Step to create autoscaling with Load Balancer

Step-1: Create 3 Template.

Step-2: Create autoscaling group

* ASG-Home
* ASG-Mobile do not apply load balancer here
* ASG-Laptop

Step-3: Create target group

* tg-home
* tg-mobile do not register created instance into target group just create 3 tg
* tg-laptop

Step-4: Go to autoscaling group

* ASG-Home ->integrations->load balancing->add target group here(tg-home)
* ASG-Laptop ->integrations->load balancing->add target group here(tg-laptop)
* ASG-Mobile->integrations->load balancing->add target group here(tg-mobile)

If we associate target group with autoscaling group than instance is automatically register into target group we do not required to register manually.

Step-5: Create Load Balancer

* Create load balancer for home
* Go to tg-home-> **Listeners and rules**
* select the HTTP Protocol ->**Manage Rule->Add Rule->give the name->**

**next->add condition->choose condition->path->mention the path(ex./laptop/\*&/mobile/\*)->add target group and give the priority to both 1**

Step-6: Create cloudwatch to set the condition

* Go to in alarm
* Select metric->EC2->Autoscaling Group
* Select ASG-Home
* Set condition
* Create notification->create topic
* Give the name Scale-up-instance

Step-7: Go to autoscaling group(ASG-Home)

Create dynamic scaling group->select any scaling option what you want

We can create scale down instance alarm also by fallowing this step .we can create different alarm condition for scale down instance.

Step-8: Hit the stress command and check the output. If condition satisfying than alarm status is in alarm and automatically instance add according to we specify in autoscaling group.