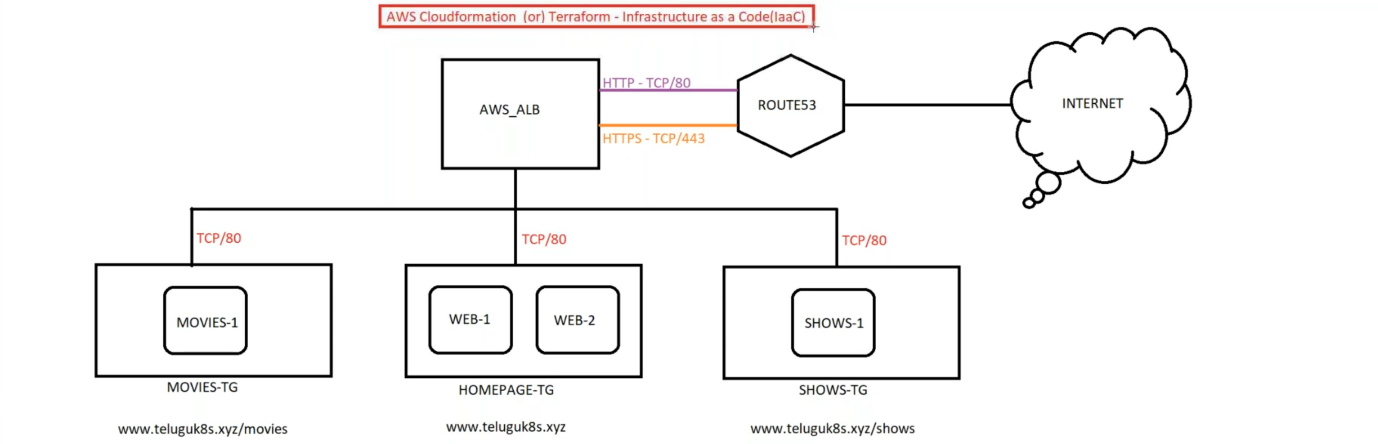
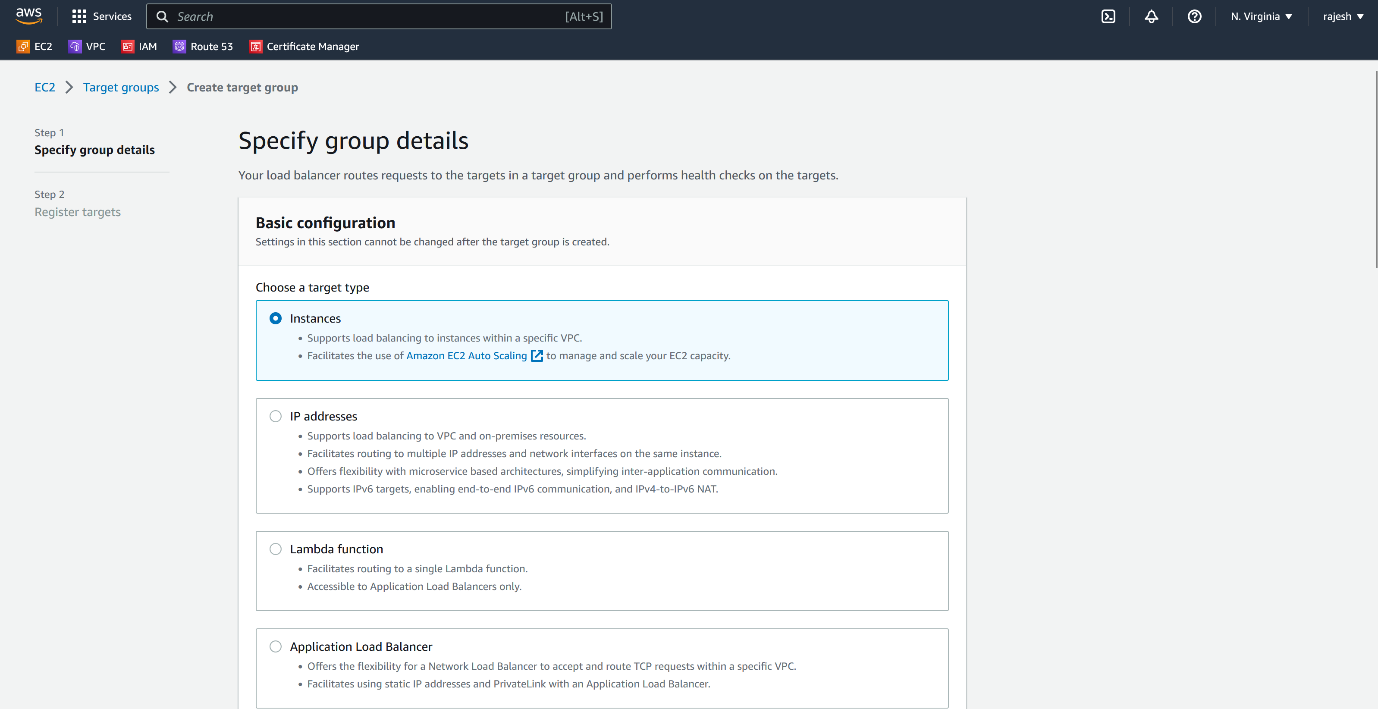
**19.AWS-B30-AWS-ApplicationLoadBalancers**

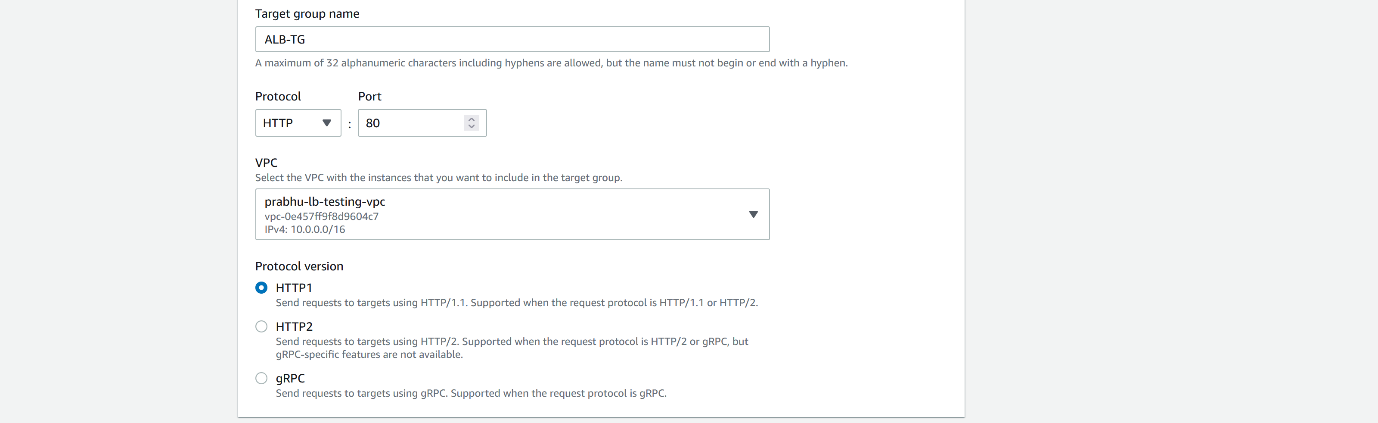
--- Application load balancer key points:

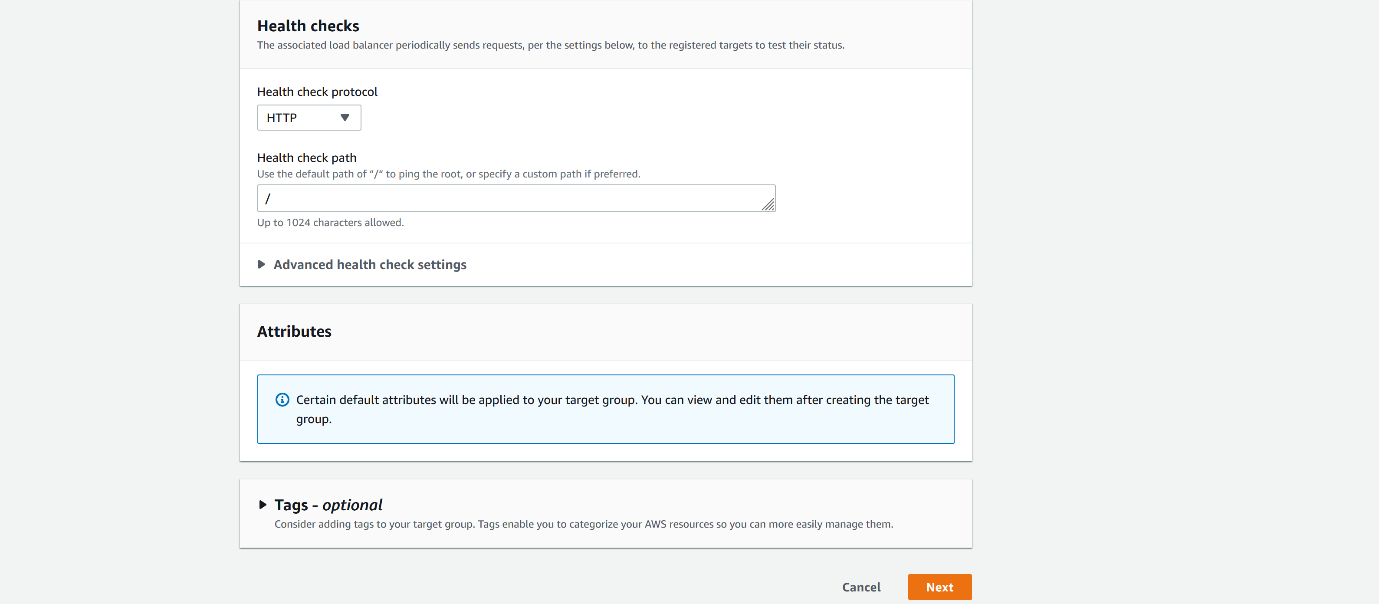
1. HTTP to HTTPS redirection.
2. URL or path-based routing to multiple target groups.
3. It is mainly for applications.

**Target group creating**

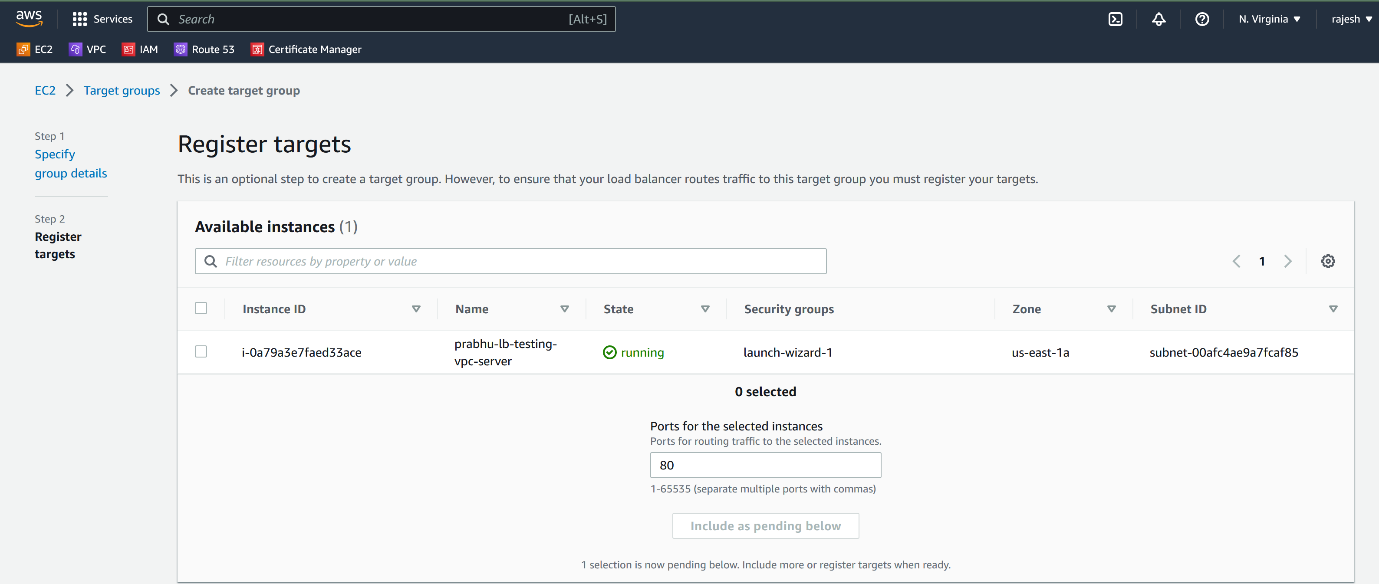


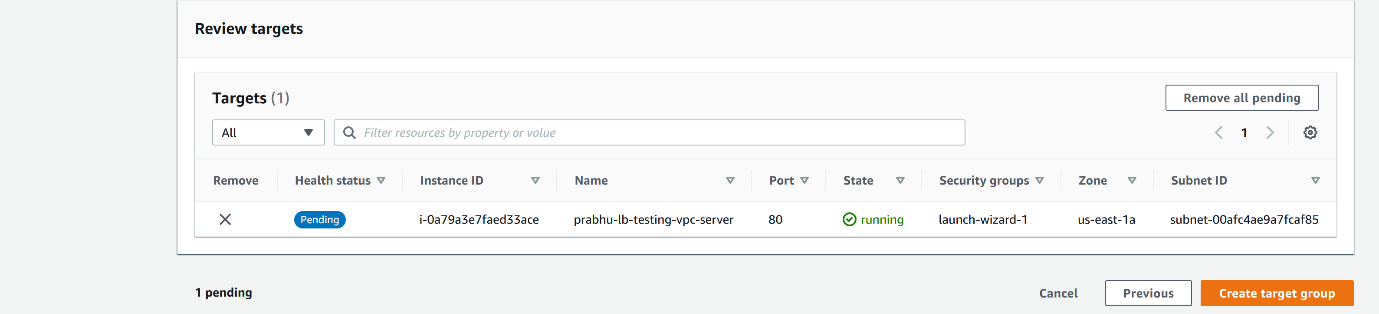






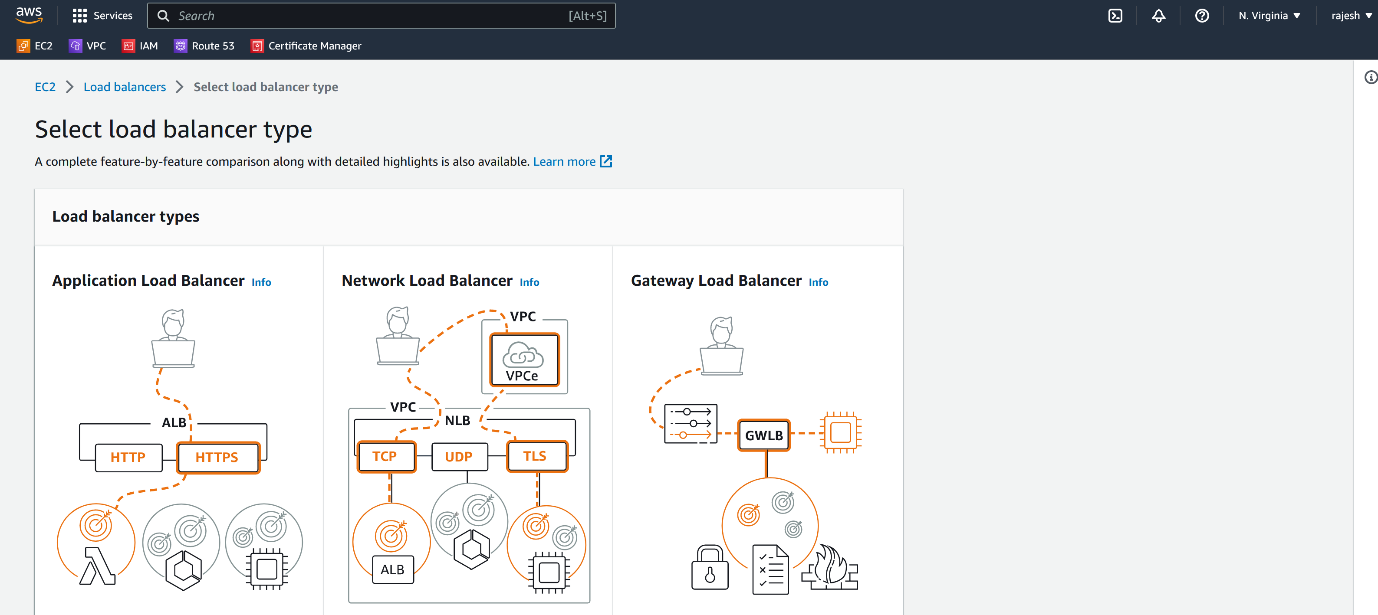
--- Click on next.

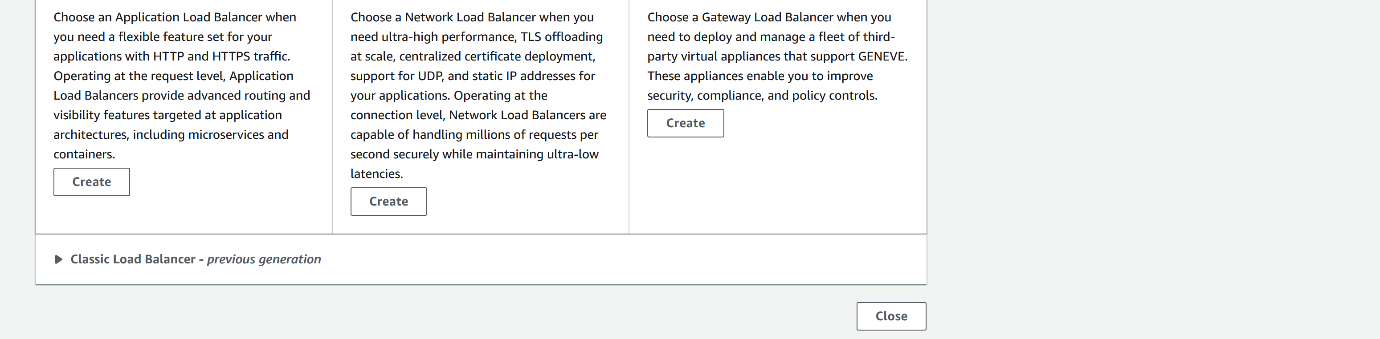




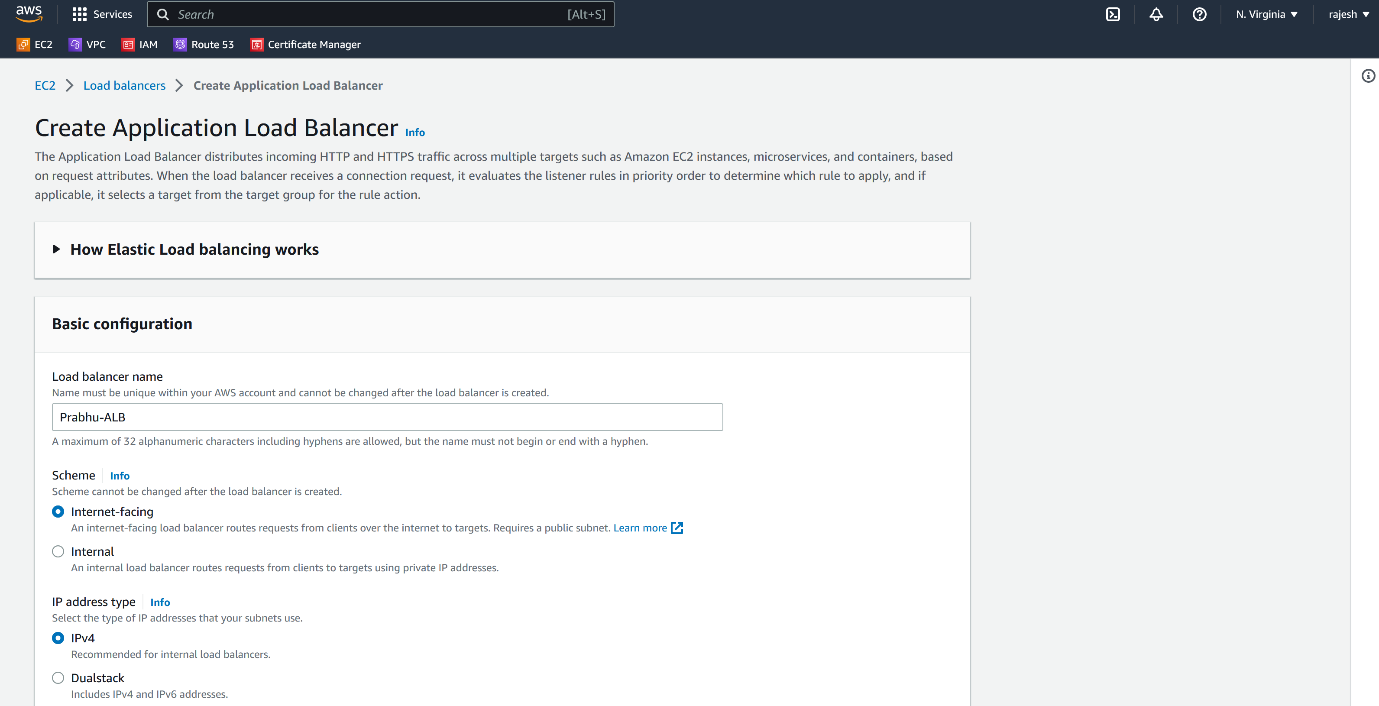
--- click on create target group.

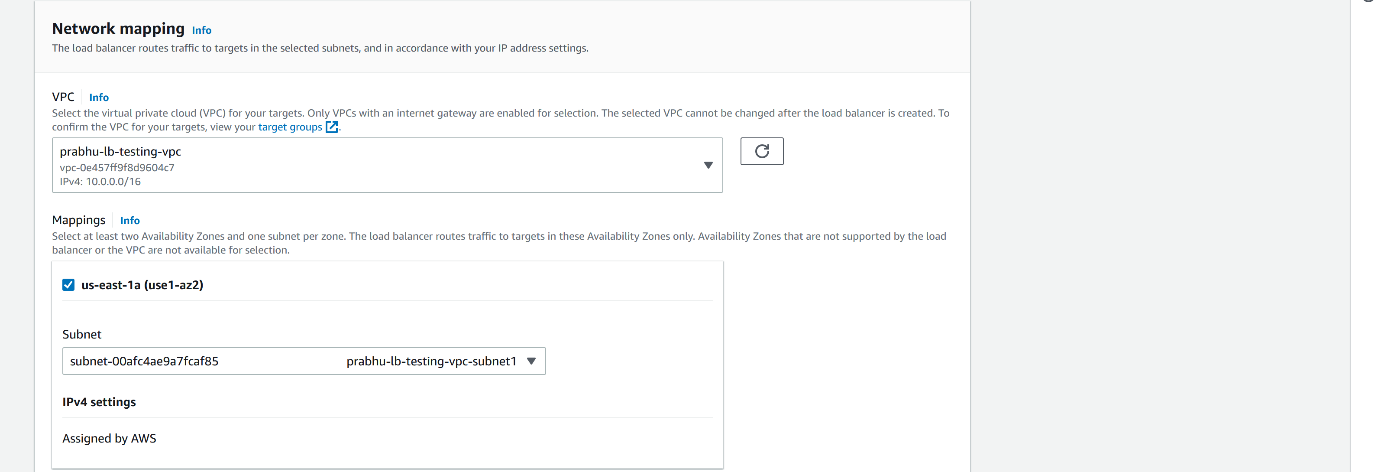
**Application Load balancer creating**

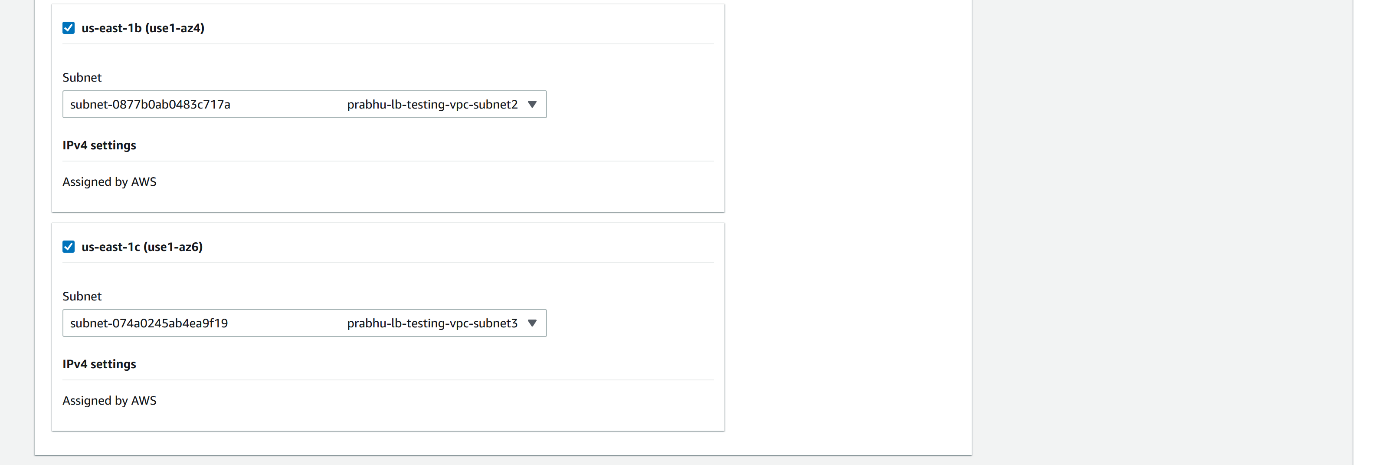


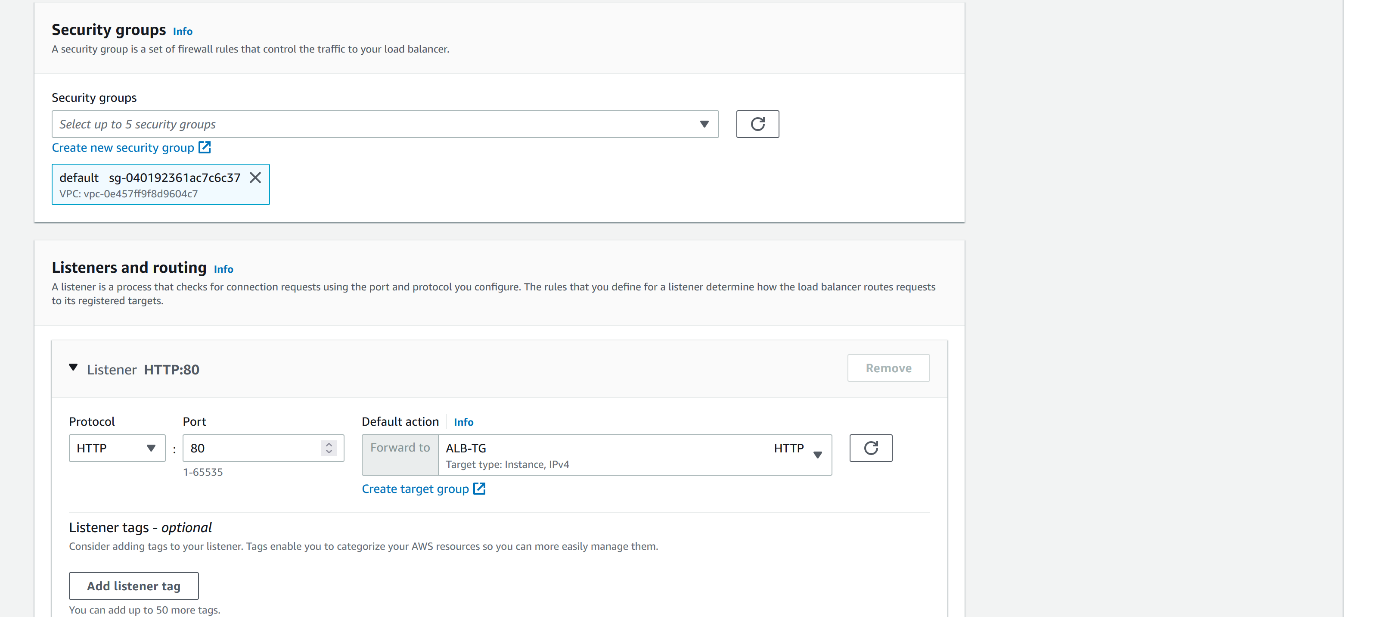


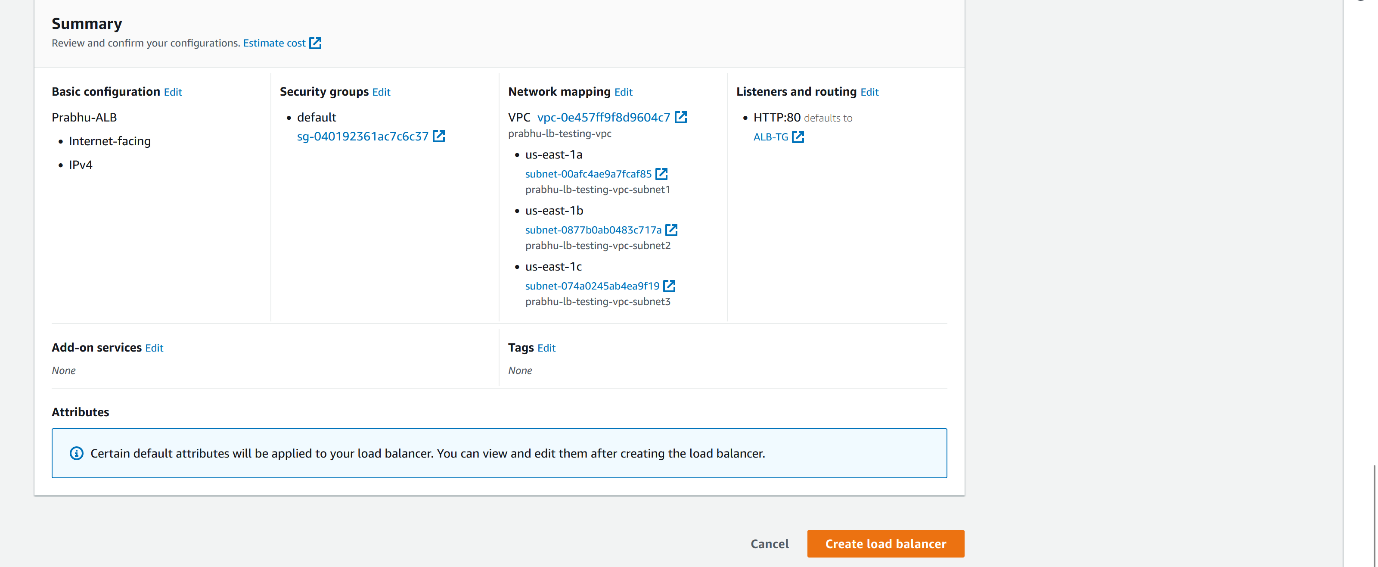
--- create Application Load balancer.







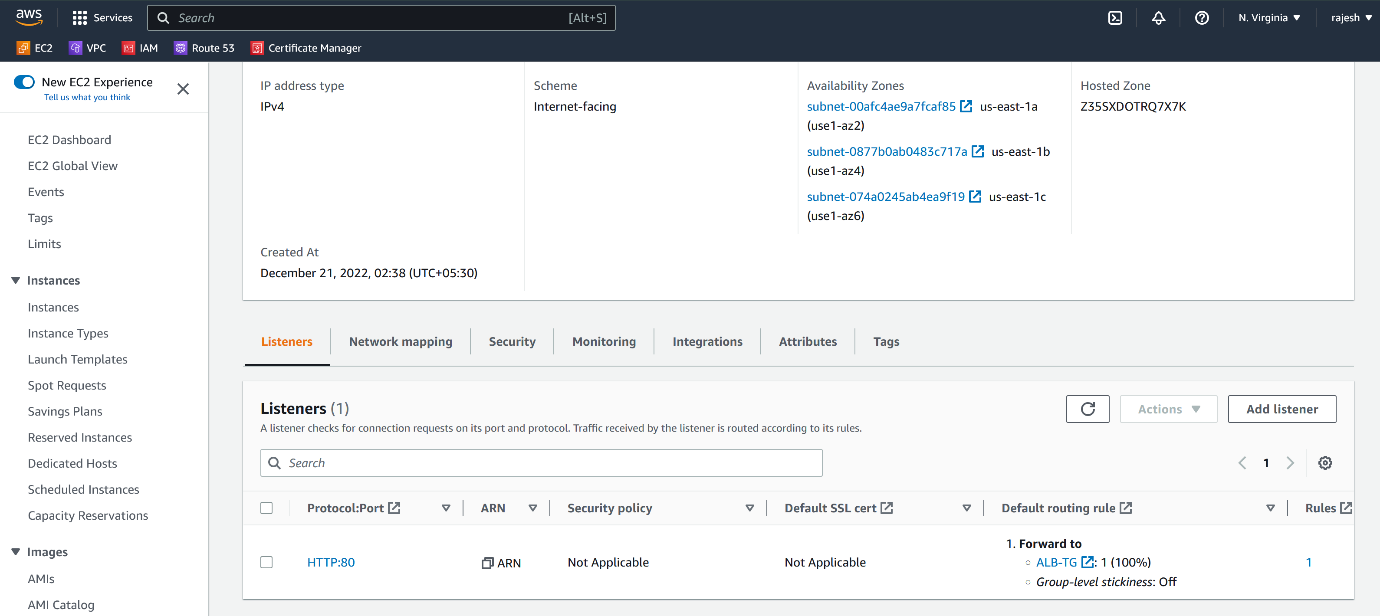




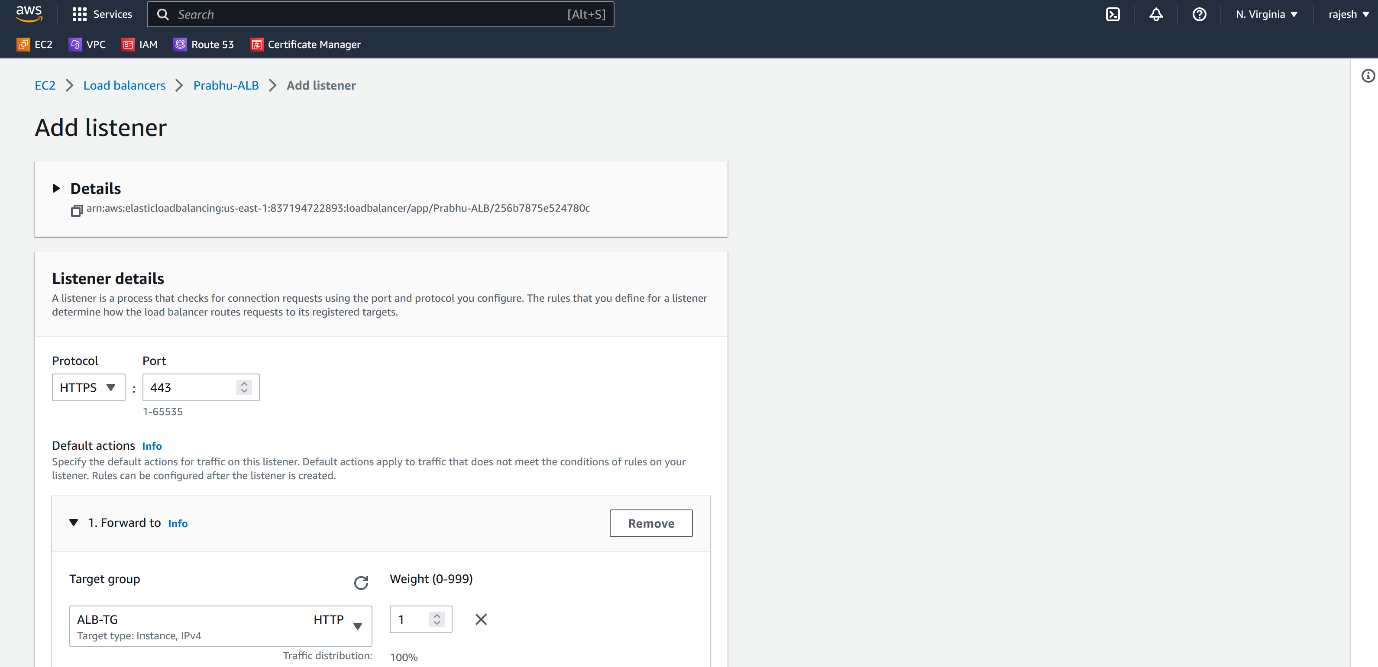
--- Click on create Load balancer.

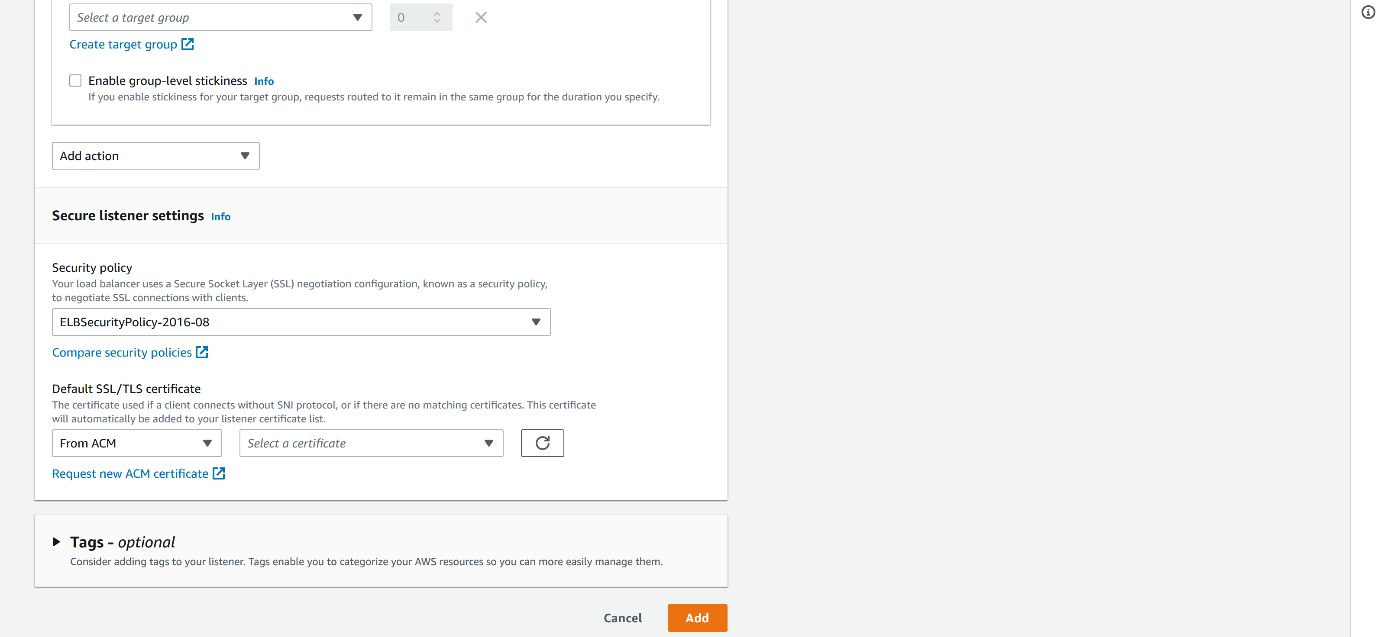
**Add listener to load balancer**

--- click on the load balancer.



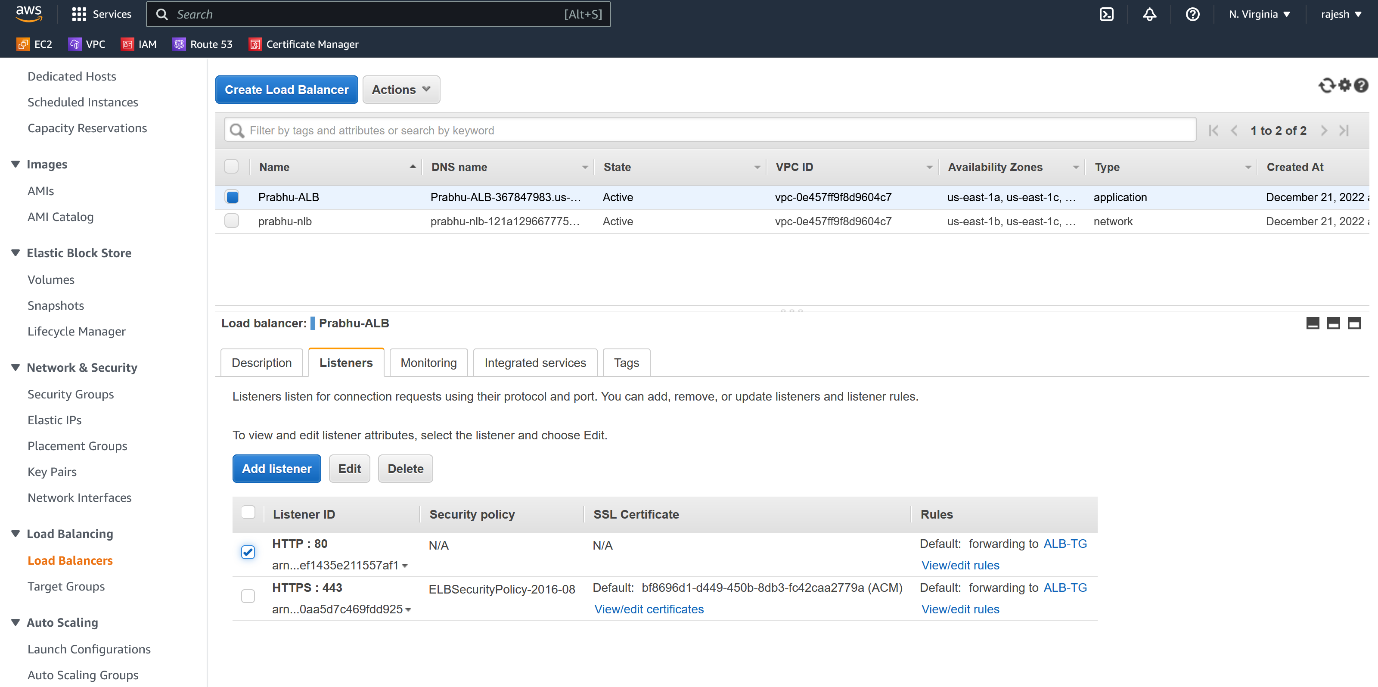
--- click on add listener.



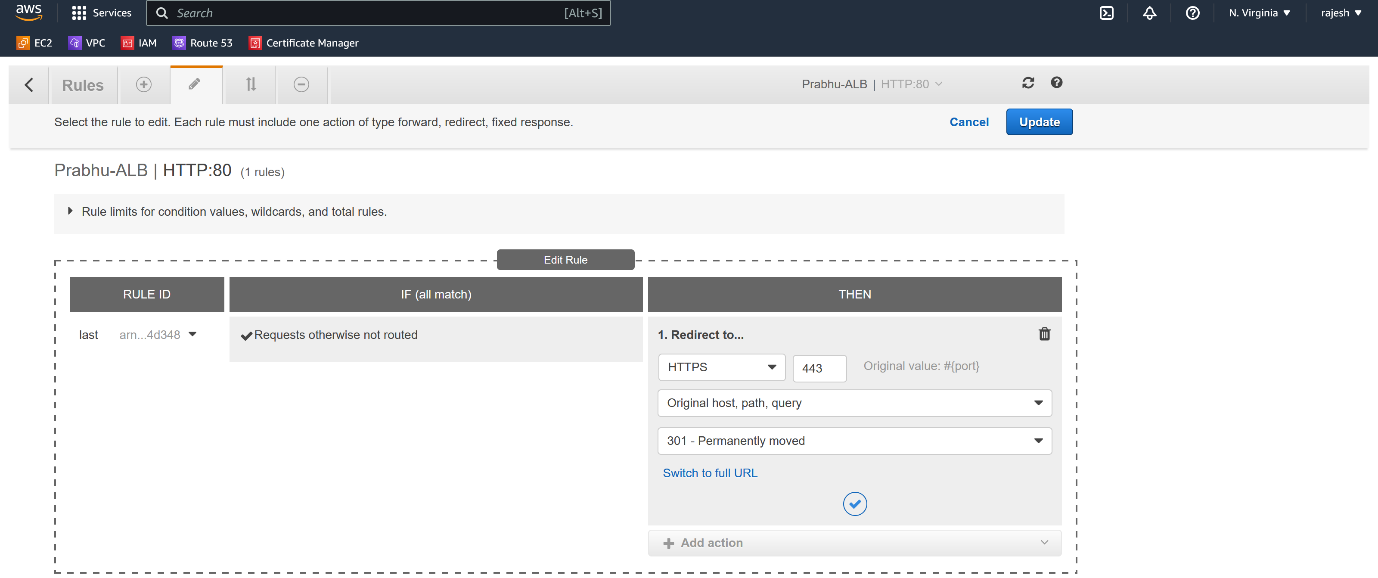


--- click on add.

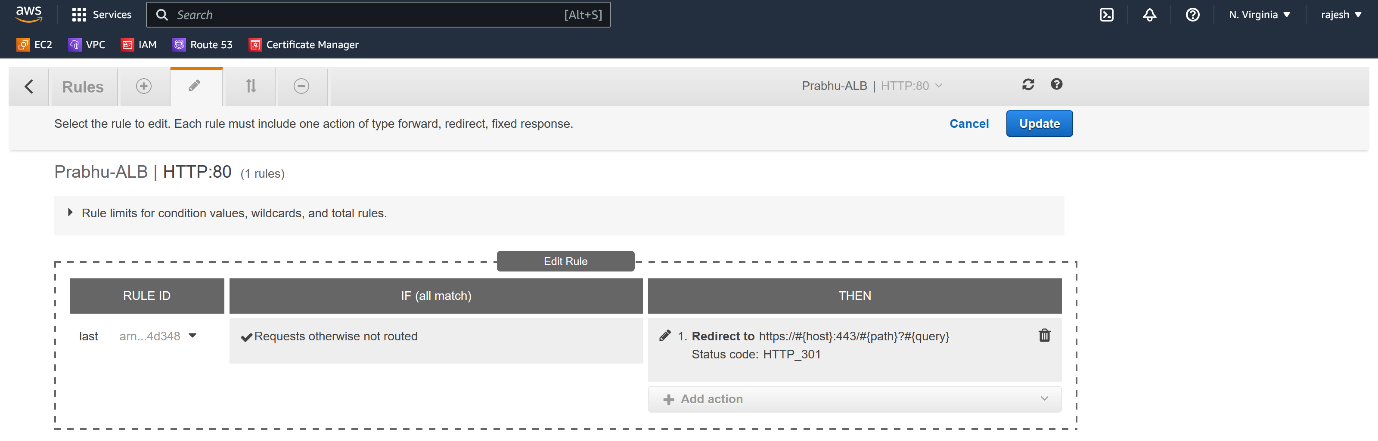
**http to https redirection**



--- click on view and edit rules.

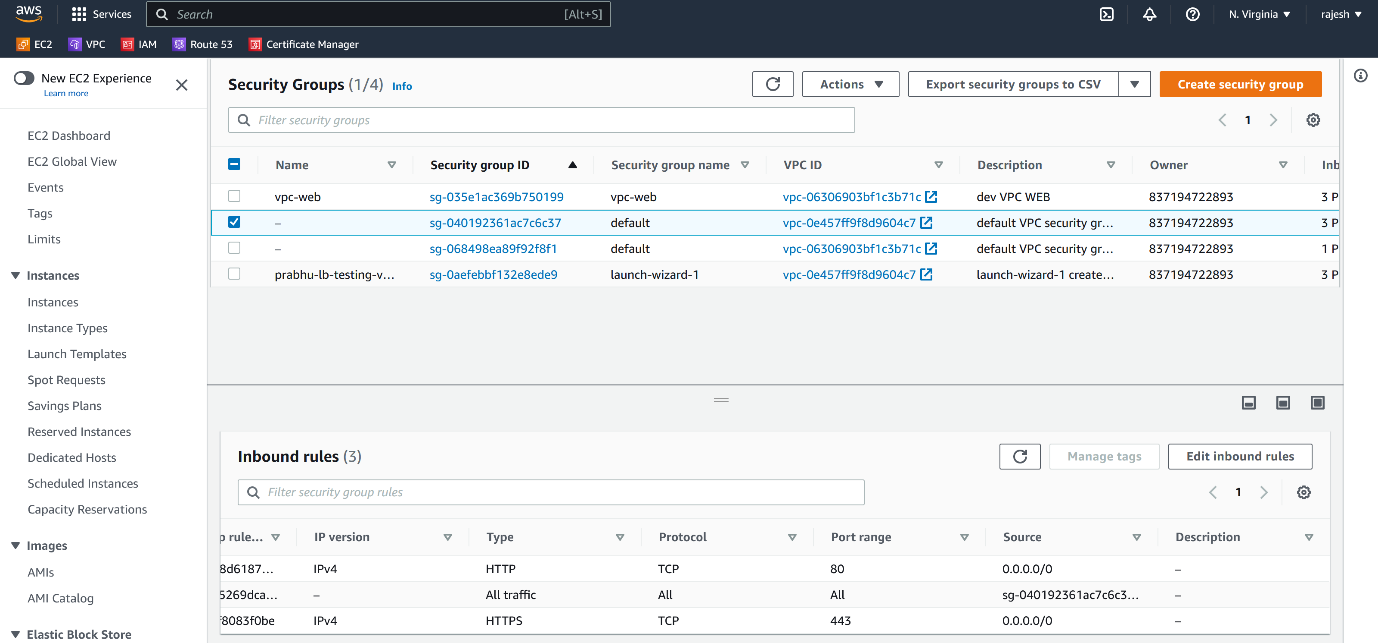


--- click on right icon.



--- **note** – now we successfully redirected from http to https.

**Allow 80 and 443 in application security group**



--- **note** - here I am allowing http and https ports in application security group. If you opened another port in listeners then please open that port in application load balancer group as well.