1. Configure Classic Load balancer.

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First, I’ve launched 2 instances using HTTPD then Edited the Index.html file as Welcome to server-1 and server-2

Then I’ve launched a Classic Load Balancer and in Target Instances I’ve attached with both the ec-2 instances and then when we go to listeners, we will get a DNS – (Domain Name System) copy that URL and paste it on the browser we’ll get the output once as

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Then if we reload it again it will redirect to server 2 and will get output as follows

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2) Configure Application Load balancer.

To Create an Application Load Balancer, I’ve created a Target Group as Music

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After creating Target Group. I’ve attached target group to Load Balancer and with DNS name - AppLb-495920232.us-east-1.elb.amazonaws.com the request will check for the port number it is listening to and the rule will decide for which particular group the traffic should be redirected.A computer screen shot of a computer

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1. Configure Network Load balancer.

I have Created a Network Load balancer as Netlb and attached a Target Group Music to it.

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4) Attach SSL for application load balancer.

I have Created one SSL Certificate to get secured from the website and attached to my DNS to get the secured connection.

I requested for the certificate and added the issued certificate to Route53 first.

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and then added them to Application Load Balancer as follows:

Go to Load Balancers -> select Load Balancer -> Go to Listeners and Rules -> Add Listeners -> Change Protocol to HTTPS to get secured connection -> Add Target Group -> Attach SSL/TSL certificate which is issued and save changes.

Now, when you check with your DNS name it shows the output as follows

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And the connection is Secured.  
5) Map Application load balancer to R53.

To Map Application Load Balancer to R53, I have to add A record in R53 for that I have chosen Record Type as A

Alias – Yes

Route Traffic to – Application Load Balancer and Classic Load Balancer

Region – Virginia

End point - dualstack.AppLb-495920232.us-east-1.elb.amazonaws.com

And I’ve Created Records.

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In This way I have mapped the A server in Hosted Zone to Route the Traffic in Route53.

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6) Push the application load balancer logs to s3

To Push Application Load Balancer logs to s3,

I Created a Bucket named bucket211298 and attached a policy

{

"Version": "2012-10-17",

"Id": "ALBAccessLogsPolicy",

"Statement": [

{

"Sid": "AWSALBLogsPolicy",

"Effect": "Allow",

"Principal": {

"Service": "logdelivery.elasticloadbalancing.amazonaws.com"

},

"Action": "s3:PutObject",

"Resource": "arn:aws:s3:::bucket211298/AWSLogs/594541046417/\*"

}

]

}

And then I went into load balancer and to attributes and edited the logs and browsed with my s3 logs and saved.

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