COURSE CODE: CSC 472

COURSE NAME: CLOUD COMPUTING

SECTION: 01

Assignment 2

<u>**SUBMITTED BY :**</u>
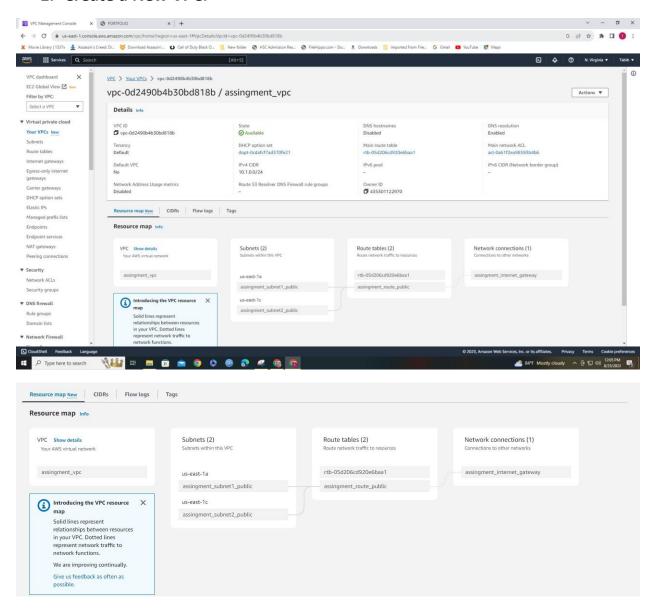
Name: FATIN ISRAQ TABIB

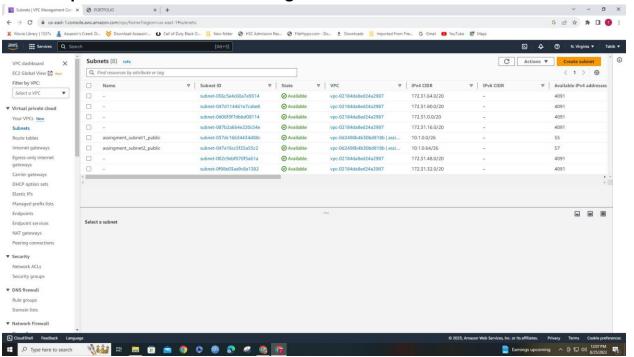**ID**: 2022280

SUBMITTED TO

Dr. Rubaiyat Islam

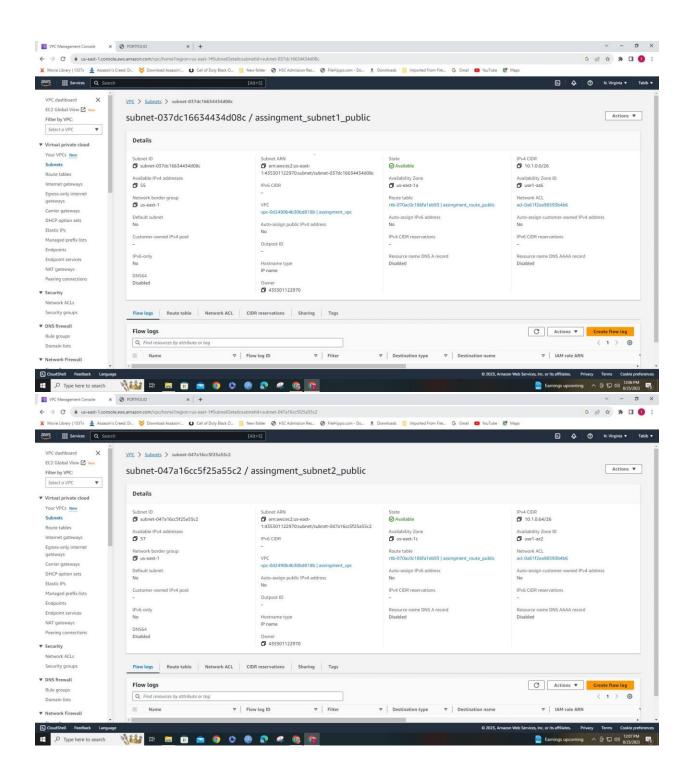Associate Professor(Adjunct)

Independent University Bangladesh
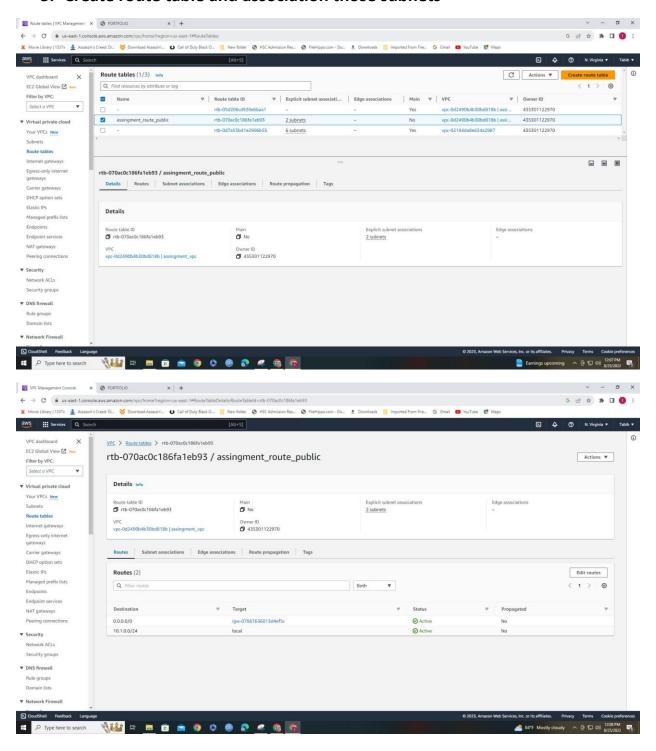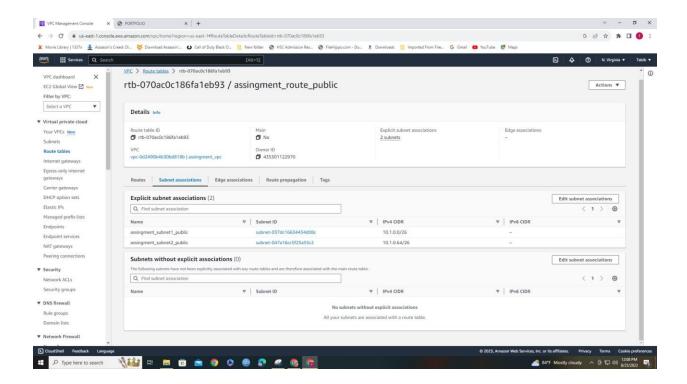
Steps:

1. Create a New VPC.

2. Create 2 public subnet in different region.

Screenshot 1 — VPC Management Console

VPC > Subnets > subnet-037dc16634434d08c

subnet-037dc16634434d08c / assingment_subnet1_public

Actions ▼

Details

Subnet ID
subnet-037dc16634434d08c

Available IPv4 addresses
55

Network border group
us-east-1

Default subnet
No

Customer-owned IPv4 pool
–

IPv6-only
No

DNS64
Disabled

Subnet ARN
arn:aws:ec2:us-east-1:435301122970:subnet/subnet-037dc16634434d08c

IPv6 CIDR
–

VPC
vpc-0d2490b4b30bd818b | assingment_vpc

Auto-assign public IPv4 address
No

Outpost ID
–

Hostname type
IP name

Owner
435301122970

State
⊘ Available

Availability Zone
us-east-1a

Route table
rtb-070ac0c186fa1eb93 | assingment_route_public

Auto-assign IPv6 address
No

IPv4 CIDR reservations
–

Resource name DNS A record
Disabled

IPv4 CIDR
10.1.0.0/26

Availability Zone ID
use1-az6

Network ACL
acl-0a61f2ea98593b4b6

Auto-assign customer-owned IPv4 address
No

IPv6 CIDR reservations
–

Resource name DNS AAAA record
Disabled

Flow logs | Route table | Network ACL | CIDR reservations | Sharing | Tags

Flow logs

Actions ▼   Create flow log

Find resources by attribute or tag

Name	Flow log ID	Filter	Destination type	Destination name	IAM role ARN

Screenshot 2 — VPC Management Console

VPC > Subnets > subnet-047a16cc5f25a55c2

subnet-047a16cc5f25a55c2 / assingment_subnet2_public

Actions ▼

Details

Subnet ID
subnet-047a16cc5f25a55c2

Available IPv4 addresses
57

Network border group
us-east-1

Default subnet
No

Customer-owned IPv4 pool
–

IPv6-only
No

DNS64
Disabled

Subnet ARN
arn:aws:ec2:us-east-1:435301122970:subnet/subnet-047a16cc5f25a55c2

IPv6 CIDR
–

VPC
vpc-0d2490b4b30bd818b | assingment_vpc

Auto-assign public IPv4 address
No

Outpost ID
–

Hostname type
IP name

Owner
435301122970

State
⊘ Available

Availability Zone
us-east-1c

Route table
rtb-070ac0c186fa1eb93 | assingment_route_public

Auto-assign IPv6 address
No

IPv4 CIDR reservations
–

Resource name DNS A record
Disabled

IPv4 CIDR
10.1.0.64/26

Availability Zone ID
use1-az2

Network ACL
acl-0a61f2ea98593b4b6

Auto-assign customer-owned IPv4 address
No

IPv6 CIDR reservations
–

Resource name DNS AAAA record
Disabled

Flow logs | Route table | Network ACL | CIDR reservations | Sharing | Tags

Flow logs

Actions ▼   Create flow log

Find resources by attribute or tag

Name	Flow log ID	Filter	Destination type	Destination name	IAM role ARN

© 2023, Amazon Web Services, Inc. or its affiliates.   Privacy   Terms   Cookie preferences
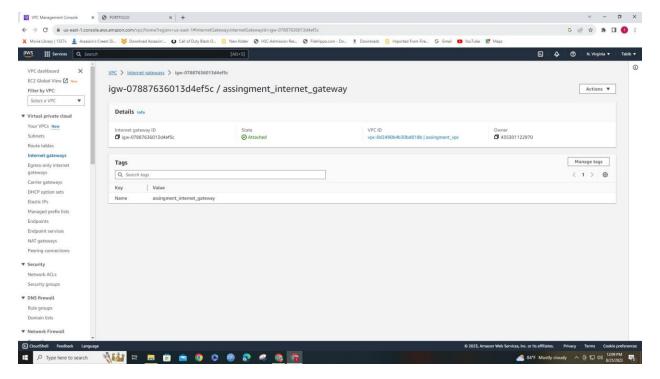
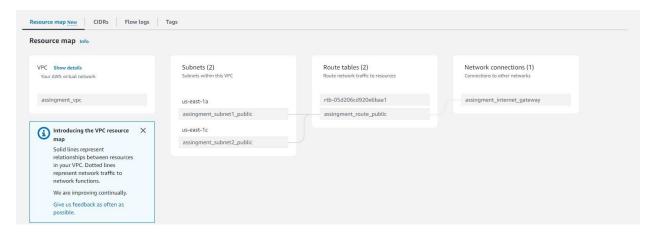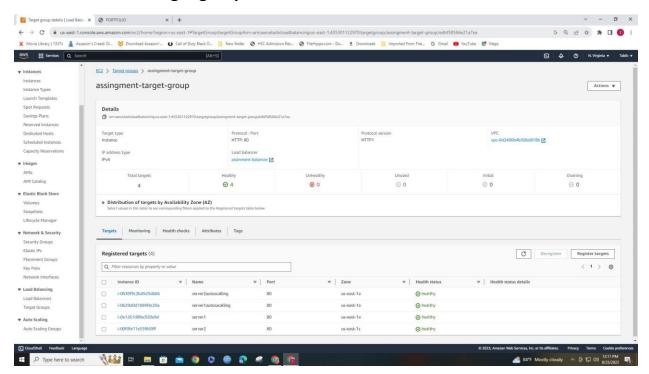### 3. Create route table and association those subnets

4. Create internet gateway and attach to this with our created VPC
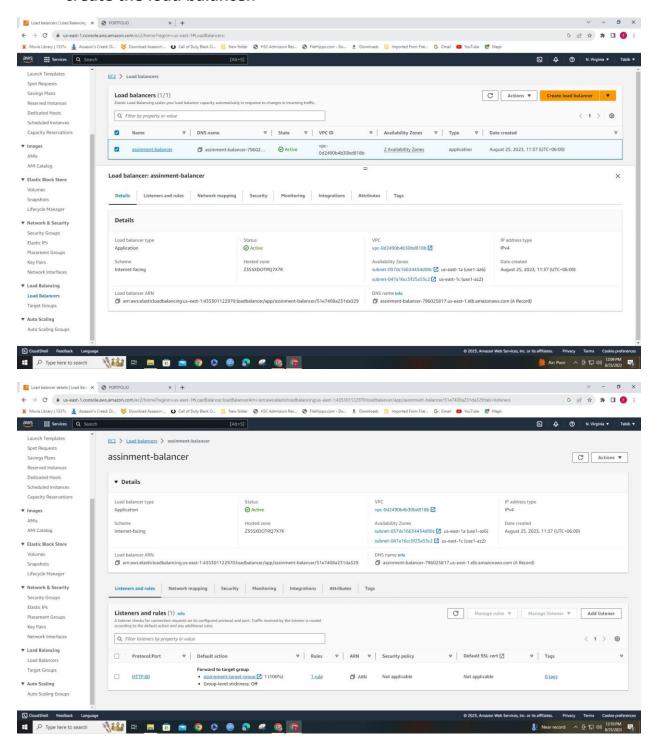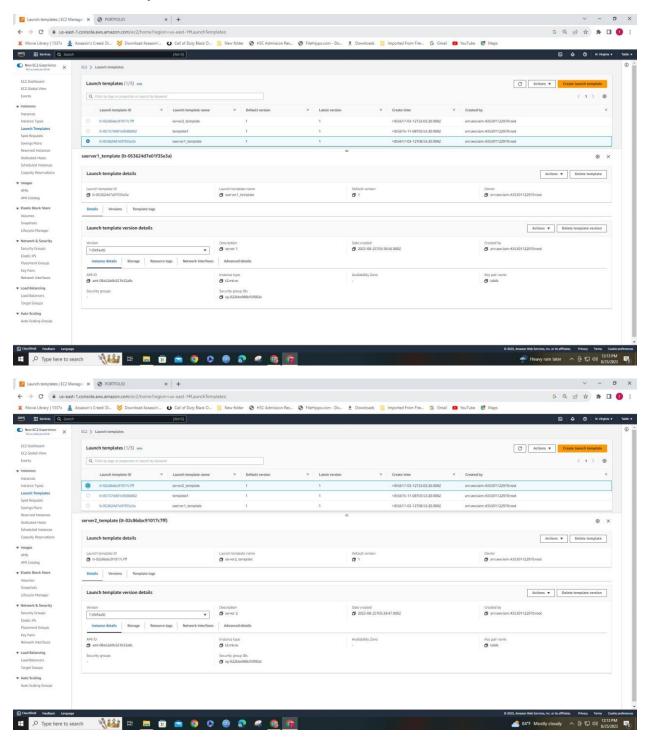
5. Now see all the connections on VPC Route map

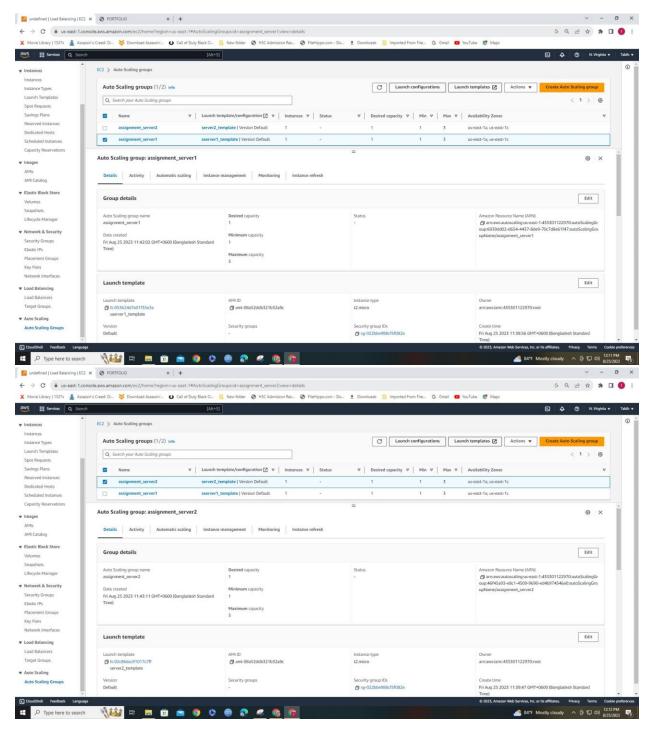## 6. Create the Target group for Load Balancer

7. Create Two Ec2 instance for the load balancer and using those instance we create the load balancer.
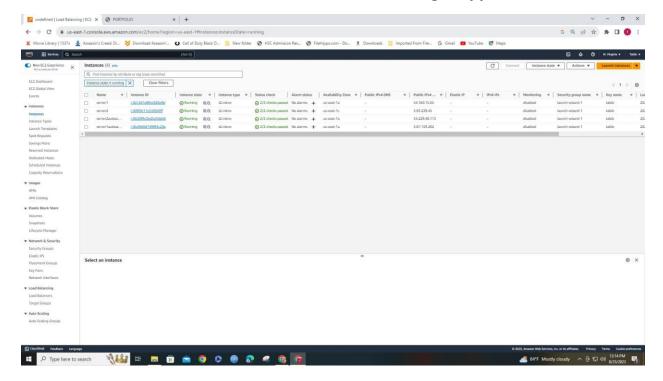
8. Create template for those two Ec2 instance

9. Using those templates now we created two auto scaling group for manage the auto scaling easily and we also add our load balancer on auto scaling.

10.Now in our Ec2 instance we see our auto scaling is appeared.

11.Then we run our website from auto scaling appeared instance also if we terminate our main Ec2.