Các bước:

**Tạo stack infra:**

aws cloudformation create-stack --stack-name Nodejsappstack --capabilities CAPABILITY\_NAMED\_IAM --template-body file://core.yml

check status:

aws cloudformation describe-stacks --stack-name Nodejsappstack

**tao ecs:**

aws ecs create-cluster --cluster-name Nodjsapp-Cluster

#### tao AWS CloudWatch Logs Group de ghi log cho task

aws logs create-log-group --log-group-name nodejsapp-logs

#### tao ECS Task Definition:

#### aws ecs register-task-definition --cli-input-json <file://task-definition.json>

#### 

#### Tao service:

#### Tao network lb cho service

#### Create a Network Load Balancer

#### aws elbv2 create-load-balancer --name nodejsapp-nlb --scheme internet-facing --type network --subnets REPLACE\_ME\_PUBLIC\_SUBNET\_ONE REPLACE\_ME\_PUBLIC\_SUBNET\_TWO > nlb-output.json

#### sau khi replace

#### aws elbv2 create-load-balancer --name nodejsapp-nlb --scheme internet-facing --type network --subnets subnet-09358e8236db3cb2d subnet-0b83ce156decec7cf > nlb-output.json

#### tao target group:

#### aws elbv2 create-target-group --name nodejsapp-TargetGroup --port 3000 --protocol TCP --target-type ip --vpc-id REPLACE\_ME\_VPC\_ID --health-check-interval-seconds 10 --health-check-path / --health-check-protocol HTTP --healthy-threshold-count 3 --unhealthy-threshold-count 3 > ~/environment/target-group-output.json

#### aws elbv2 create-target-group --name nodejsapp-TargetGroup --port 3000 --protocol TCP --target-type ip --vpc-id vpc-04d186790b81d6156 --health-check-interval-seconds 10 --health-check-path / --health-check-protocol HTTP --healthy-threshold-count 3 --unhealthy-threshold-count 3 > target-group-output.json

#### tao Load Balancer Listener:

#### aws elbv2 create-listener --default-actions TargetGroupArn=REPLACE\_ME\_NLB\_TARGET\_GROUP\_ARN,Type=forward --load-balancer-arn REPLACE\_ME\_NLB\_ARN --port 80 --protocol TCP

#### aws elbv2 create-listener --default-actions TargetGroupArn=arn:aws:elasticloadbalancing:ap-southeast-1:068883294286:targetgroup/nodejsapp-TargetGroup/984942d593bde640,Type=forward --load-balancer-arn arn:aws:elasticloadbalancing:ap-southeast-1:068883294286:loadbalancer/net/nodejsapp-nlb/e199d1ea3ee854ce --port 80 --protocol TCP

### **Creating a Service with Fargate**

#### Tao service link role

aws iam create-service-linked-role --aws-service-name ecs.amazonaws.com

#### neu co loi thi role da duoc tao cho account roi

#### tao service

#### aws ecs create-service --cli-input-json file://~/environment/aws-modern-application-workshop/module-2/aws-cli/service-definition.json