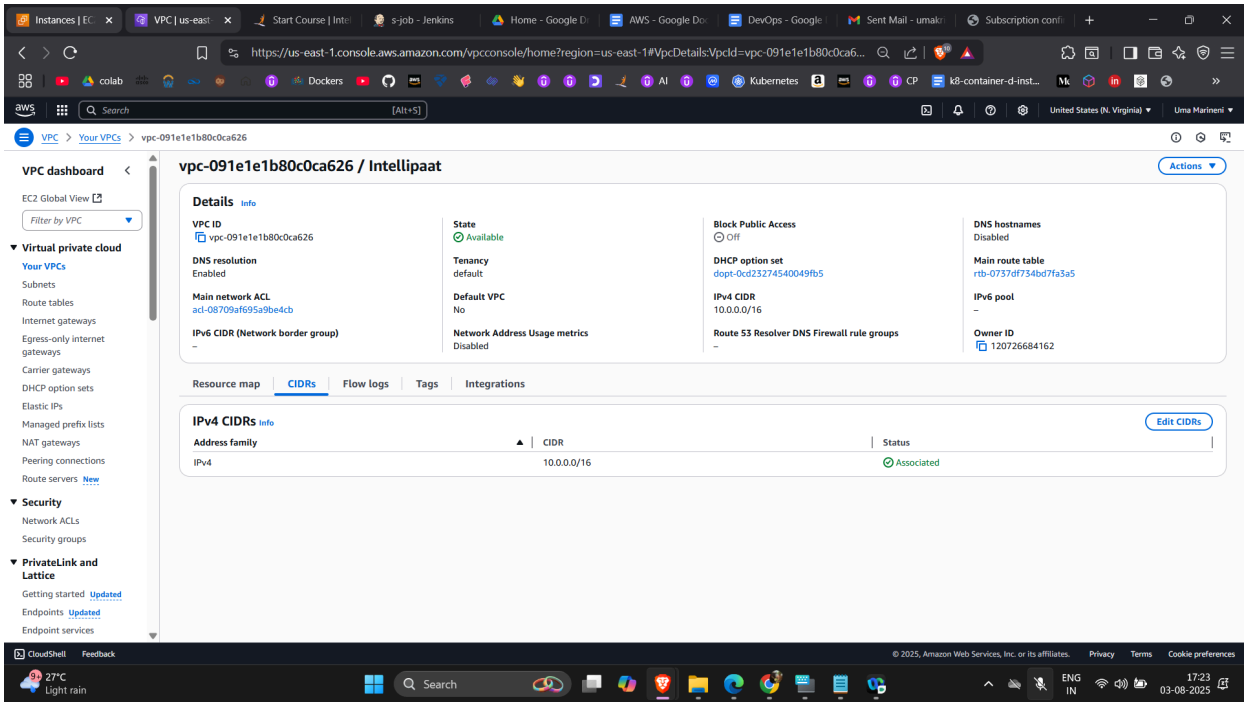
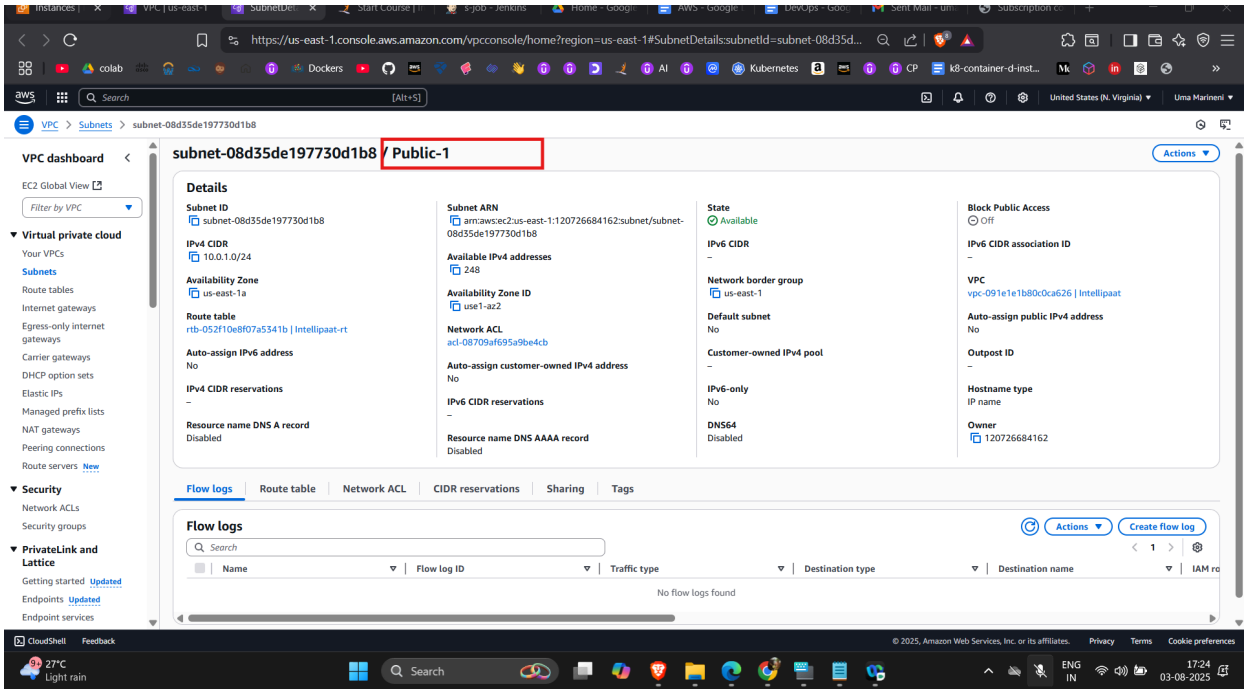
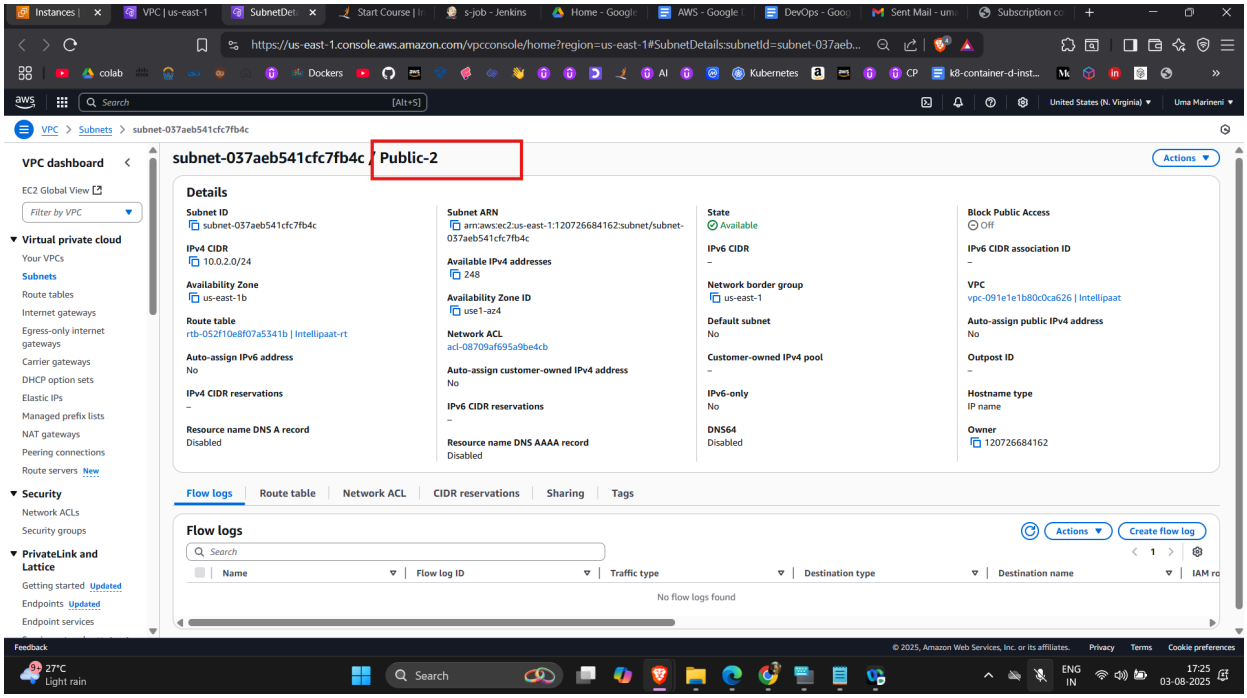
VPC

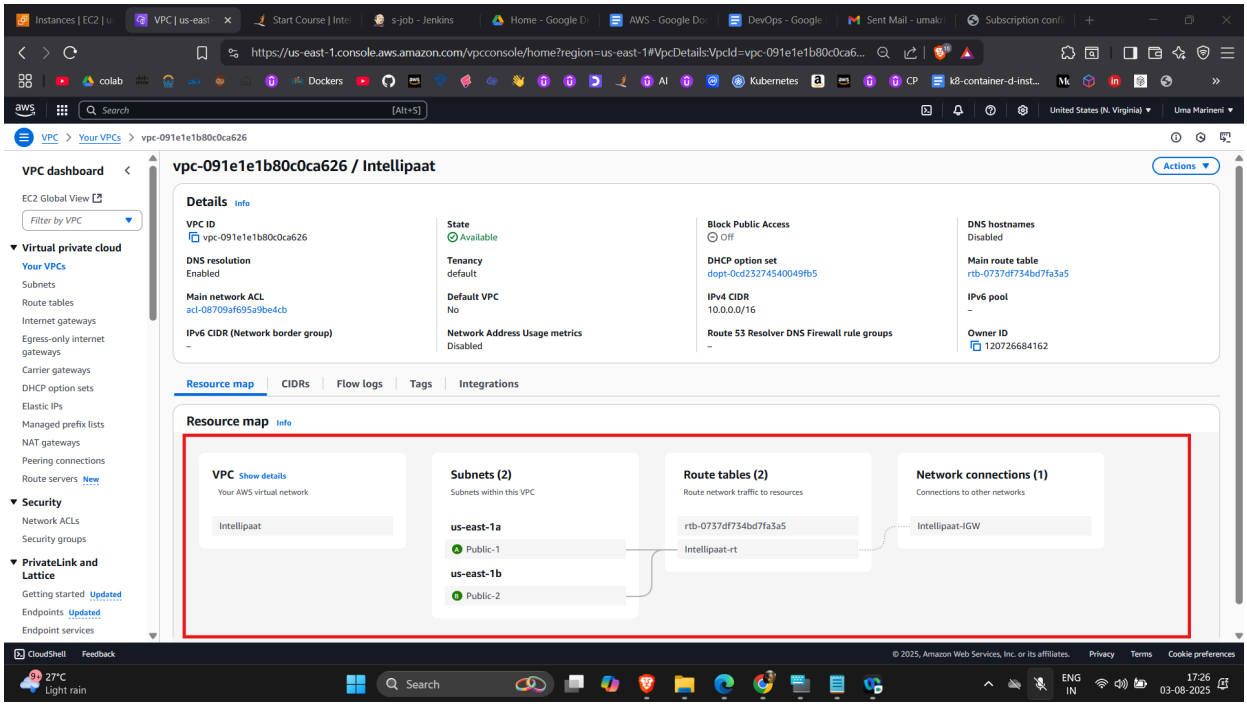

https://us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#VpcDetails:VpcId=vpc-091e1e1b80c0ca6...
VPC > Your VPCs > vpc-091e1e1b80c0ca626
vpc-091e1e1b80c0ca626 / Intellipaat
Actions
Details Info
VPC ID
vpc-091e1e1b80c0ca626
State
Available
Block Public Access
Off
DNS hostnames
Disabled
DNS resolution
Enabled
Tenancy
default
DHCP option set
dopt-0cd23274540049fb5
Main route table
rtb-0737df734bd7fa3a5
Main network ACL
acl-08709af695a9be4cb
Default VPC
No
IPv4 CIDR
10.0.0.0/16
IPv6 pool
–
IPv6 CIDR (Network border group)
–
Network Address Usage metrics
Disabled
Route 53 Resolver DNS Firewall rule groups
–
Owner ID
120726684162
Resource map
CIDRs
Flow logs
Tags
Integrations
IPv4 CIDRs Info
Edit CIDRs
Address family
CIDR
Status
IPv4
10.0.0.0/16
Associated

Subnets:

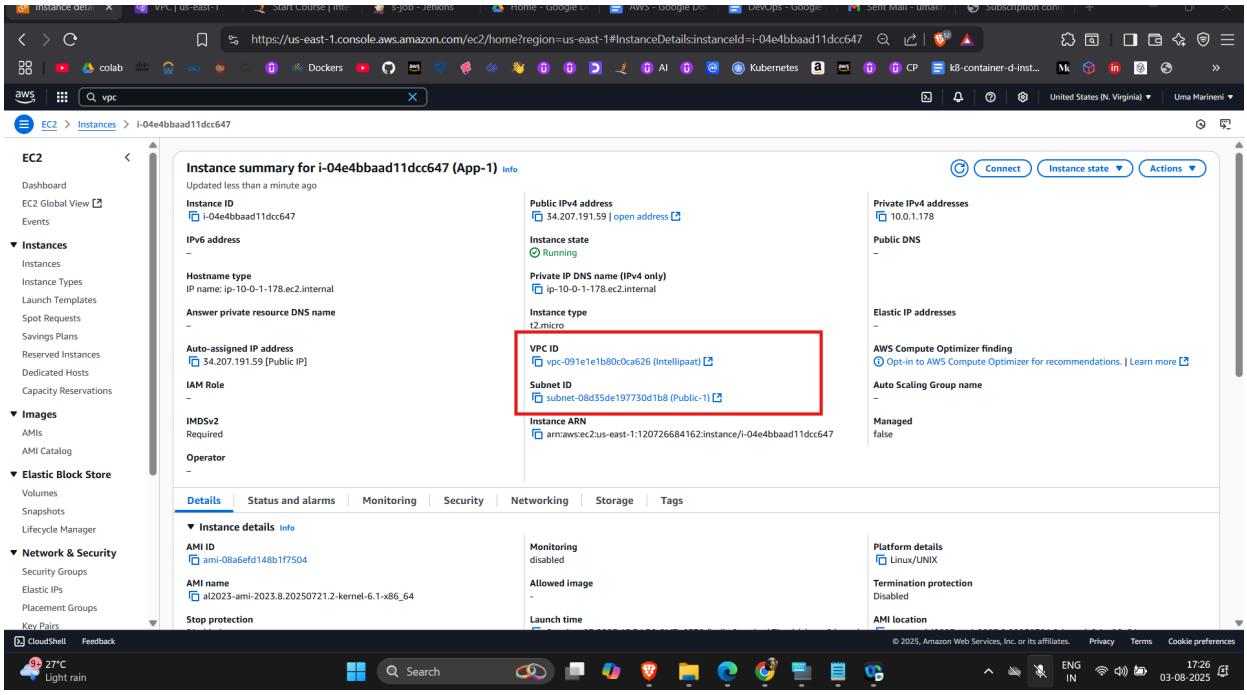

https://us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#SubnetDetails:subnetId=subnet-08d35d...
VPC > Subnets > subnet-08d35de197730d1b8
subnet-08d35de197730d1b8 / Public-1
Actions
Details
Subnet ID
subnet-08d35de197730d1b8
Subnet ARN
arn:aws:ec2:us-east-1:120726684162:subnet/subnet-08d35de197730d1b8
State
Available
Block Public Access
Off
IPv4 CIDR
10.0.1.0/24
Available IPv4 addresses
248
IPv6 CIDR
–
IPv6 CIDR association ID
–
Availability Zone
us-east-1a
Availability Zone ID
use1-az2
Network border group
us-east-1
VPC
vpc-091e1e1b80c0ca626 | Intellipaat
Route table
rtb-052f10e8f07a5341b | Intellipaat-rt
Network ACL
acl-08709af695a9be4cb
Default subnet
No
Auto-assign public IPv4 address
No
Auto-assign IPv6 address
No
Auto-assign customer-owned IPv4 address
No
Customer-owned IPv4 pool
–
Outpost ID
–
IPv4 CIDR reservations
–
IPv6 CIDR reservations
–
IPv6-only
No
Hostname type
IP name
Resource name DNS A record
Disabled
Resource name DNS AAAA record
Disabled
DNS64
Disabled
Owner
120726684162
Flow logs
Route table
Network ACL
CIDR reservations
Sharing
Tags
Flow logs
Actions
Create flow log
Name
Flow log ID
Traffic type
Destination type
Destination name
No flow logs found



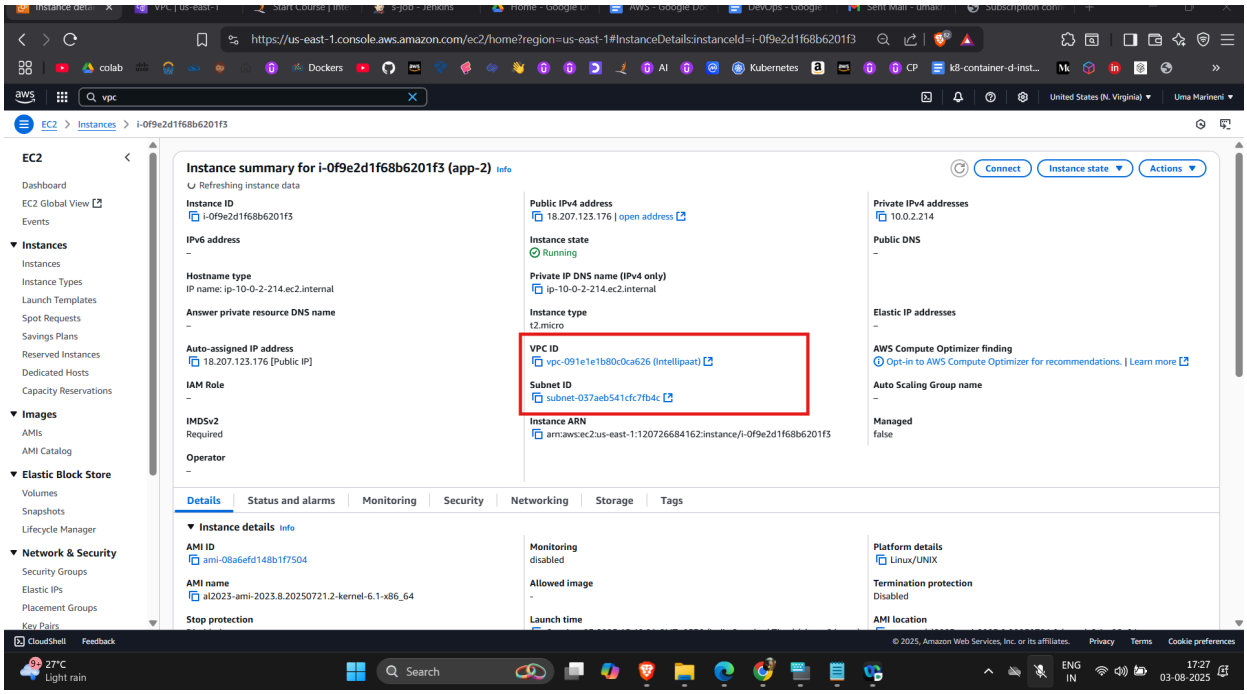
Resource Map of the VPC:



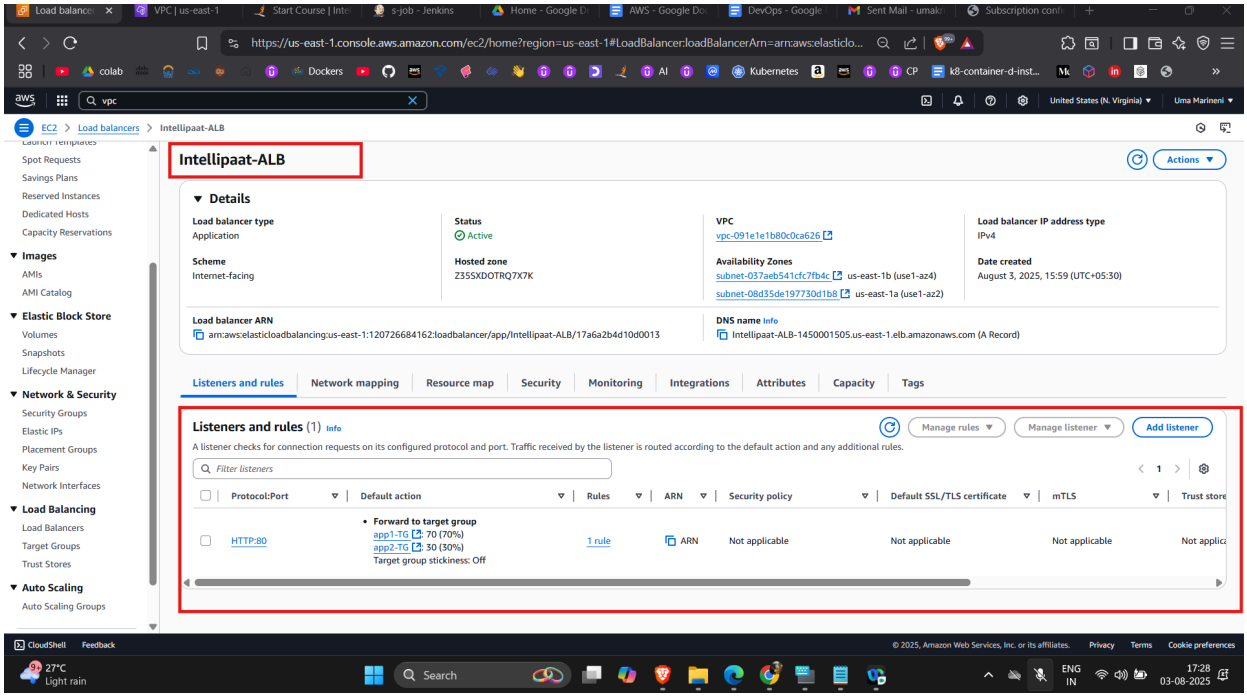
App-1 (with VPC and subnet1)



App-2 (with VPC and subnet)

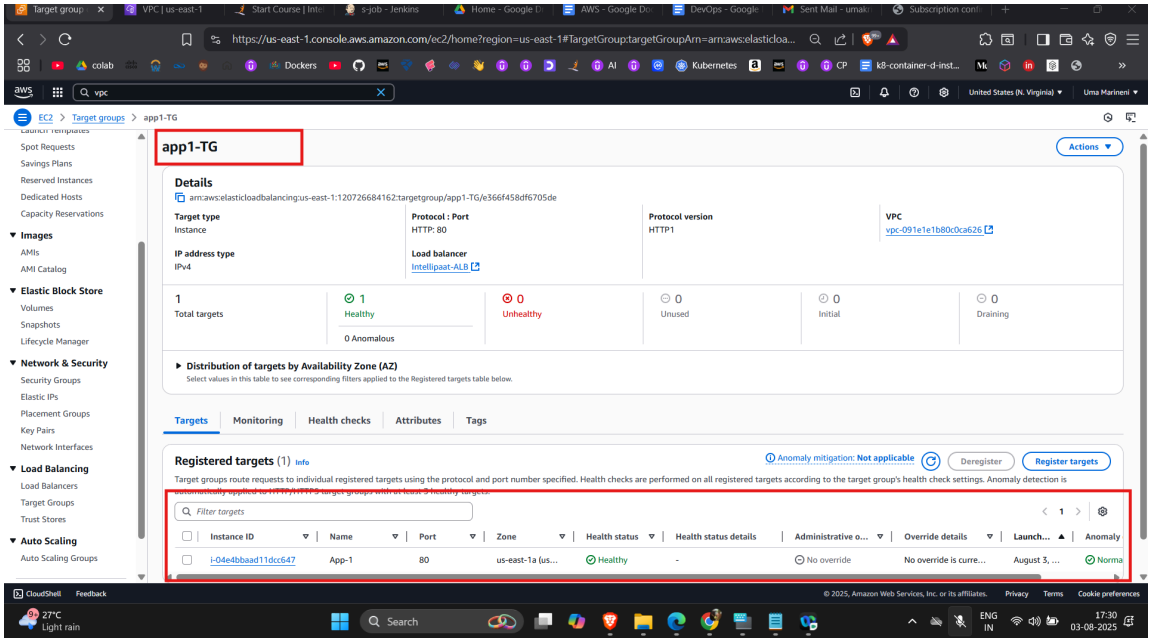


ALB Details: Listener configuration and general ALB details

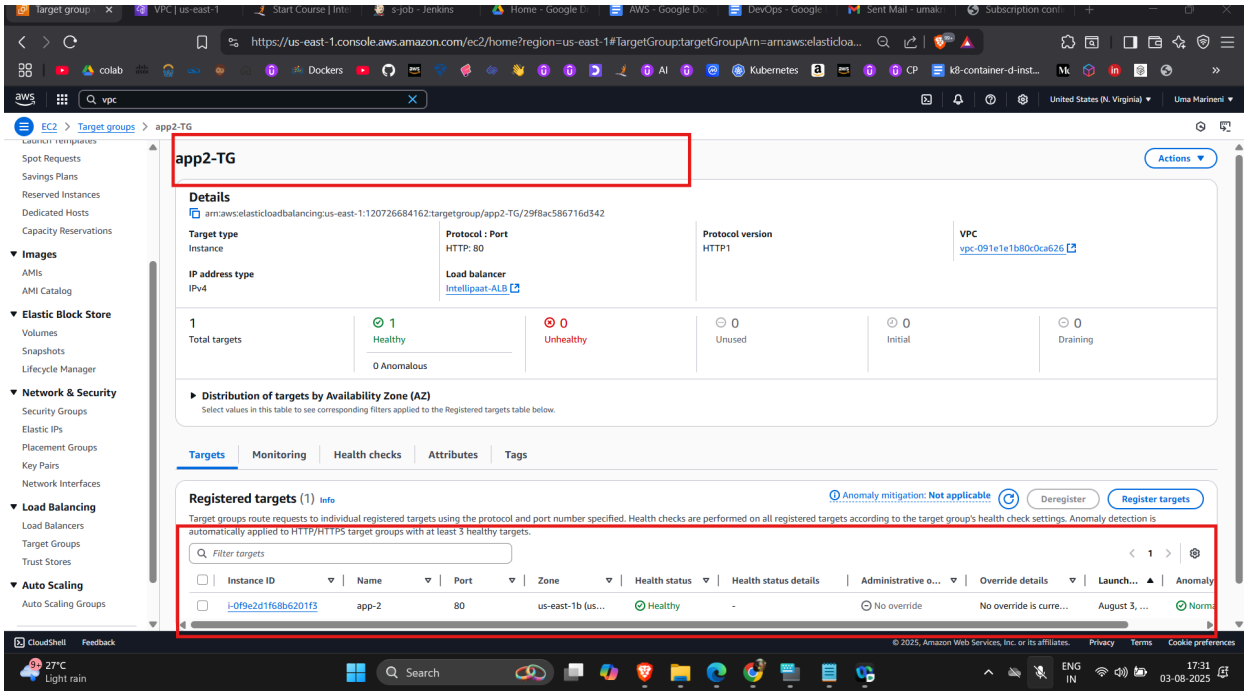


Target Groups: Screenshot showing both instances registered

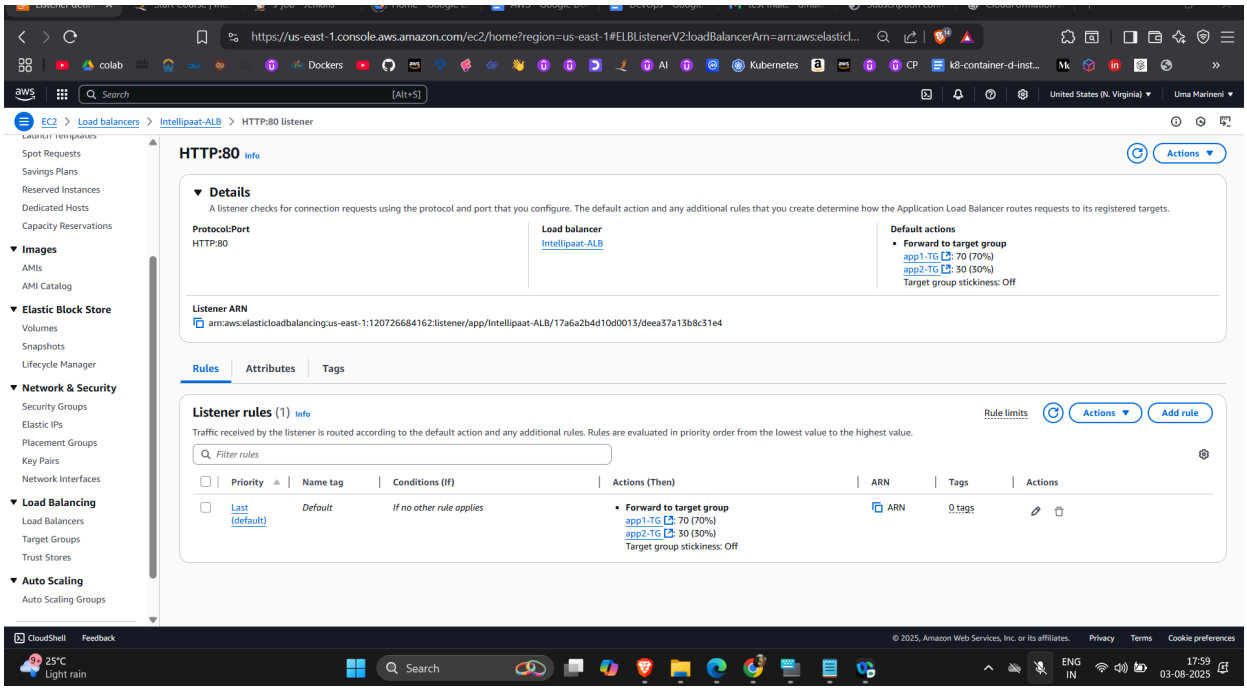
App-1


app1-TG
Details
arn:aws:elasticloadbalancing:us-east-1:120726684162:targetgroup/app1-TG/e366f458df6705de
Target type
Instance
Protocol : Port
HTTP: 80
Protocol version
HTTP1
VPC
vpc-091e1e1b80c0ca626
IP address type
IPv4
Load balancer
Intellipaat-ALB
1
Total targets
1
Healthy
0 Anomalous
0
Unhealthy
0
Unused
0
Initial
0
Draining
Distribution of targets by Availability Zone (AZ)
Targets
Monitoring
Health checks
Attributes
Tags
Registered targets (1)
Anomaly mitigation: Not applicable
Deregister
Register targets
Instance ID
Name
Port
Zone
Health status
Health status details
Administrative o...
Override details
Launch...
Anomaly
i-04e4bbaad11dcc647
App-1
80
us-east-1a (us...
Healthy
No override
No override is curre...
August 3, ...

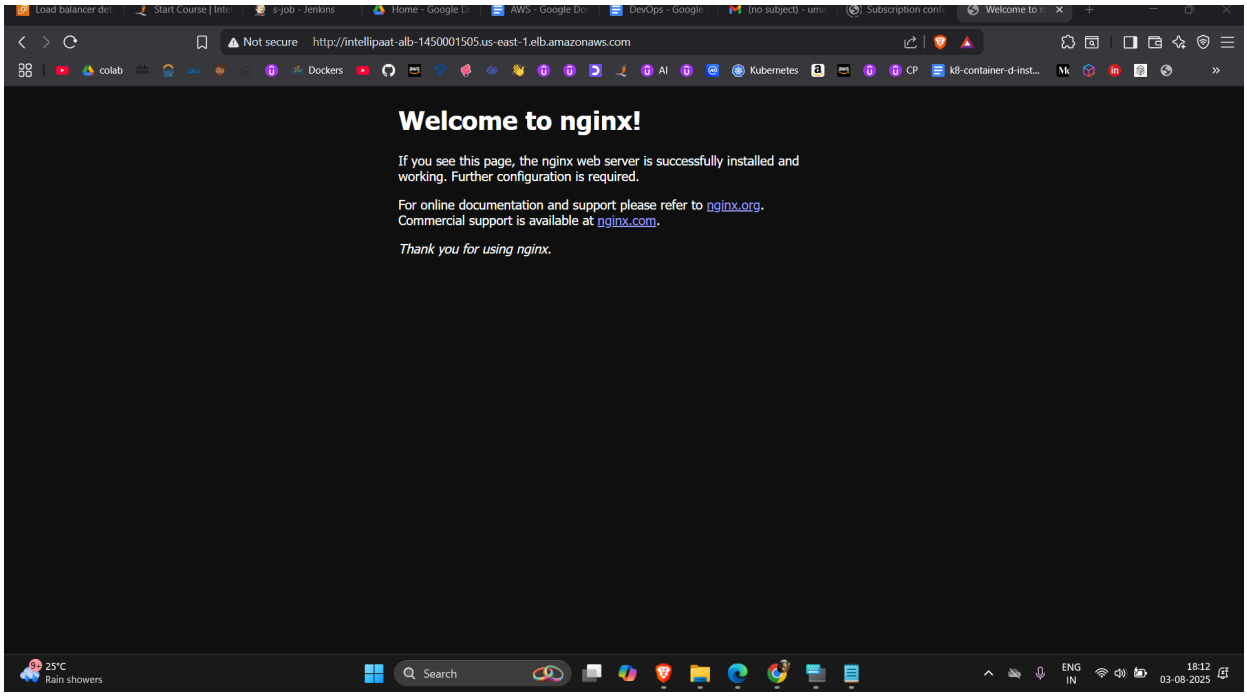
App-2

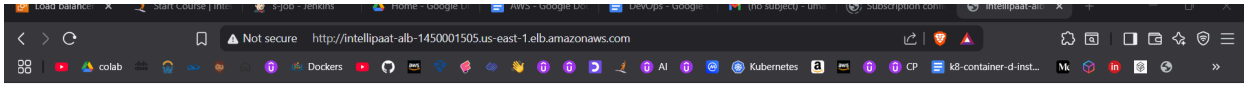

app2-TG
Details
arn:aws:elasticloadbalancing:us-east-1:120726684162:targetgroup/app2-TG/29f8ac586716d342
Target type
Instance
Protocol : Port
HTTP: 80
Protocol version
HTTP1
VPC
vpc-091e1e1b80c0ca626
IP address type
IPv4
Load balancer
Intellipaat-ALB
1
Total targets
1
Healthy
0 Anomalous
0
Unhealthy
0
Unused
0
Initial
0
Draining
Distribution of targets by Availability Zone (AZ)
Targets
Monitoring
Health checks
Attributes
Tags
Registered targets (1)
Anomaly mitigation: Not applicable
Deregister
Register targets
Instance ID
Name
Port
Zone
Health status
Health status details
Administrative o...
Override details
Launch...
Anomaly
i-0f9e2d1f68b6201f3
app-2
80
us-east-1b (us...
Healthy
No override
No override is curre...
August 3, ...

Weighted Routing: Demonstration of traffic distribution settings



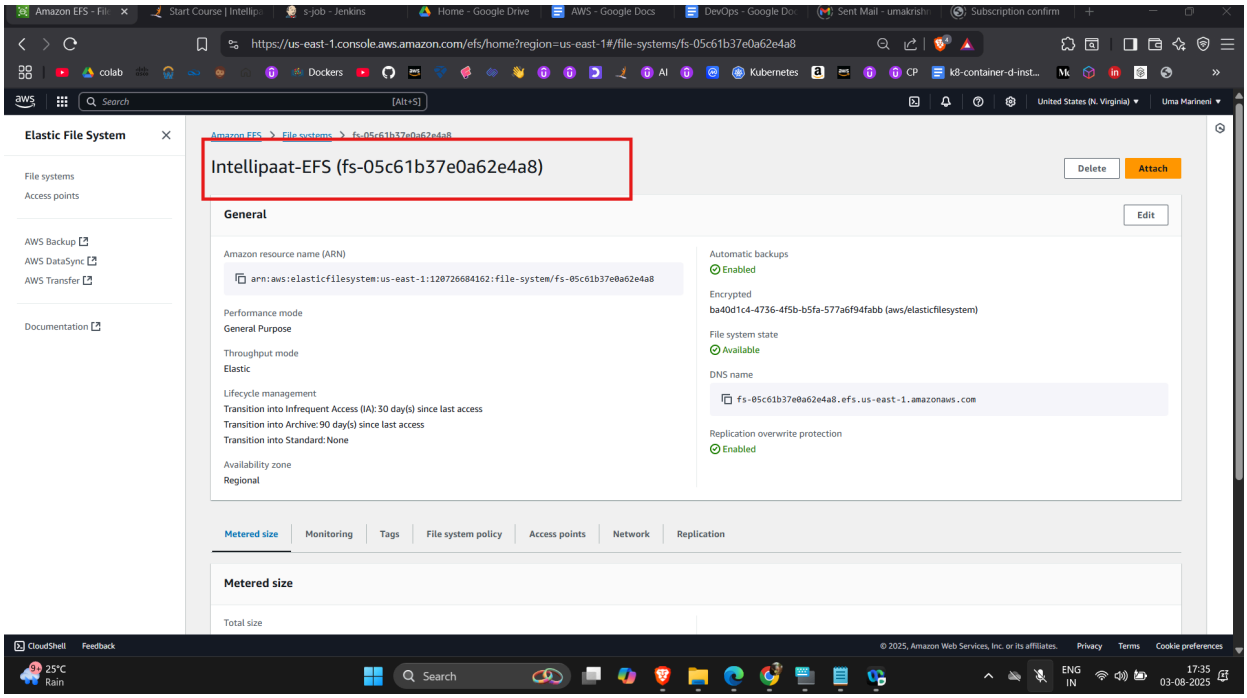
Web Server Access: Screenshot of web content accessed via ALB



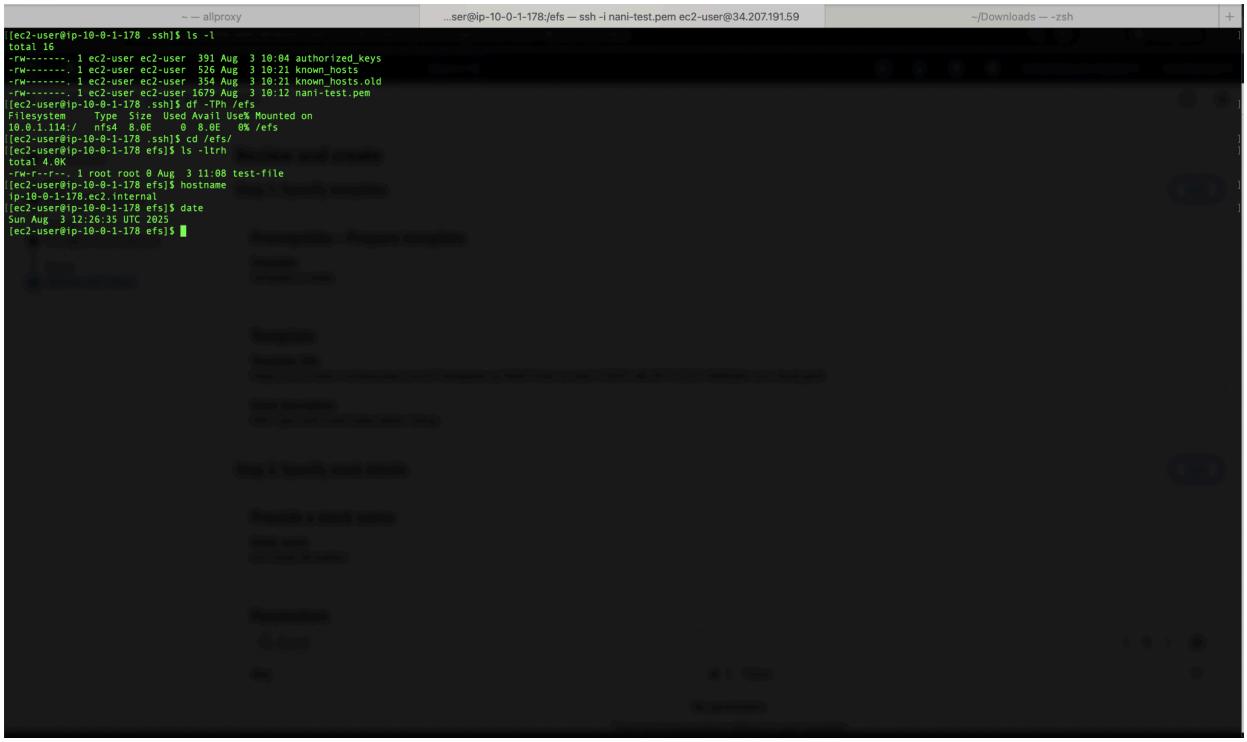


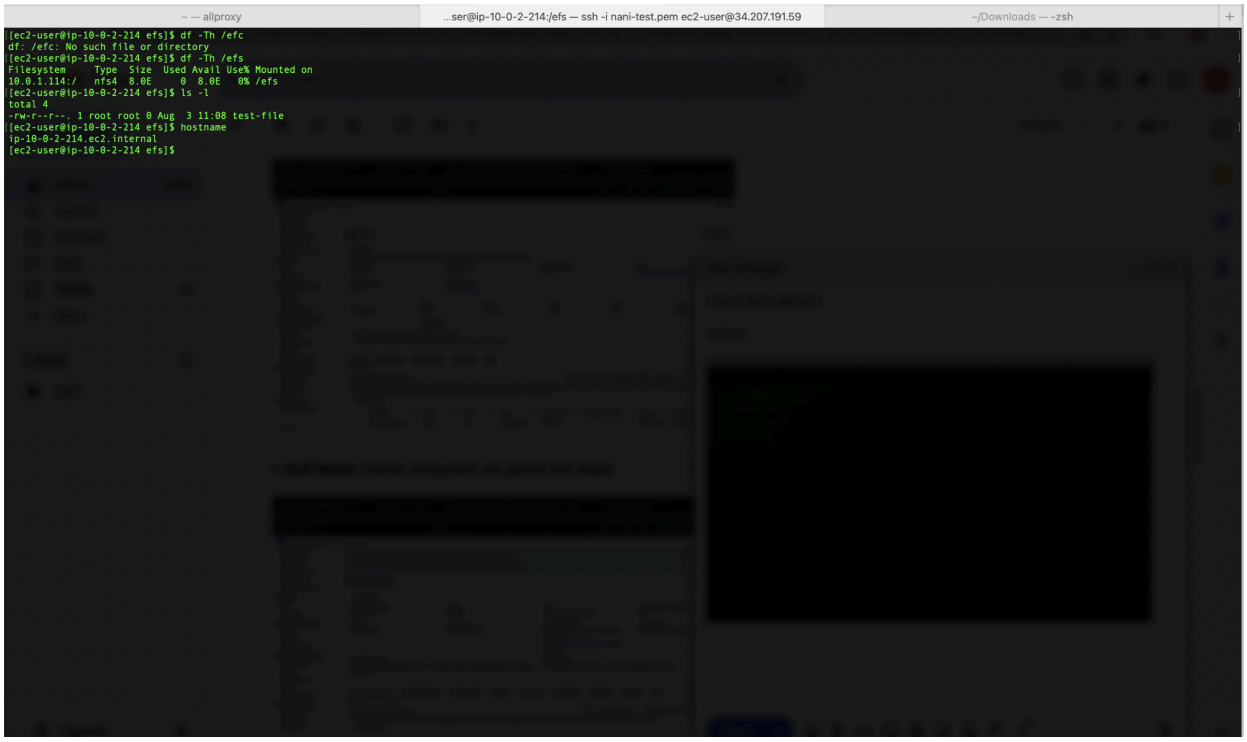
This is apache test file.

EFS configuration

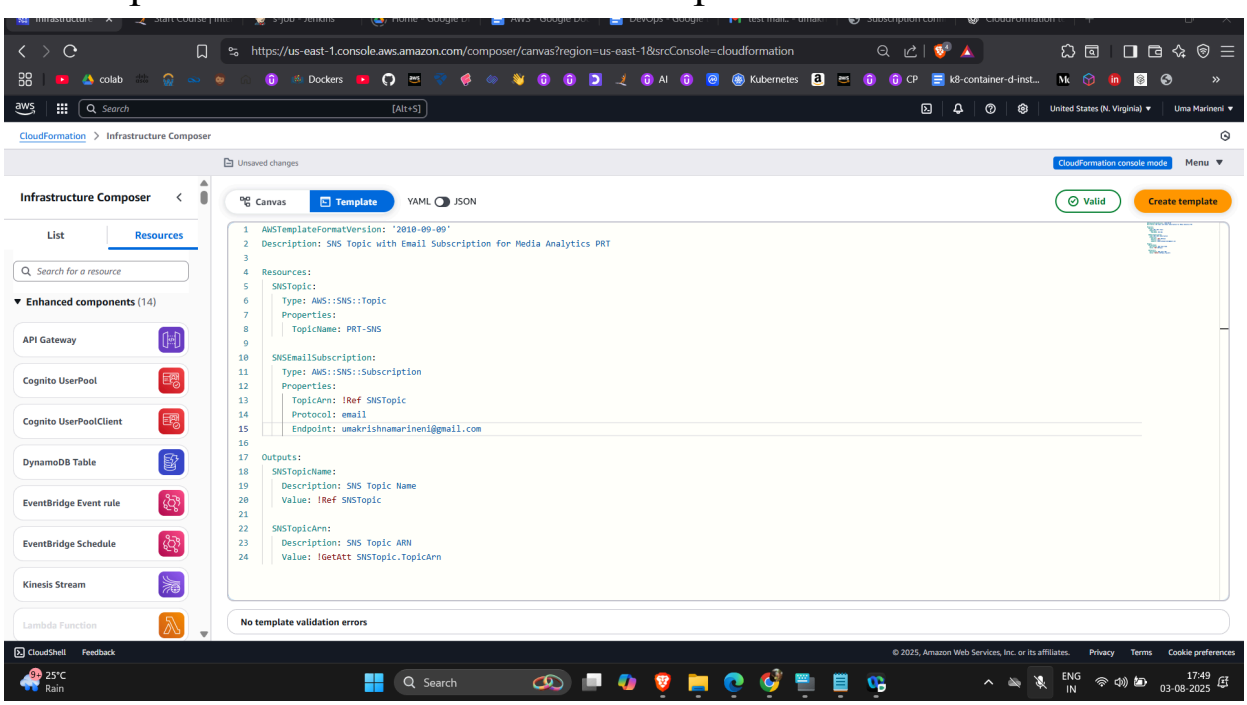


EFS mouting and sharing

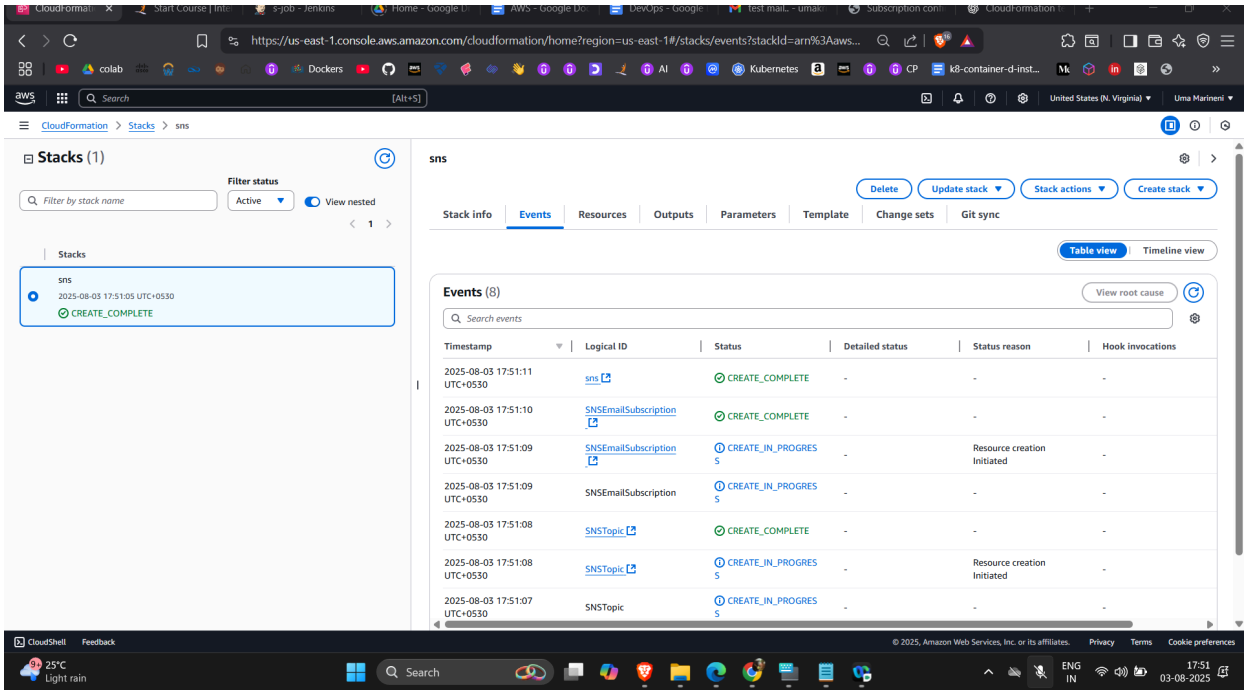




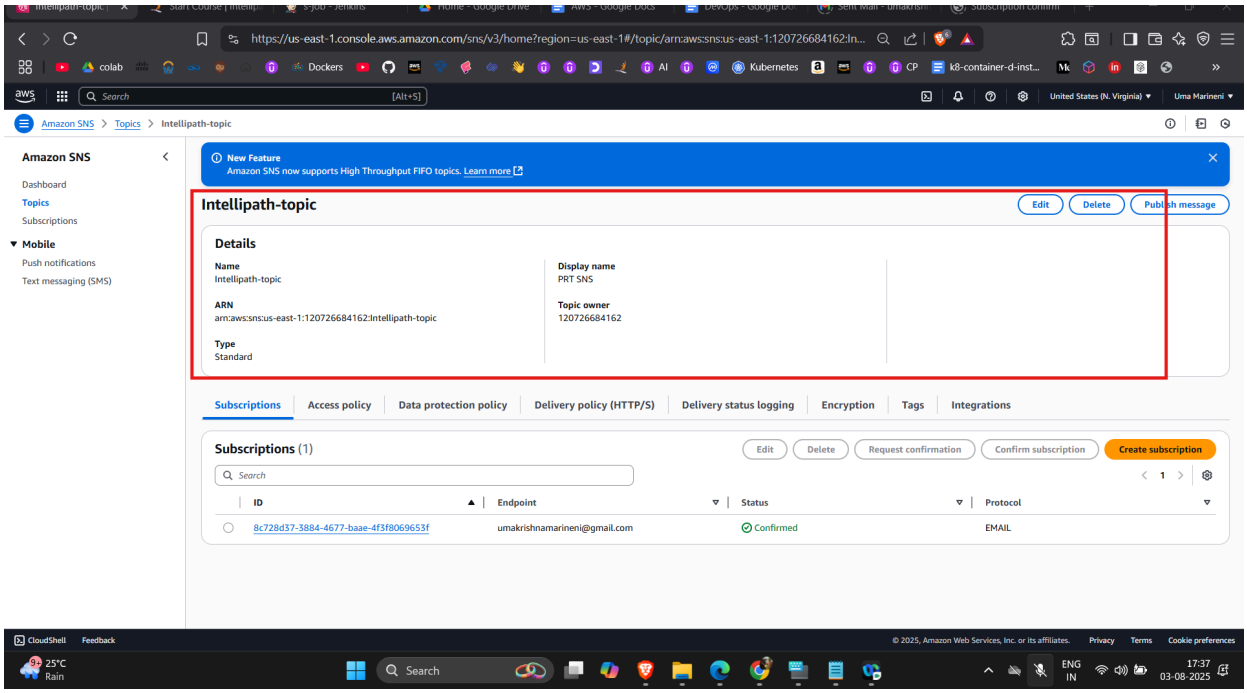
SNS topic with CLoudFormation Template



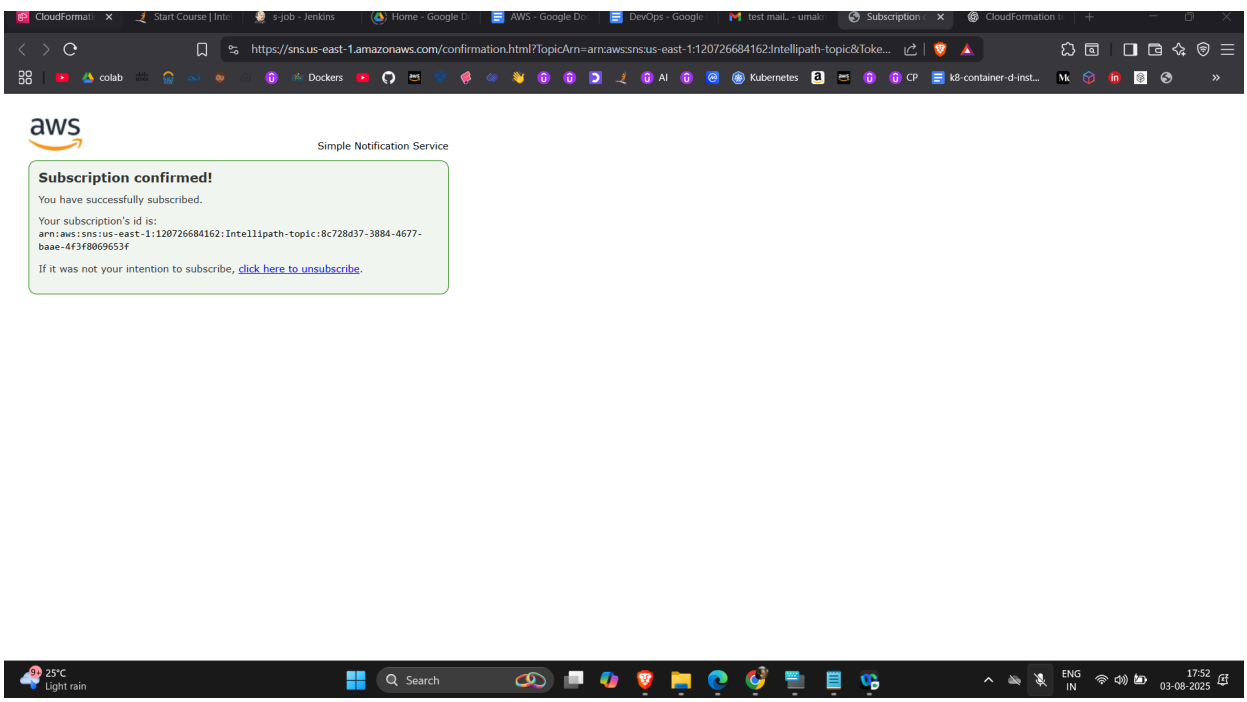
CF template created



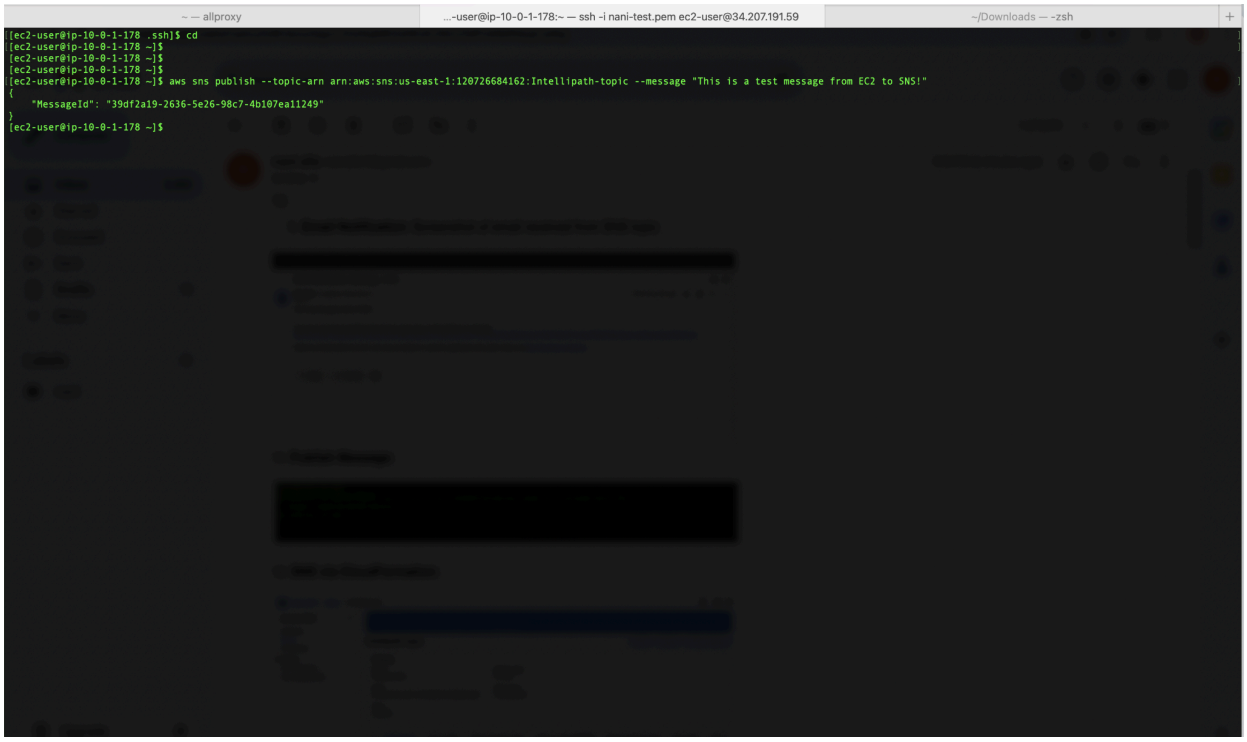
SNS



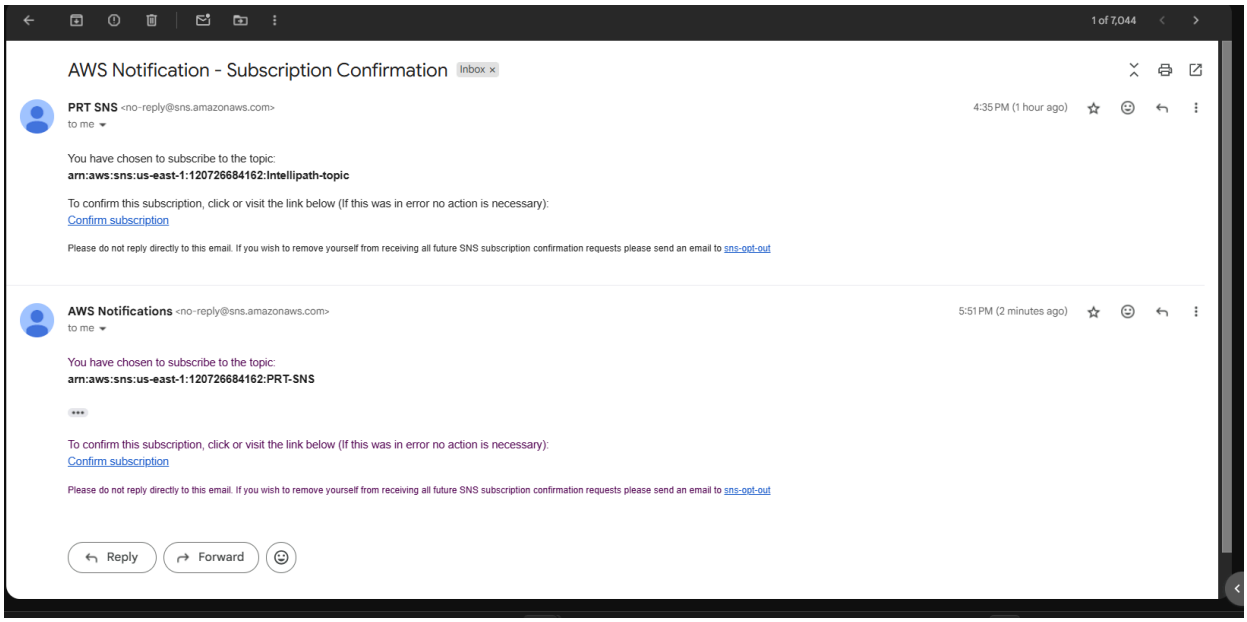
Subscription confirmed



Publish Message: Screenshot of terminal command to publish SNS message



Screenshot of email received from SNS topic



CLoudFormation template

```
AWSTemplateFormatVersion: '2010-09-09'
Description: SNS Topic with Email Subscription for Media
Analytics PRT

Resources:
  SNSTopic:
    Type: AWS::SNS::Topic
    Properties:
      TopicName: PRT-SNS

  SNSEmailSubscription:
    Type: AWS::SNS::Subscription
    Properties:
      TopicArn: !Ref SNSTopic
      Protocol: email
      Endpoint: umakrishnamarineni@gmail.com

Outputs:
  SNSTopicName:
    Description: SNS Topic Name
    Value: !Ref SNSTopic

  SNSTopicArn:
    Description: SNS Topic ARN
    Value: !GetAtt SNSTopic.TopicArn
```