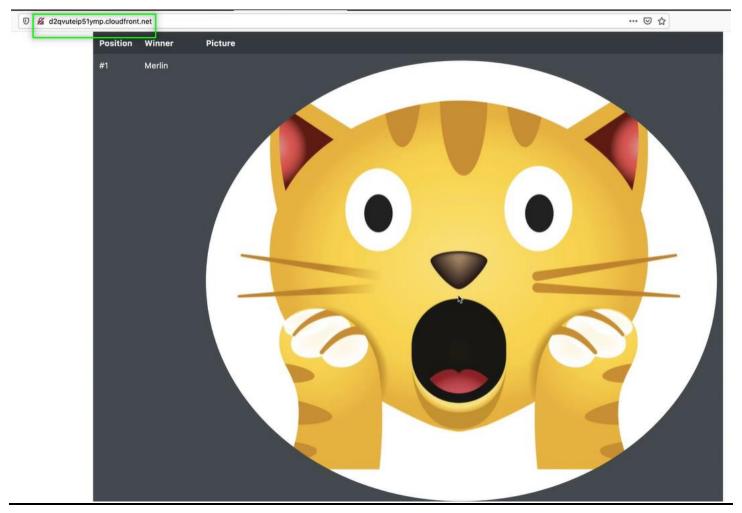
#### CloudFront Distributions



#### Create invalidation for all:



Creates origin fetch – not going to nearest cached anymore.

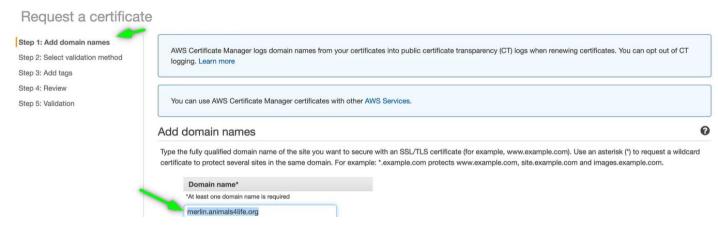


# 3. Adding a Custom Domain and HTTPS to a cloudFront distribution using ACM

In this DEMO lesson you will gain experience of adding an Alternate domain name for a CloudFront Distribution and enabling HTTPS capability via a ACM generated certificate.

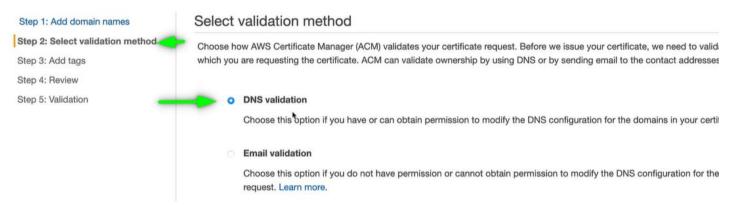
To do this demo you will need a domain registered and hosted within R53

Add domain name:

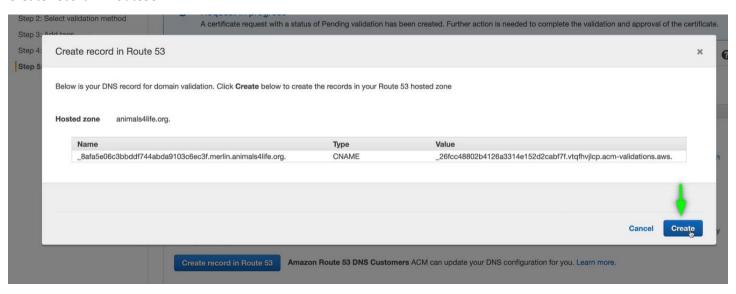


#### Utilize DNS validation:

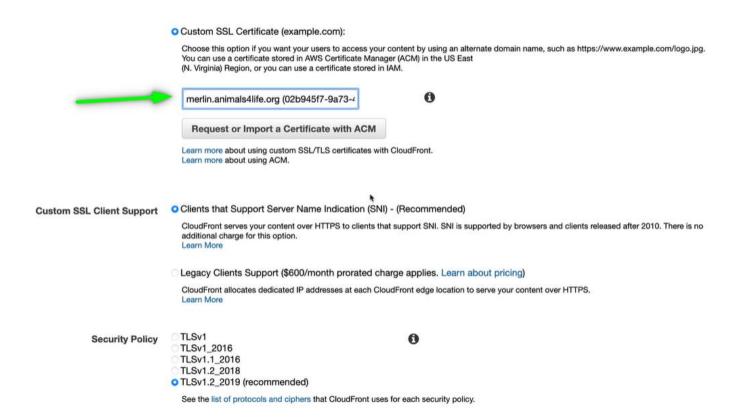
## Request a certificate



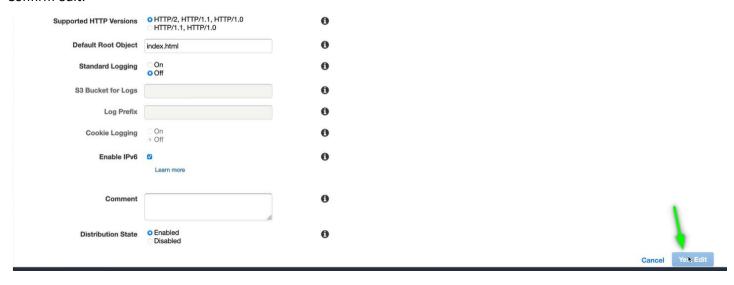
#### Create record in Route53:



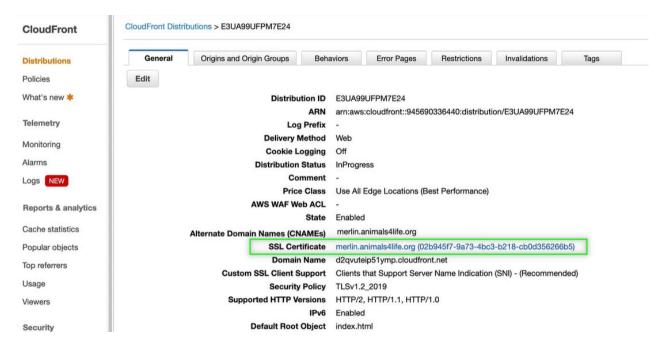
#### Configure distribution settings:



#### Confirm edit:



SSL cert to be distributed:



### Configure record, this will route and use HTTPS now:

