**TASK - 1**

**ECS**

step-1 create a cluster using template ec2 linux+ networking

step-2 configure cluster and instance configuration

attach the vpc, subnets created we can disable auto asign private ip.

step-3 in secqurity inbond rules open port range 80.

step-4 attach iam roles (ecs t0 ec2)

step-5 we can add cloud watch container insights

step-5 create

**TASK DEFINITION**

step-1 create task definition select launch type compability EC2

step-2 select networkmode bridge

step-3 add container

step-4 container name and in image give redis:latest (as we are launchung redis db)

step-5 set hard limit and soft limit

step-6 host mapping hostport= 80 and container port= 6379

step-7 health check interval of 300 seconds if want we can add

step-8 cpu units and Gpus and as per need i added (1024 cpu units)

step-9 add

**ONCE TASK DEFFINITION IS OVER GO TO CLUSTER**

step-1 service

step-2 launch type Ec2

step-3 number of tasks service type replica

step-4 add load balancine application load balancer

step-5 add to load balancer listener port add 80:HTTP

step-6 do not adjust auto scaling

step-7 create service

step-8 once service is created container will be launched

step-9 in taskswe can see a running task

**LOADBALANCER**

BEFORE CREATIG WE HAVE TO CREATE LOAD BALANCER TO ATTACH WITH IT

step-1 select application load balancer type

step-2 add scheme internat-facing and IPv4

step-3 then do network mapping connect the vpc and subnets linked with ecs instance

step-4 in security group allow all tcp

step-5 select target group

step-6 crate load balancer

**TARGETGROUP**

step-1 choose target type instance

step-2 protocol 80

step-3 select vpc

step-4 register target with the ecs insatnce

**SECURITY GROUP**

step-1 copy loadbalancer security groupid and add it in inbond rules of ecs instance

**cloudwatch alaram**

step-1 open ec2 ecs insatance

step-2 click the plus button in the alaram status

step-3 create an alaram

step-4 there we can add threshold for alaram and alaram actions

step-5 create

**myload-1041490861.ap-south-1.elb.amazonaws.com**

This service is new to me so i had done my best to get the output.

Thankyou