Load balancer and Auto Scaling Group

Load Balancer-

Load balancing plays and important security role as computing moves evermore to the cloud. Load Balancer improve allpication performance by increasing response time and reducing network Letency. Also Distribute the load evenly between servers to improve application performance.

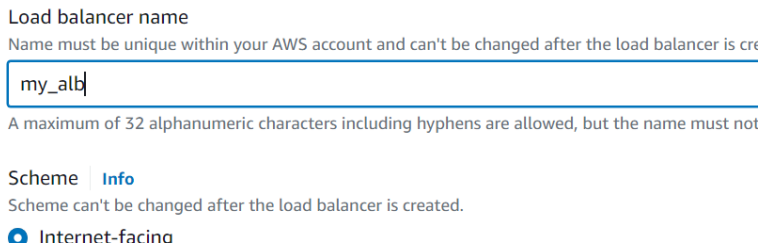
There are four type Load Balancer :

a. Application Load Balancer

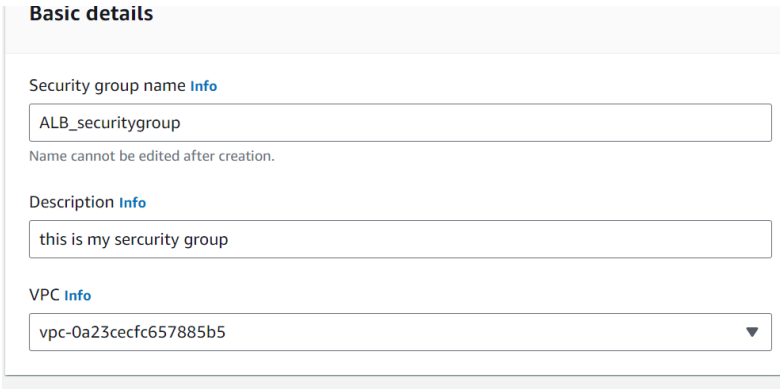
b. Network Load Balancer

c. Classic Load Balancer

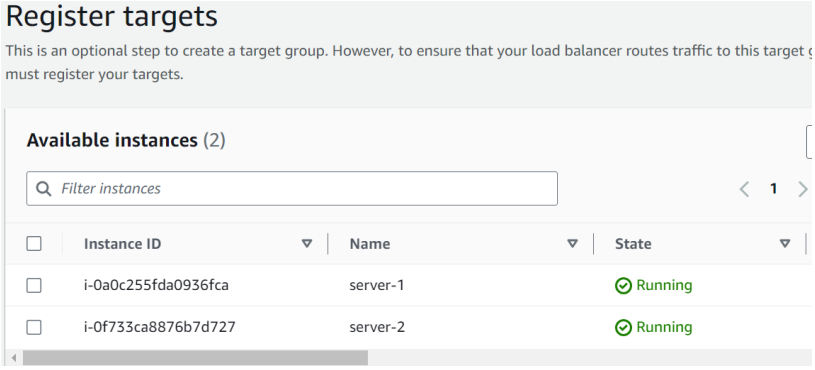
d. Gateway Load Balancer



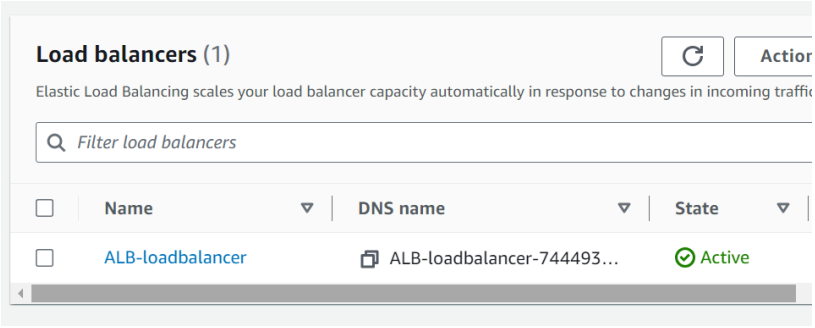
2. after this create security group



3. Attach security group which you have create one then create target group. And the it will show 2 servers running. These 2 ervers which I want to behind load balancer.



4. This is how you create load balancer and distribute the traffics.

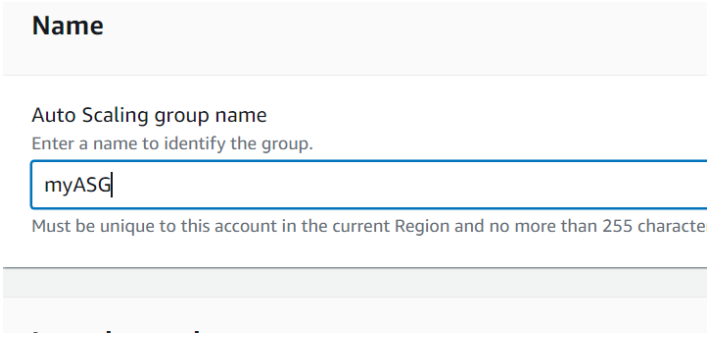


5. In this scenario I have created 2 servers manually myself if traffic is increase I want to have more servers, how can I do that. In this situation we need to **Auto Scaling group.**

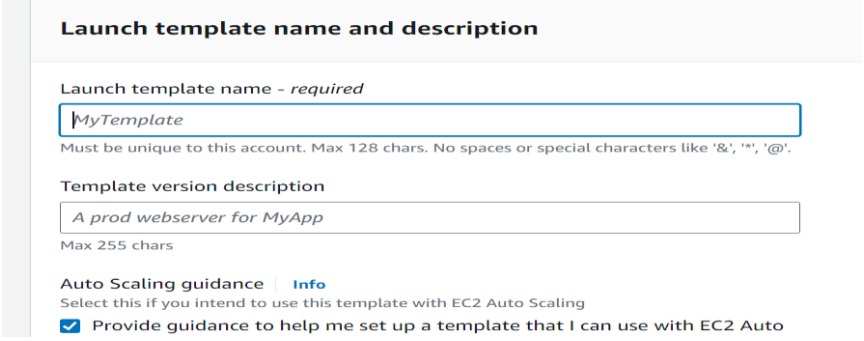
Auto Scaling Group

Auto scaling is autometically scale up and scale down of your number of instances. **Using AWS Auto Scaling, it's easy to setup application scaling for multiple resources across multiple services in minutes.**

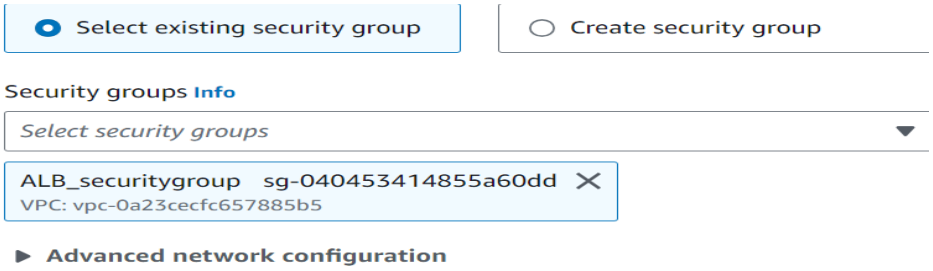
6. Give here name to create autoscaling group.

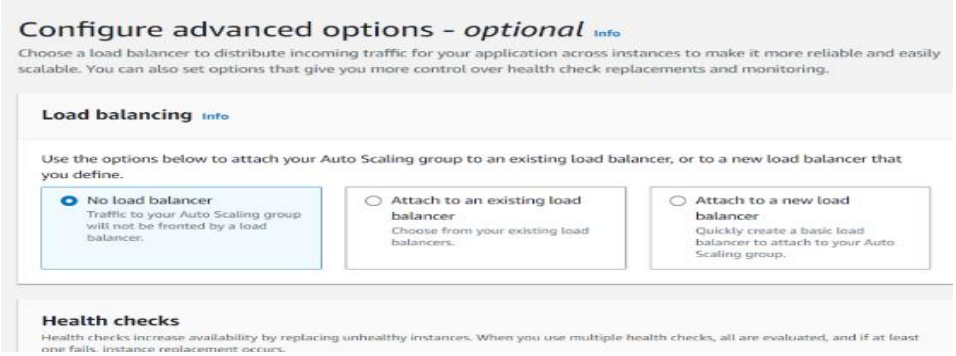


7. Templets which define what should be the settings for new instances created by auto scaling.

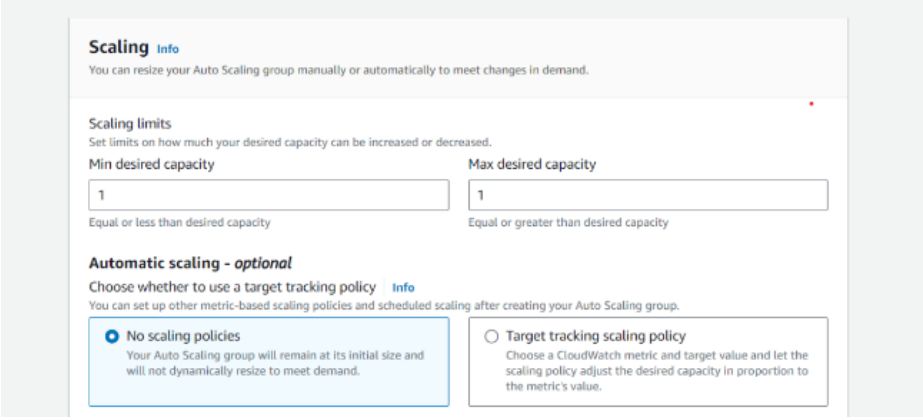


8. select security group which you have created

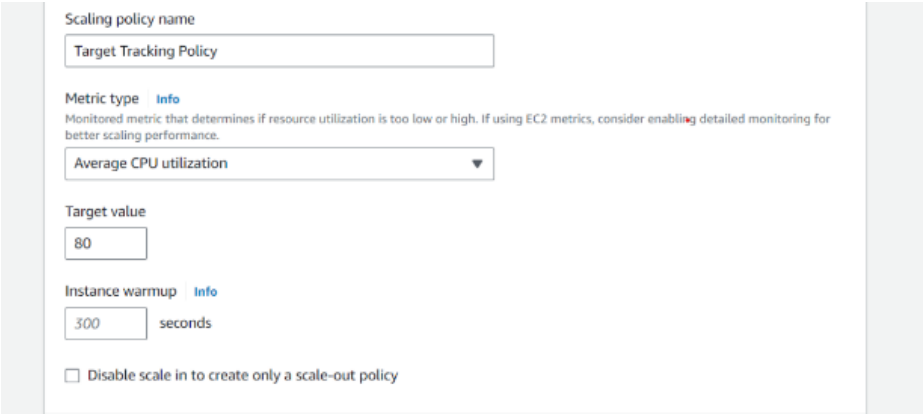


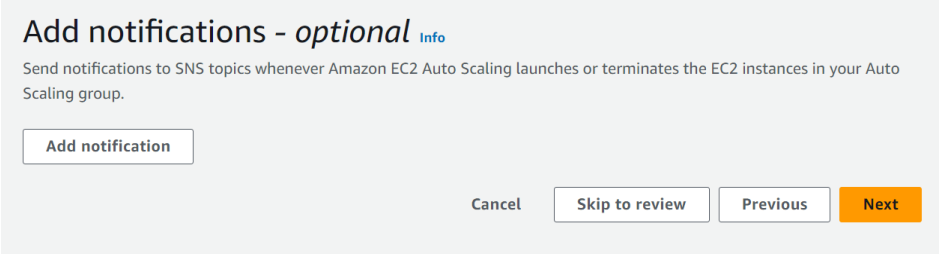


Select how many instances you want



Select target tracking policy Which means you can create more servers or launch servers depending upon specific criteria CPU utilization network in, network out or application load balancer.





Then auto scaling group will be created.