**How to integrate the loadbalancer to application server and act like a firewall & how to create target group :  
  
Step1:** create a instance for application.  
**step2:**  create a **target group** choose as target type as instances.  
\*\* give a target group name   
\*\* finally click it on next button and add to register as what ever application port number for   
example if it is Jenkins then provide port no as 8080 and check the instance save it.  
  
**Step3:** creating a loadbalancer   
\*\* click on create loadbalancer button and select the Application load balancer.  
\*\* give the loadbalancer name.  
 \*\* scheme as internet  
\*\* select protocol as http or https   
\*\* Forward to created target group select that target group  
\*\* IF you choose protocol as https then you need to create a ACm(amazon certified management)  
\*\* select the default vpc if you not created any vpc means.  
\*\* then finally create loadbalancer.  
  
**Step4**: select the loadbalancer security group copy it and paste it on the application instance server security group.  
\*\* for that go to app instances server click on security group edit the inbound rules and paste the loadbalancer security group id as select type as custom tcp  
and give the port range as your application server portnumber.  
eg :Jenkins app means you need to provide port no as 8080 .  
and in the source select as custom &paste the loadbalancer security group and save the rules.  
  
 **Step5:** Again go to security groups and select the loadbalancer security group id and edit the inbound rule select type as all traffic and in the source select as custom and specify 0.0.00/0 and then save it.  
  
**Step6**: **How to create ACM(Amazon certificate management)**\*\* click on Request button and select certificate type   
\*\* Request a public certificate select next .  
Select Domains names specify the name like example.com, example.in,www.example.com  
\*\* click on request button and it will take 30minutes time to active the domainname thenafter create a records in route53.  
  
**Step7**: How to create route53   
\*\* select hosted zones   
\*\* give the record name where you created domain name in go daddy or some where else and select record type as CNAME.–  
\*\* give the value info where you created domain name in go daddy or some else where.  
eg value info uder:  
ns-650.awsdns-17.net.  
ns-1331.awsdns-38.org.  
ns-2009.awsdns-59.co.uk.  
ns-73.awsdns-09.com.