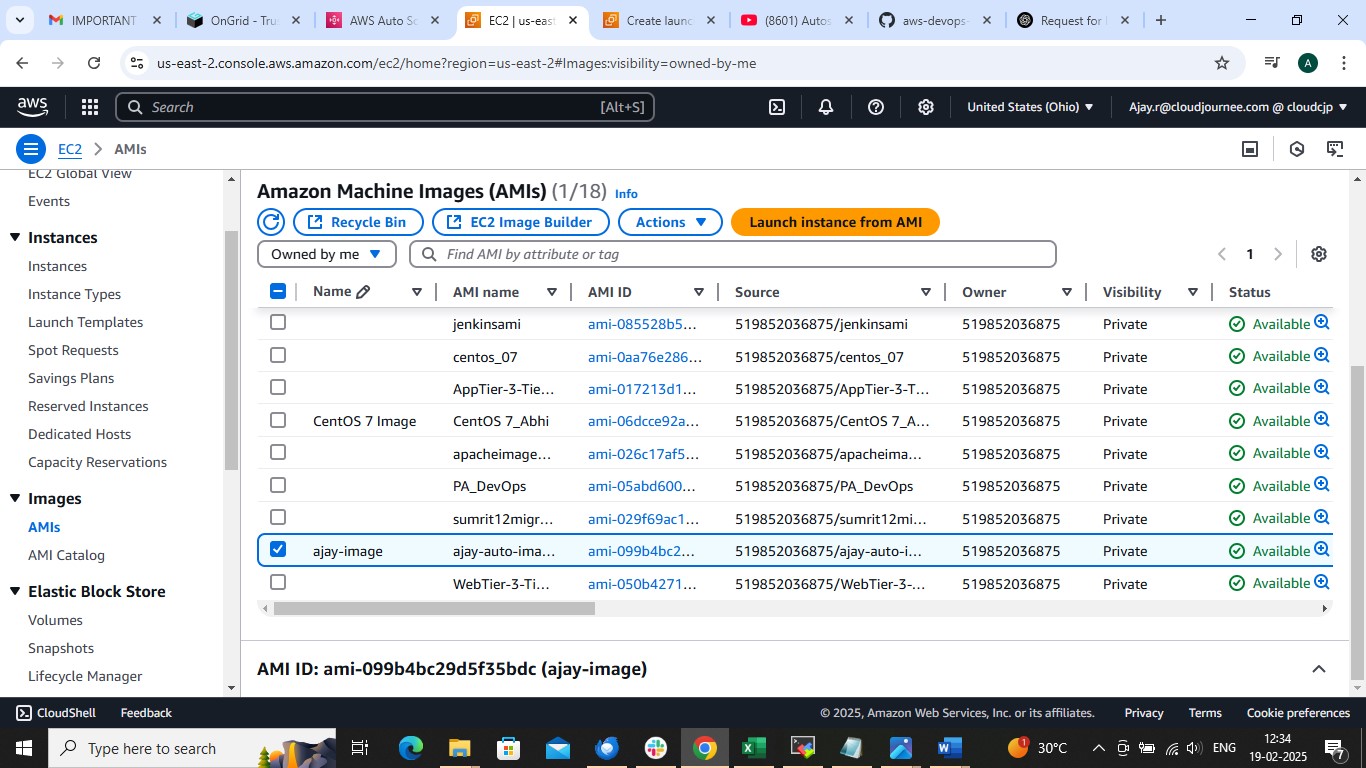
Auto Scaling group

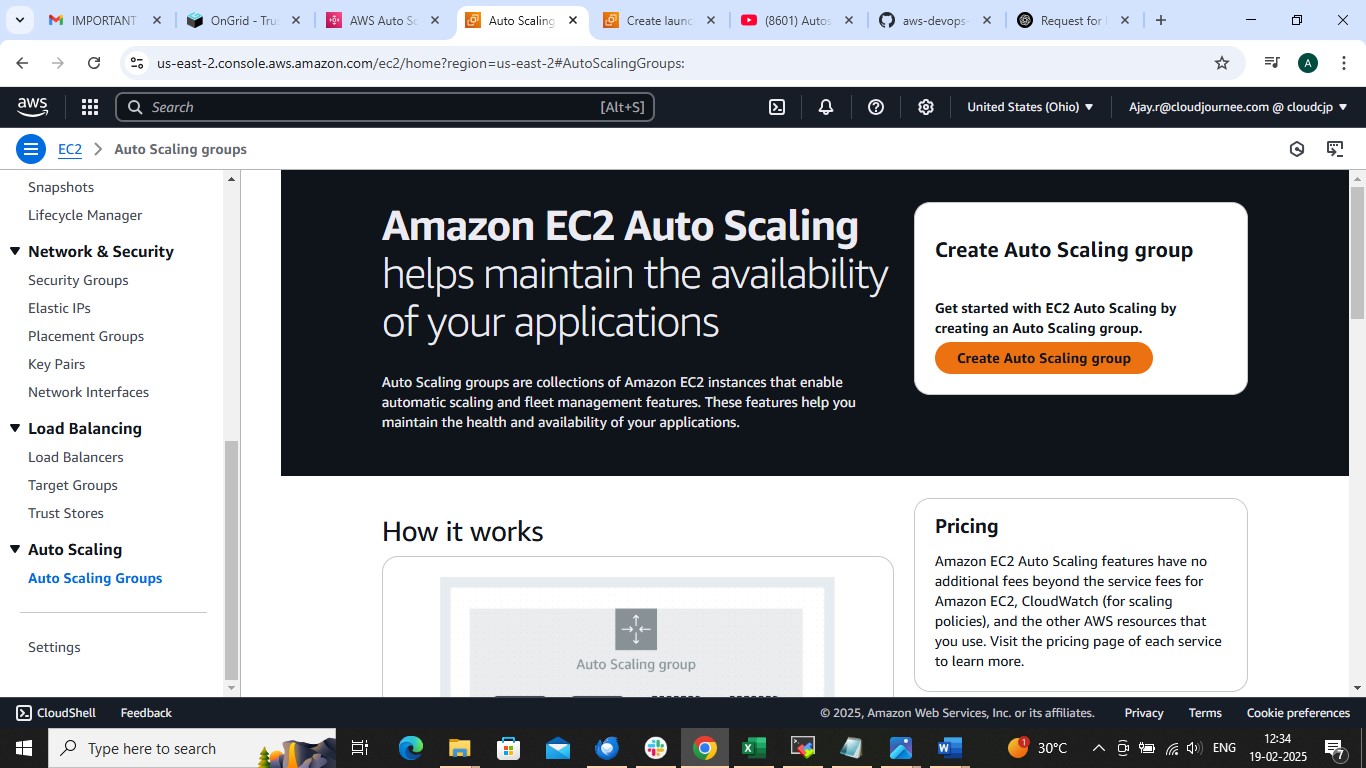
1. Create an ec2 instance . Make it up and running
2. Create image of instance

Action🡺image and template🡺 create image



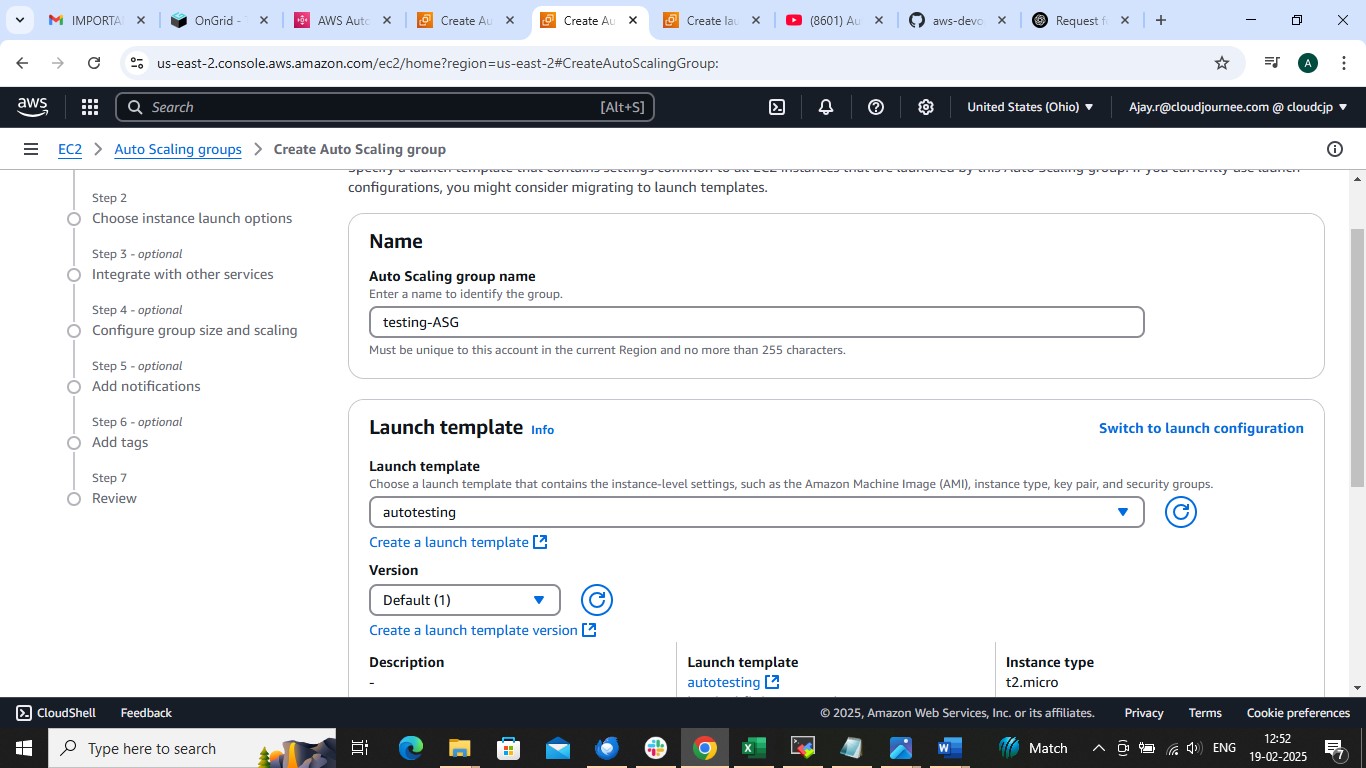


On Ec2 dashboard left side 🡺 ASG 🡺 Create ASG

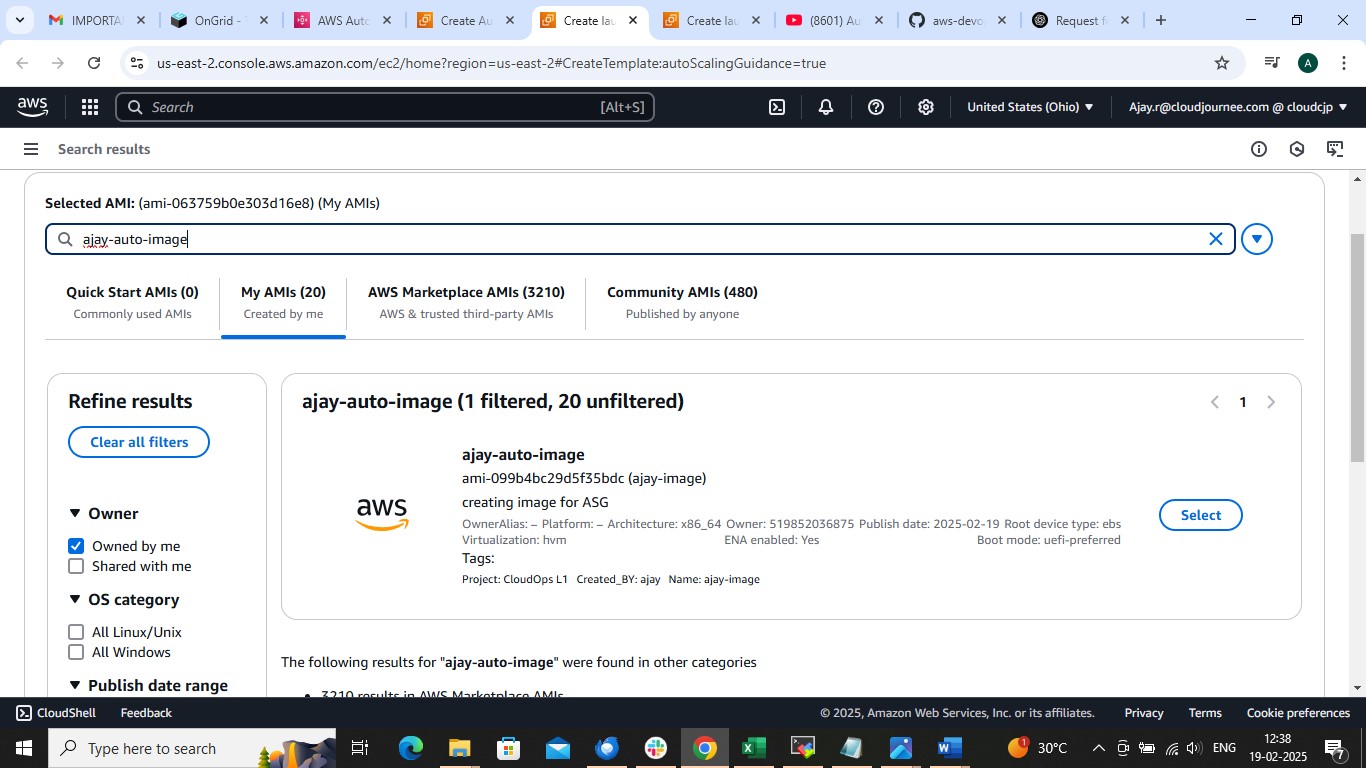


Create ASG name and =🡺 launch template

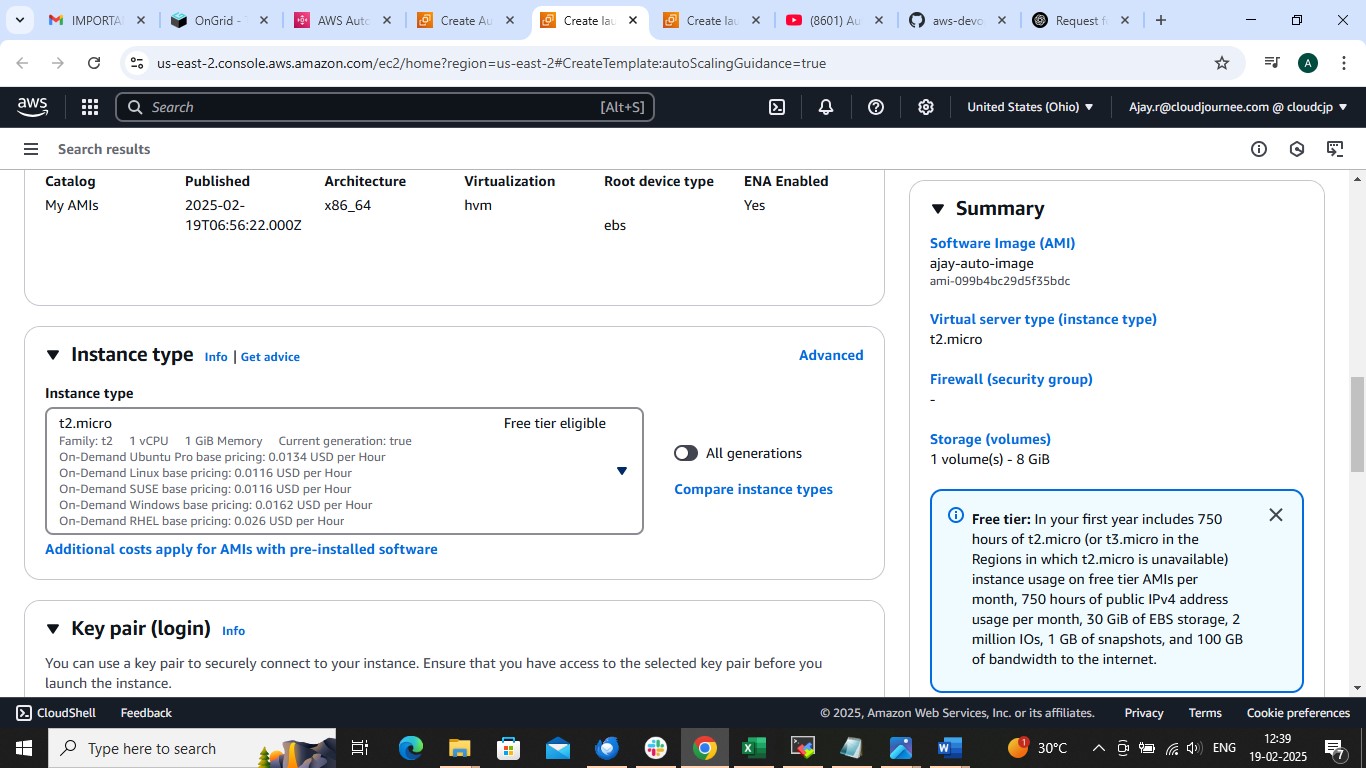
Create launch template name



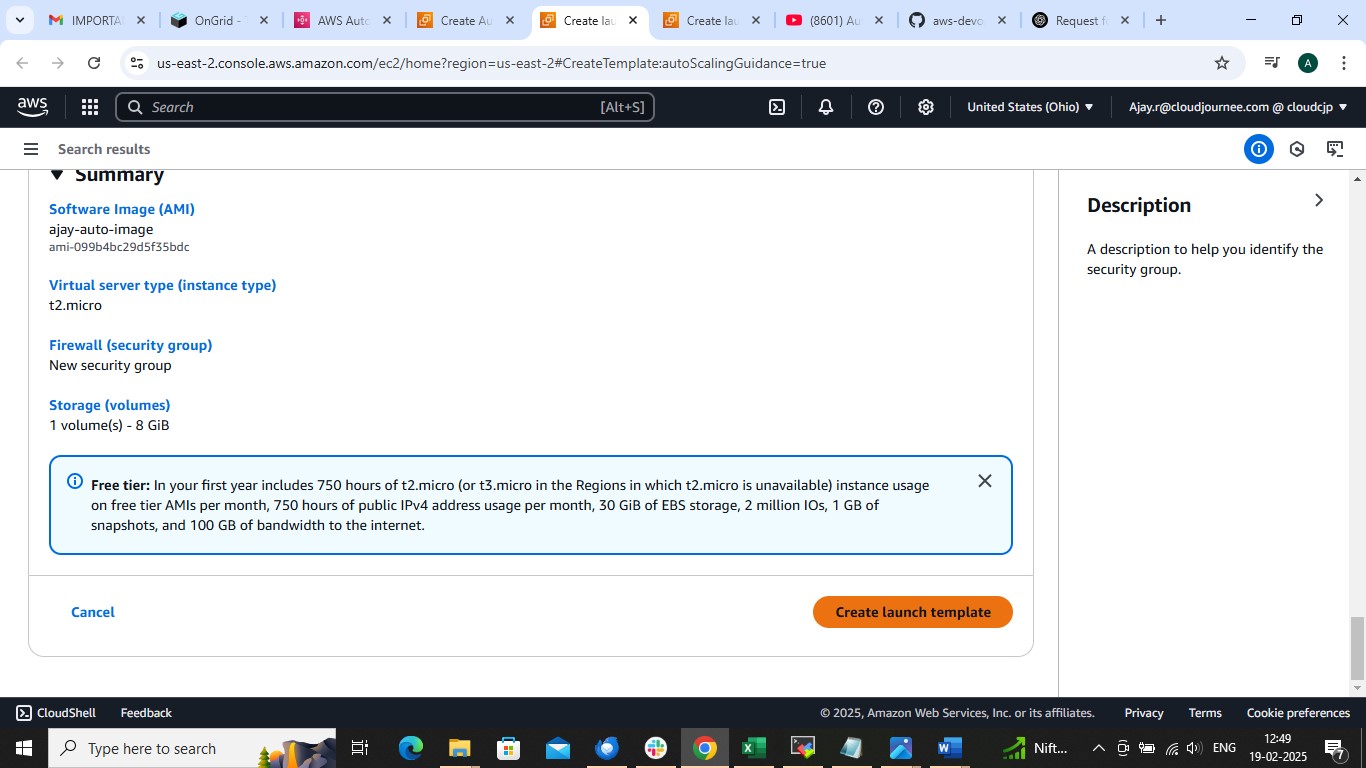
🡺Choose Created image OR IF YOU HAVE NOT CREATED IMAGE THEN USE GIVEN AMI IMAGE FROM BELOW LIKE UBUNTU



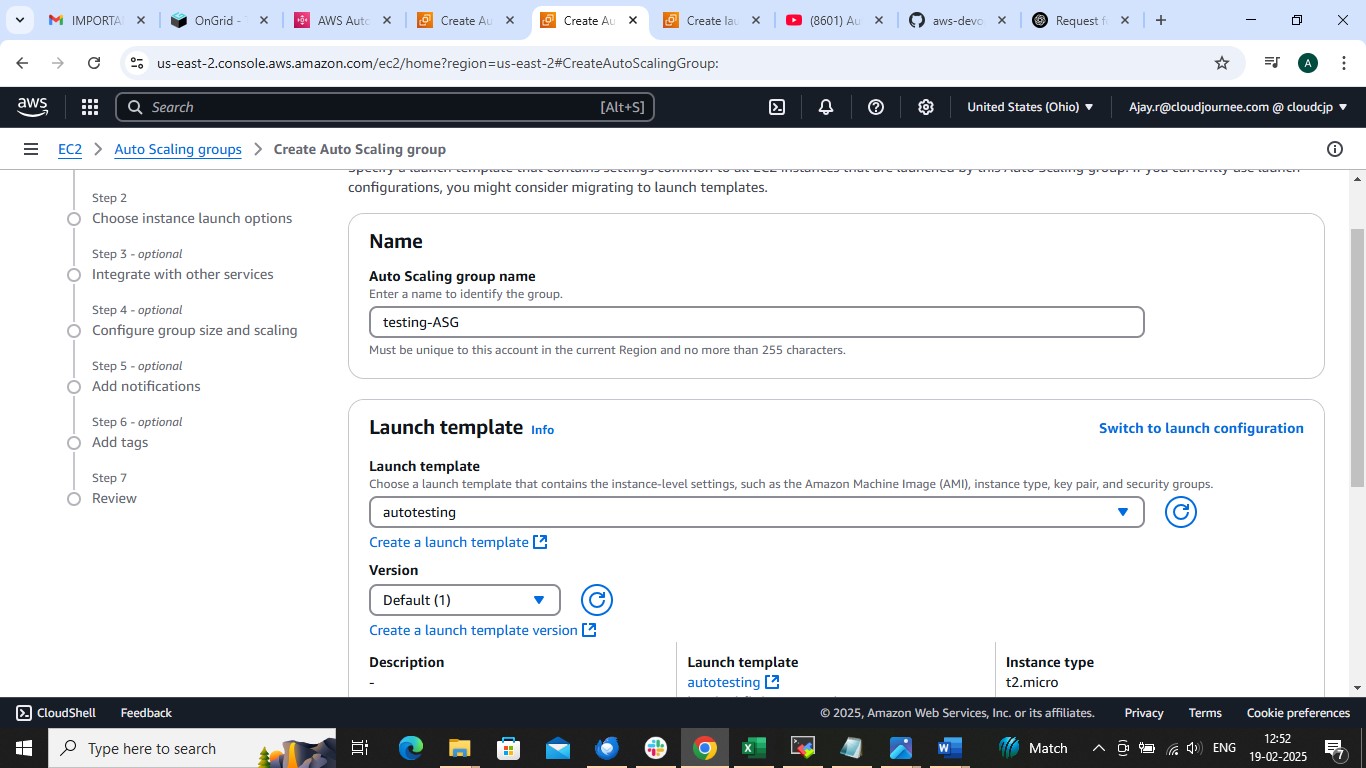
CHOOSE PROPERE INSTANCE TYPE



FOLLOW FOLLOWIMG STEPS AND 🡺 LAUNCH TEMPLATE



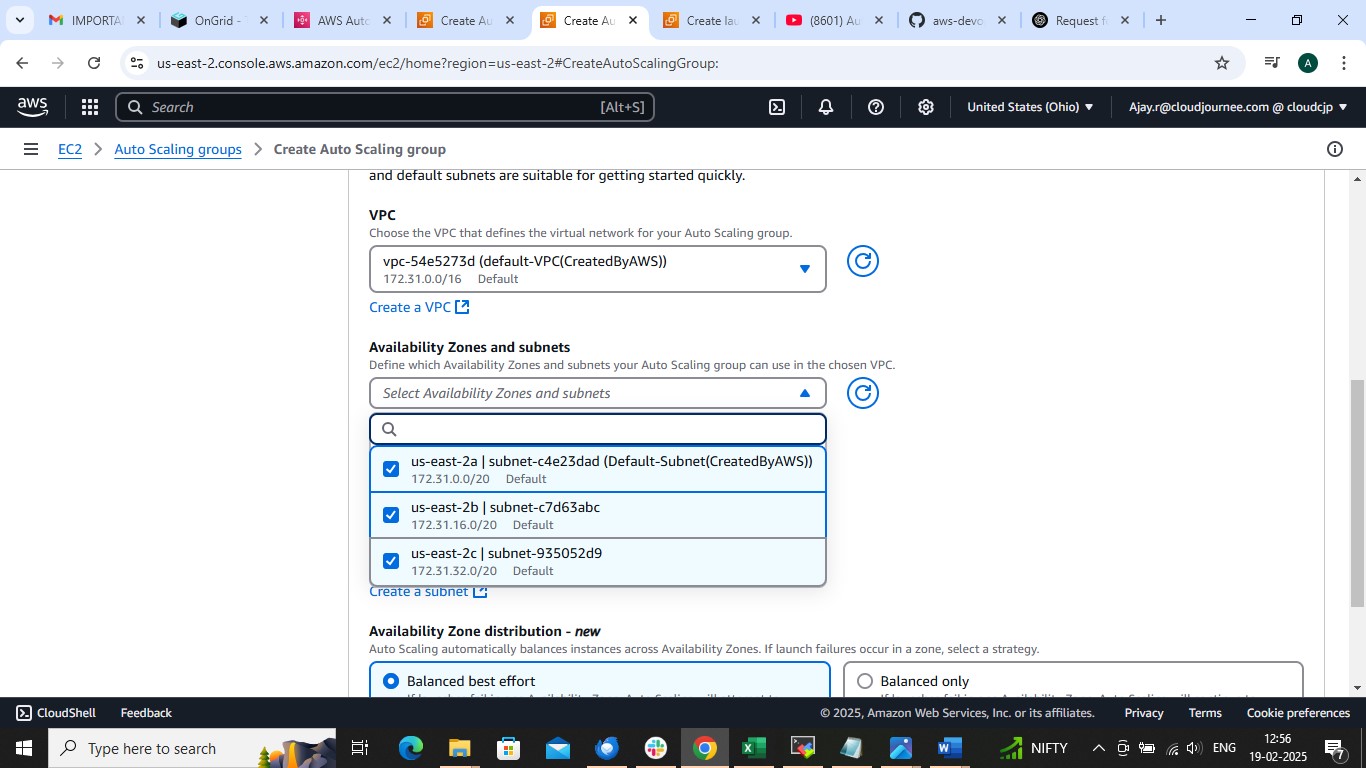
Go to ASG page and choose TEMPLATE



Choose VPC and subnet

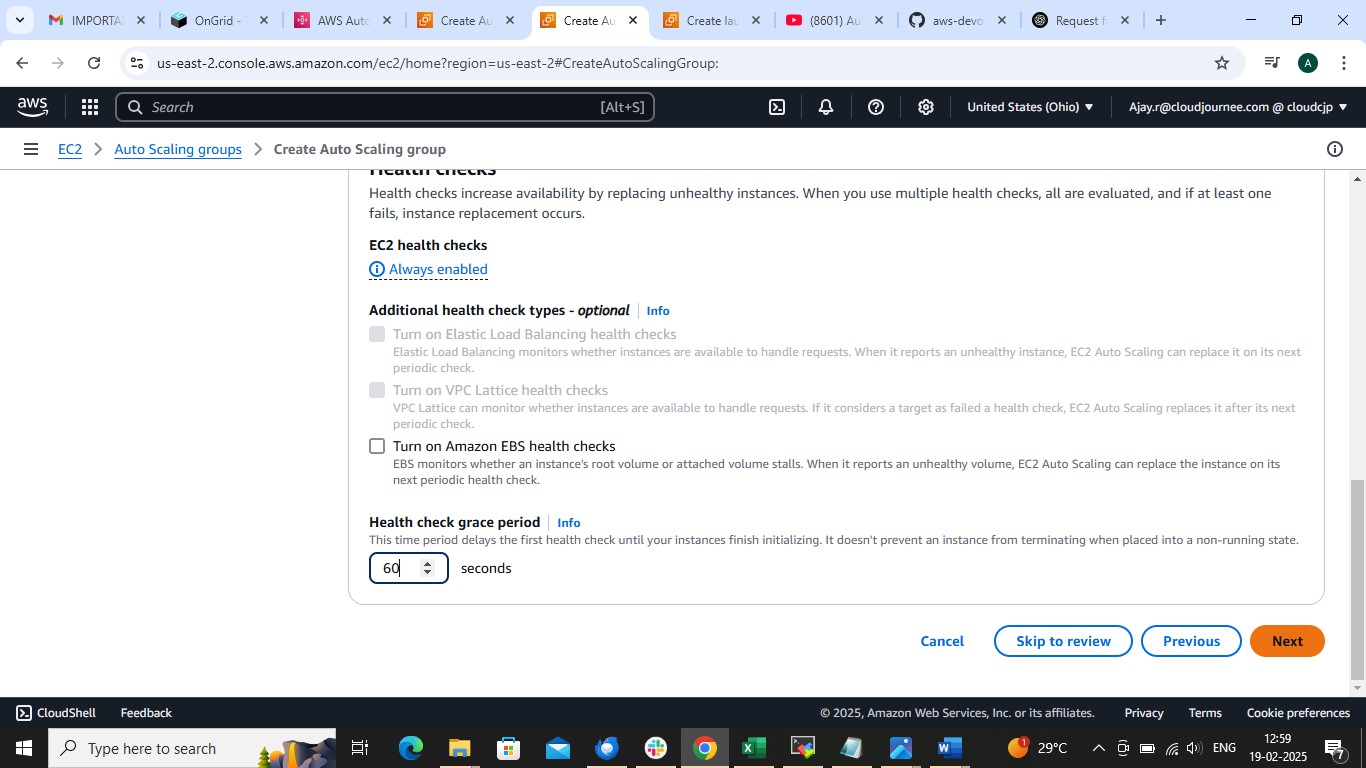
CHOOSE 2 T0 3 SUBNETS

IF HAVE CREATED THEN CHOOSE OR CHOOSE DEFAULT ONE

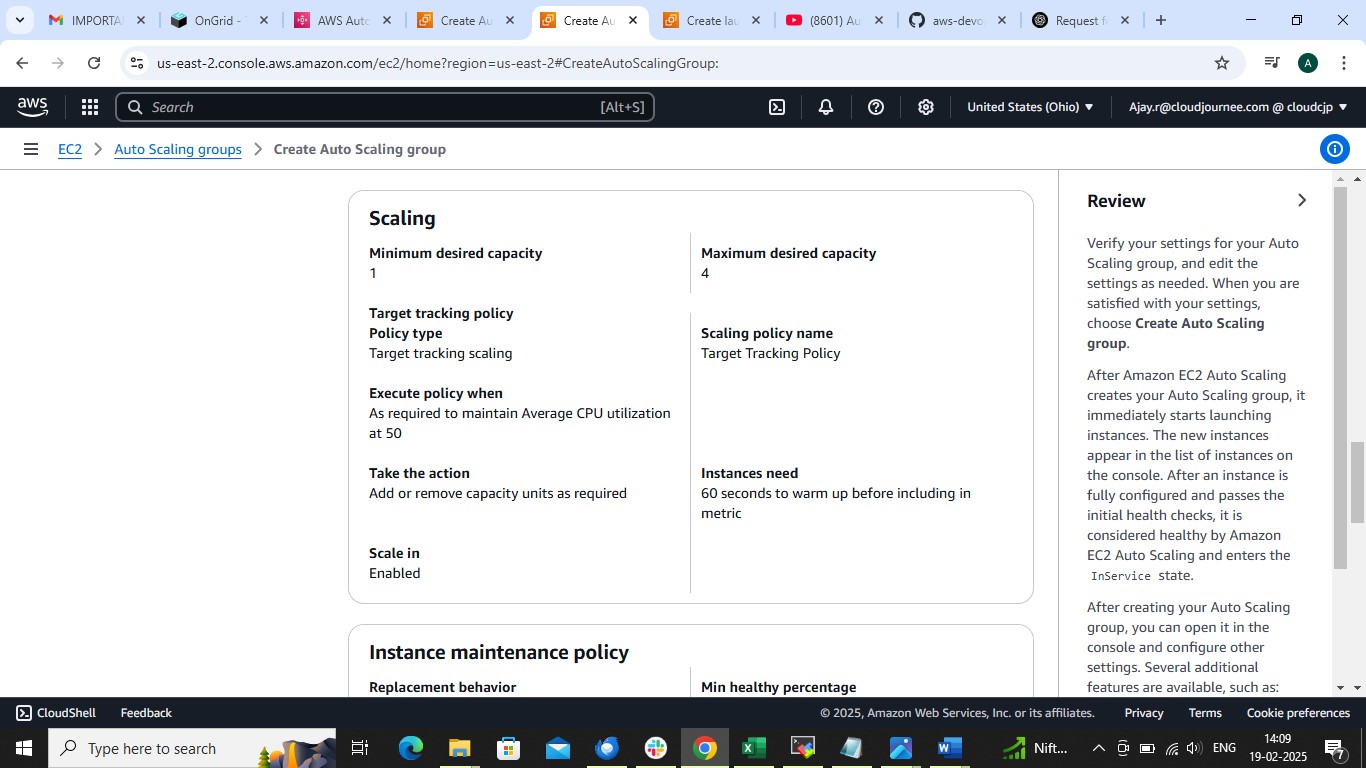


Check for ec2 health and put HEALTH GRACE PERIOD TO 60SEC

IT WILL AUTOMATICALLY REMOVE UNHEALTHY INSTANCE WITH HEALTHY ONE AG



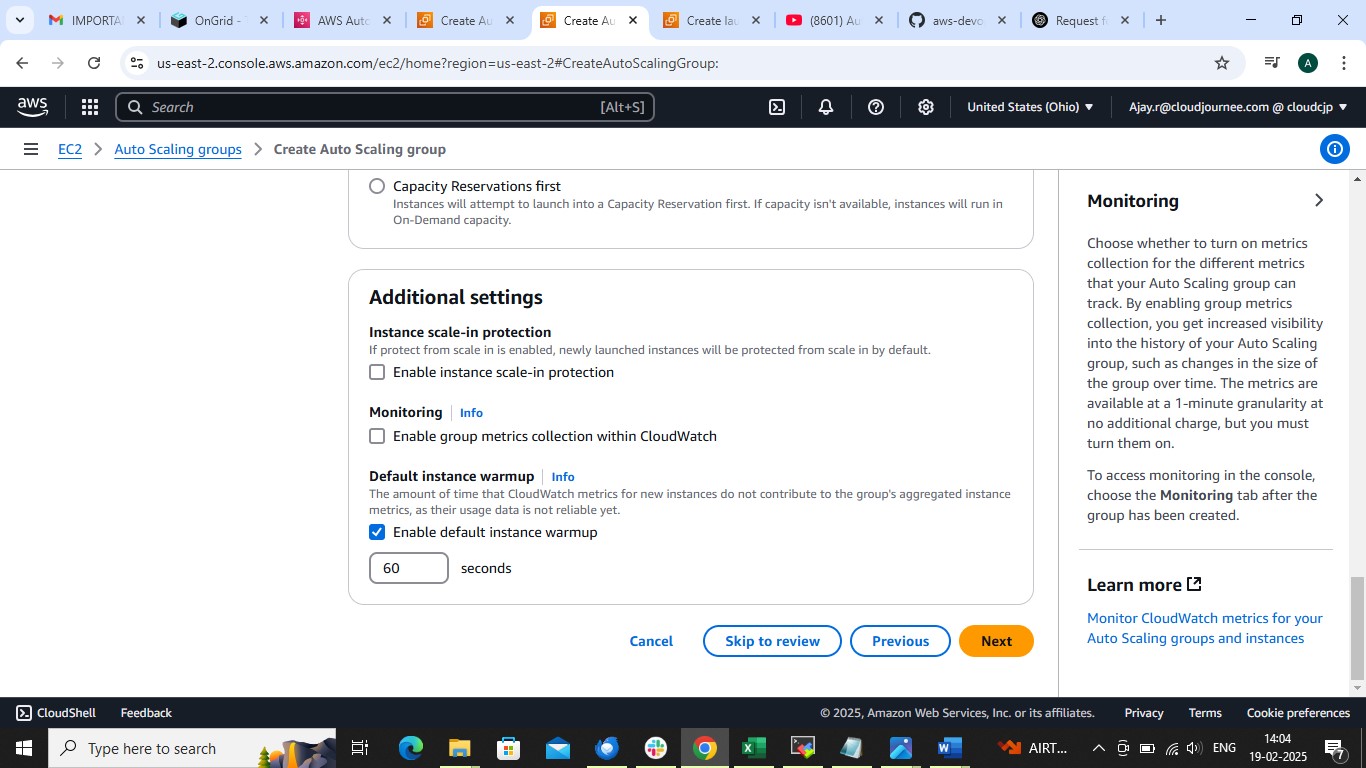
Configure max and min and desires number of instances



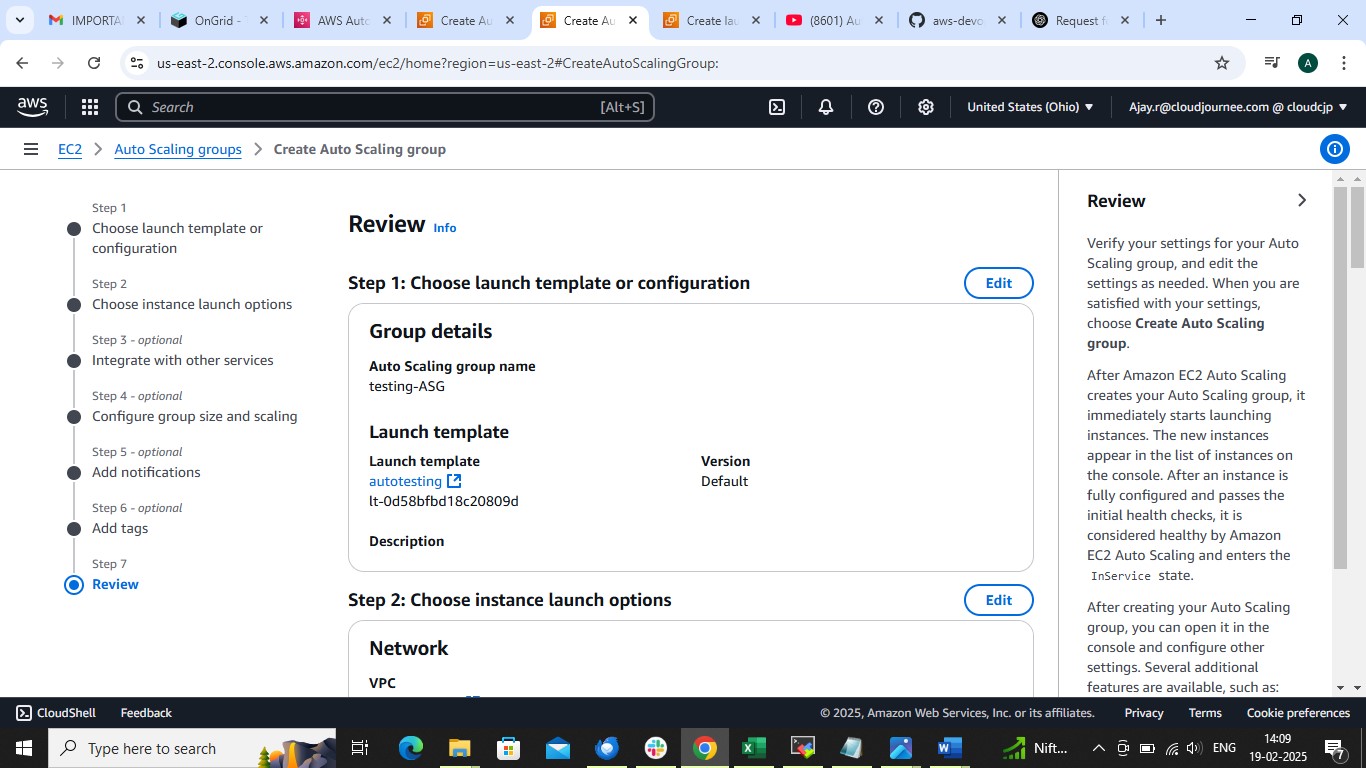
CHOOSE TARGET TRACKING SCALING AND SET CPU UTILIZATION 50

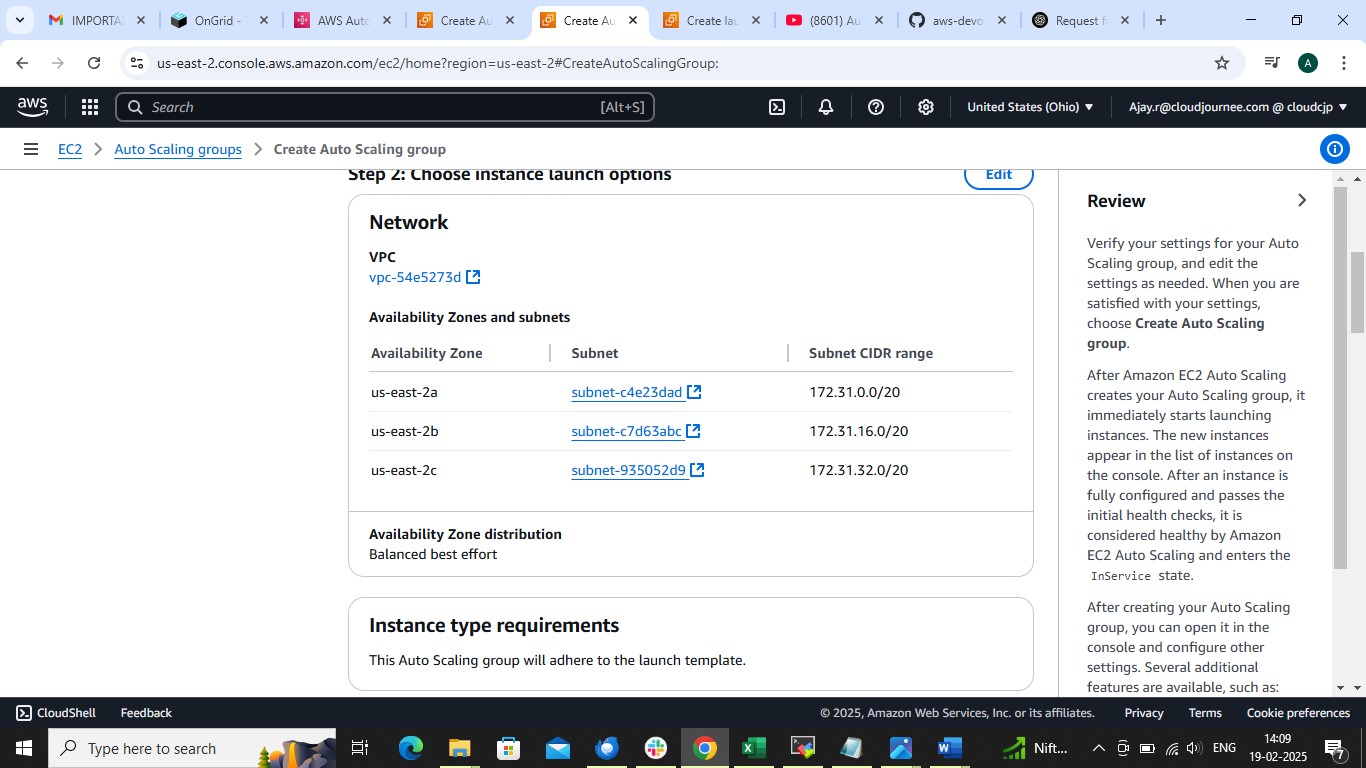
IT WILL AUTOMATICALLY INCREASE OR DECREASE INSTANCES BASED ON CUP UTILIZATION

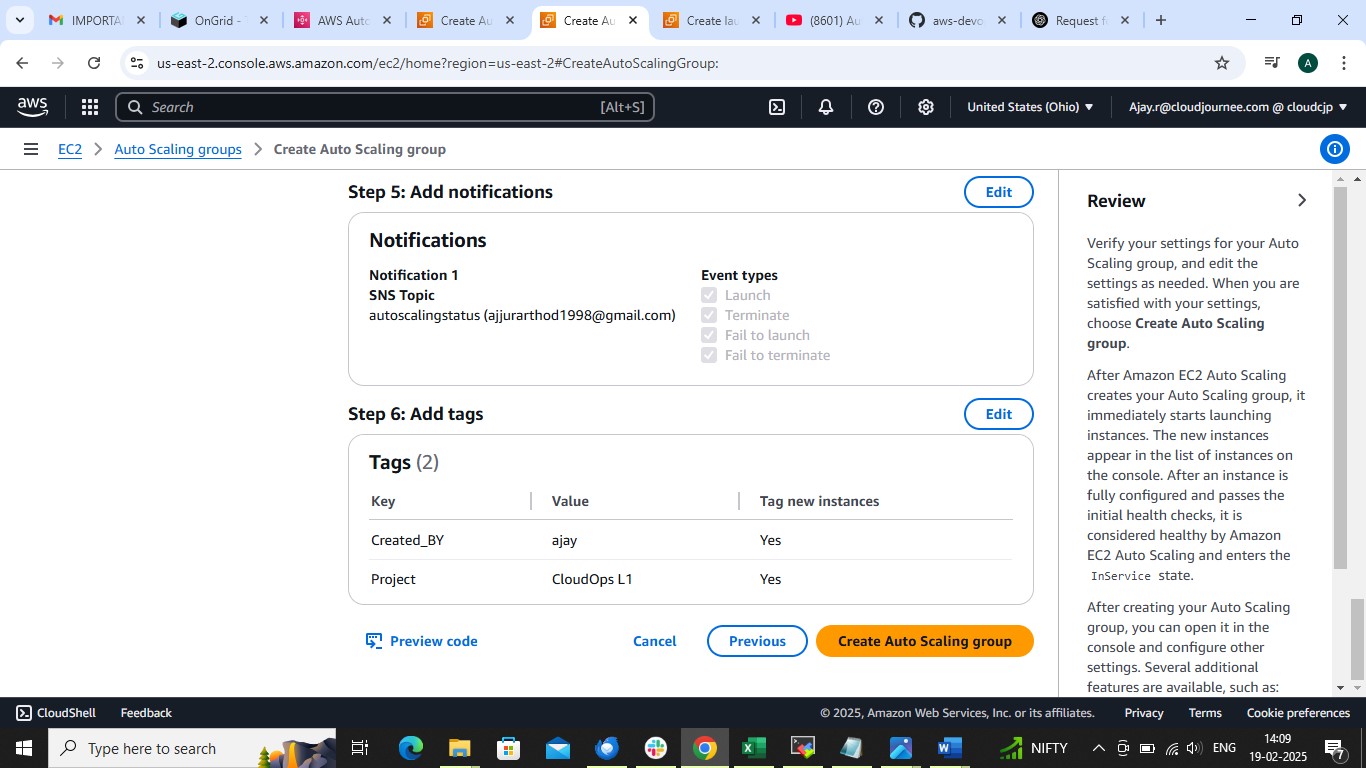




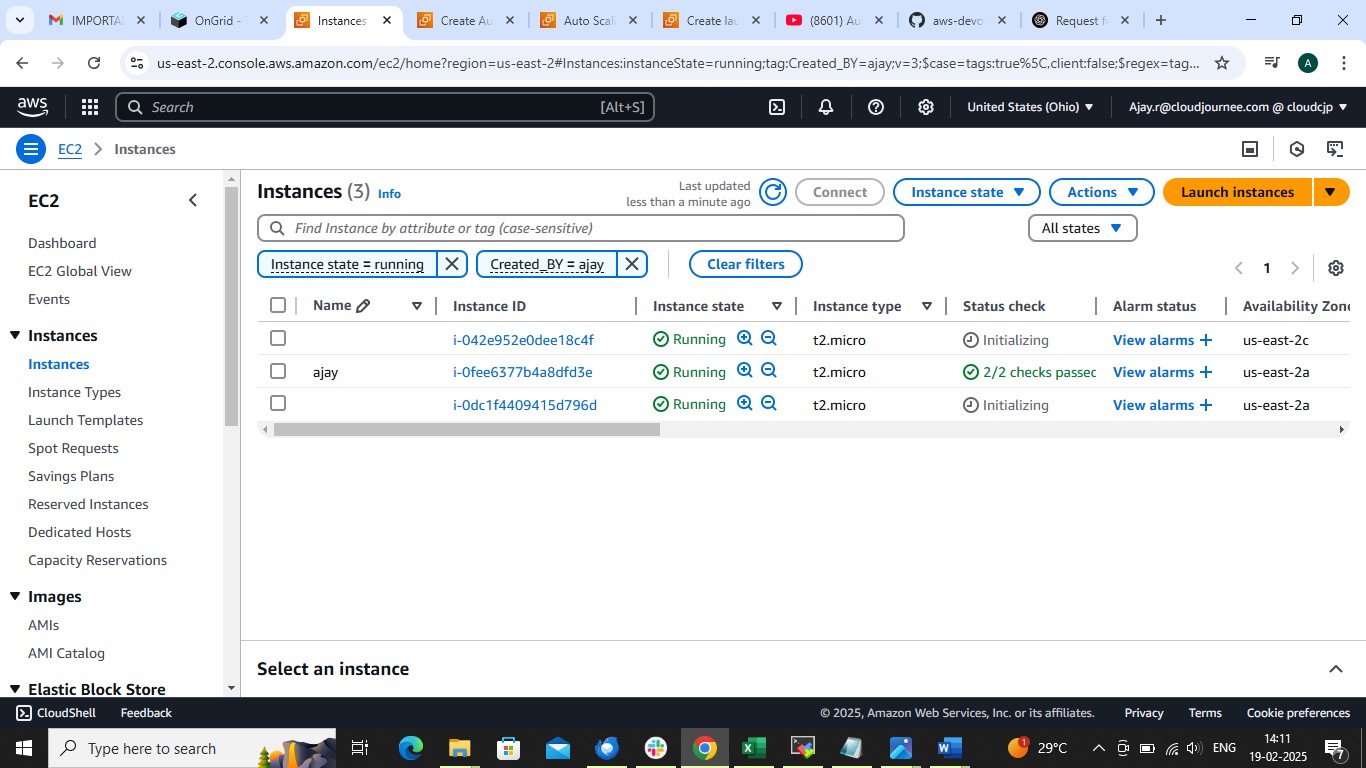
REVIEW AND CREATE





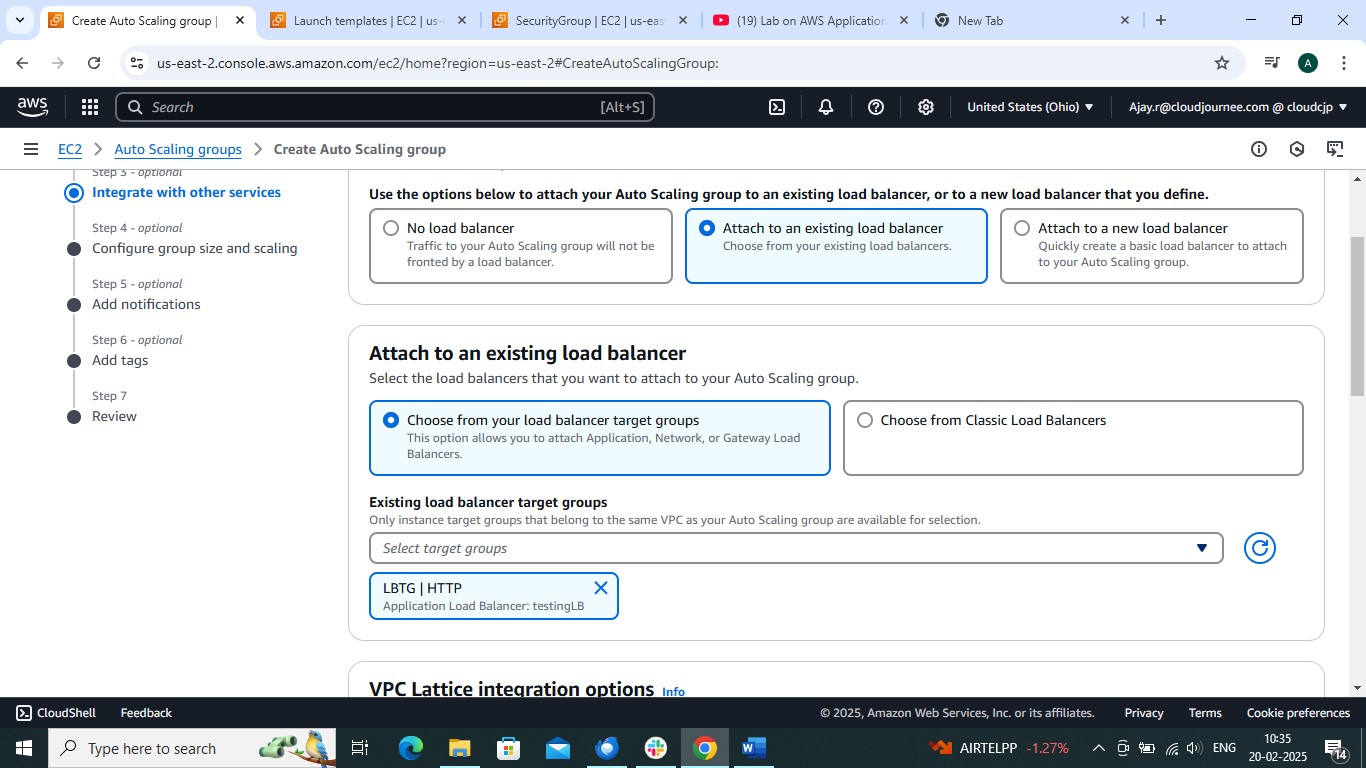


SEE THE RESULT

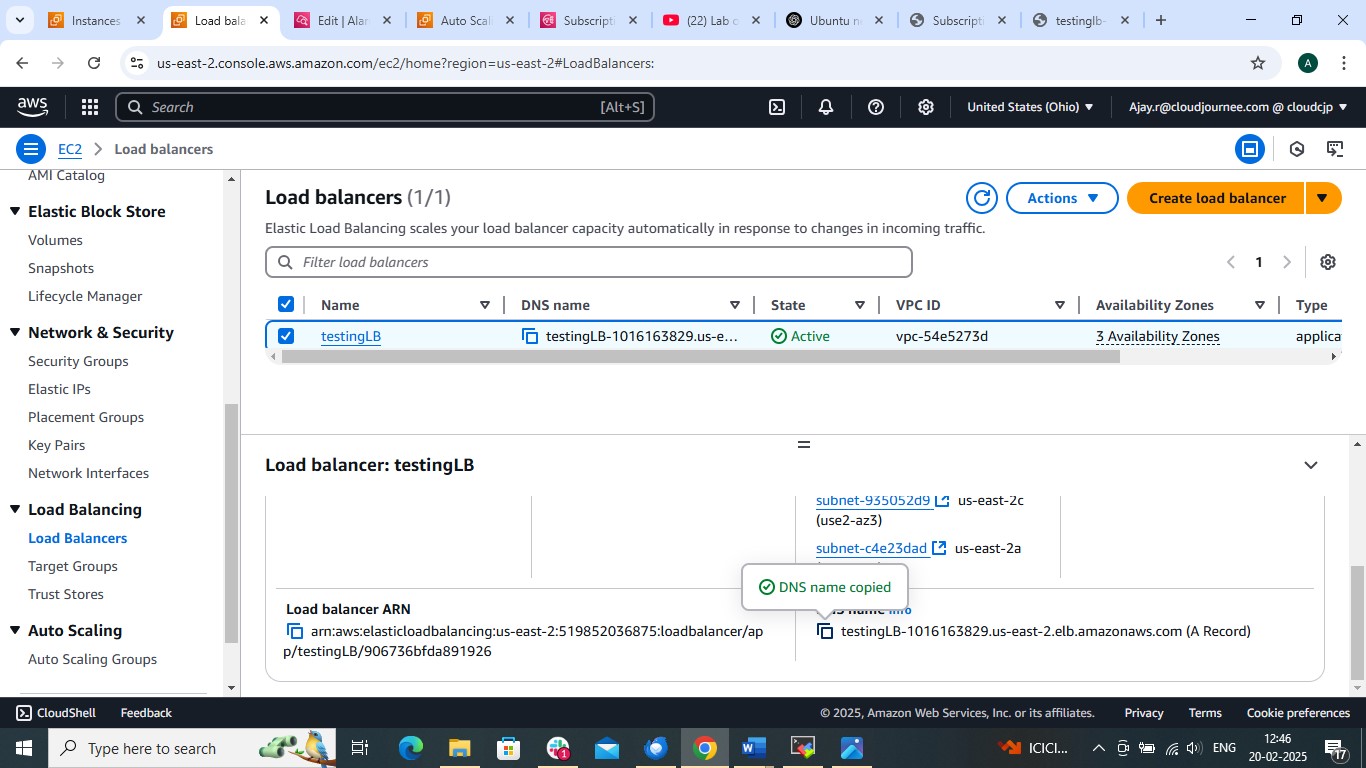


AFTER THIS 🡺ASG , In details section 🡺edit load balancer 🡺add existing load balancer or create NEW Lb AND ADD TARGET GROUP AND SAVE

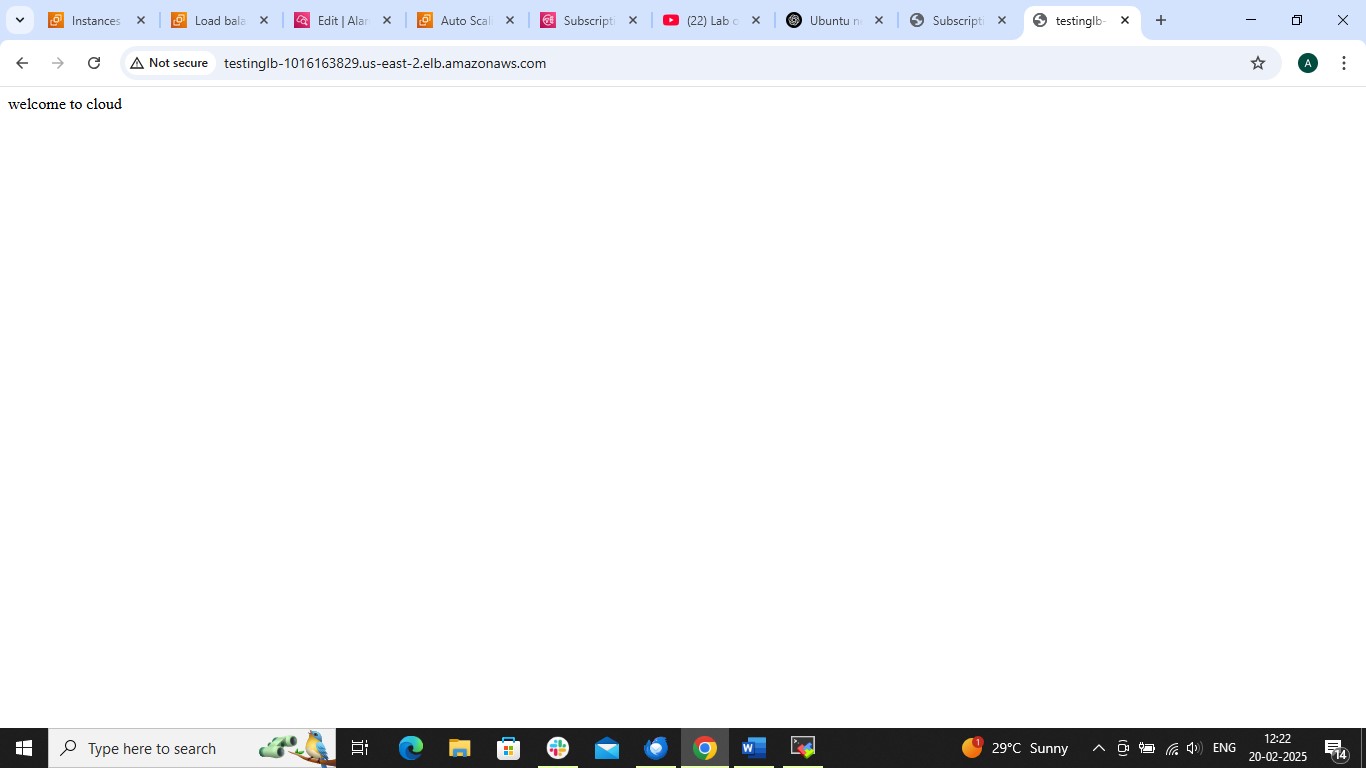
I AM GOING CHOOSE EXISTING ONE BCZ I HAVE ALREADY CREATED ONE ..REFER LOAD BALANCER FILE FOR MORE DETAILS



Now go to load balancer and select load balancer and copy DNS PATH



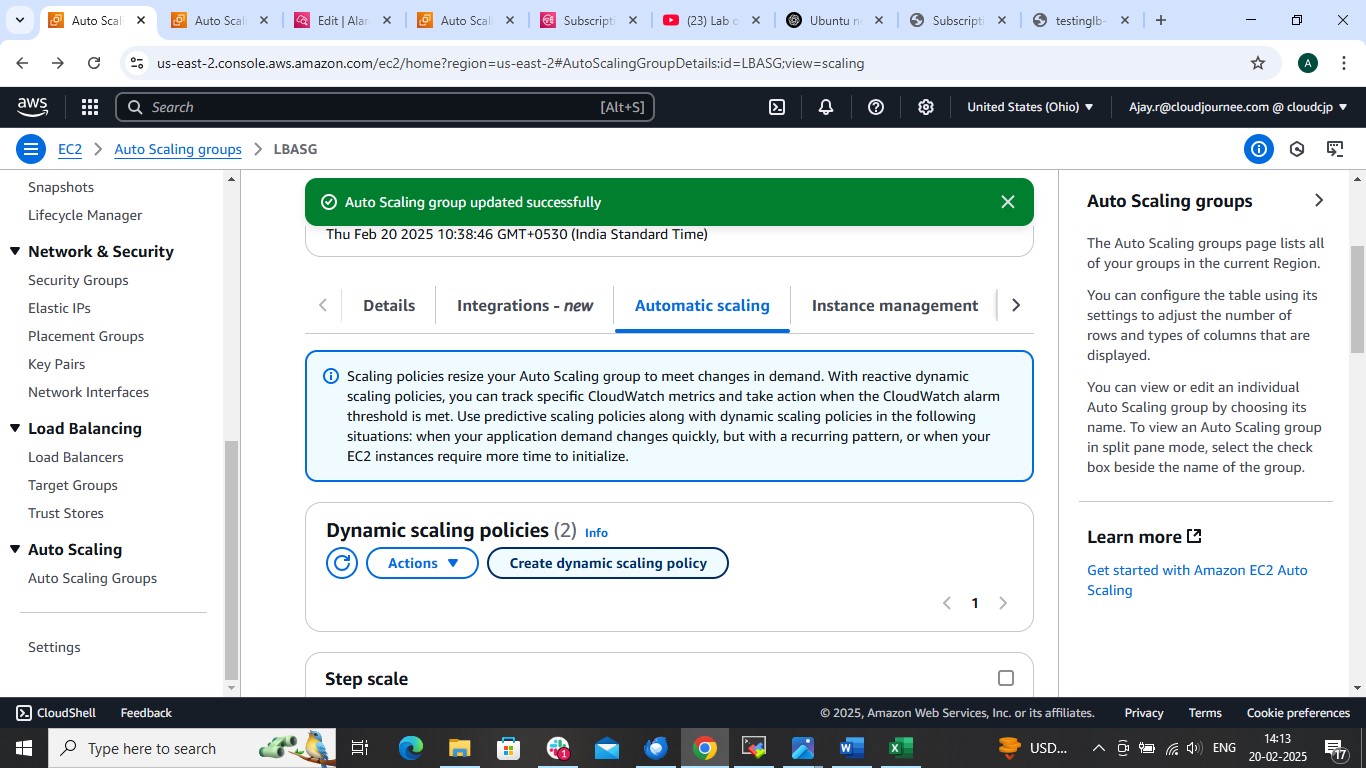
COPY AND PASTE DNS PATH IN BROWSER BY REMOVING S FROM PATH



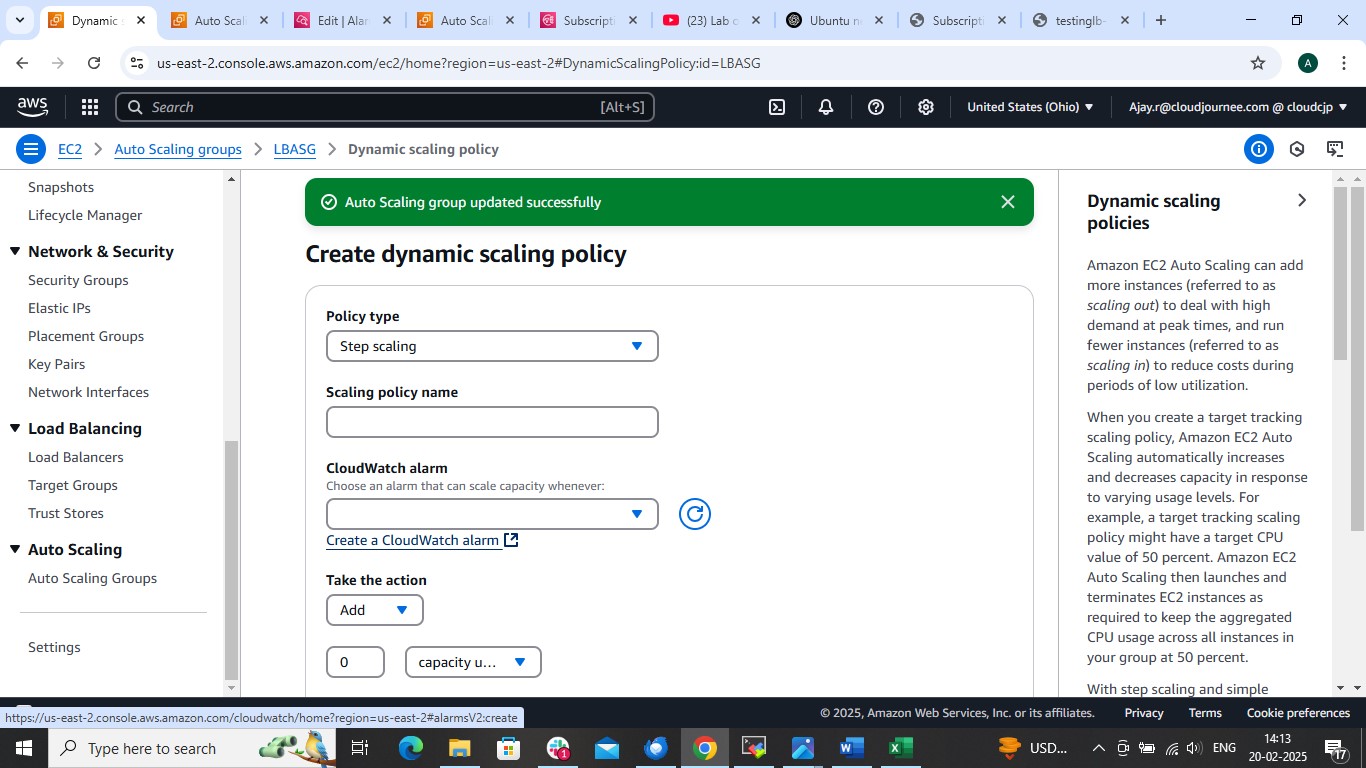
TILL NOW WE DID SCALING BY TARGET TRACKING

HOW TO DO SCALING BY STEP SCALING POLICY AND CLOUDWATCH ALARM

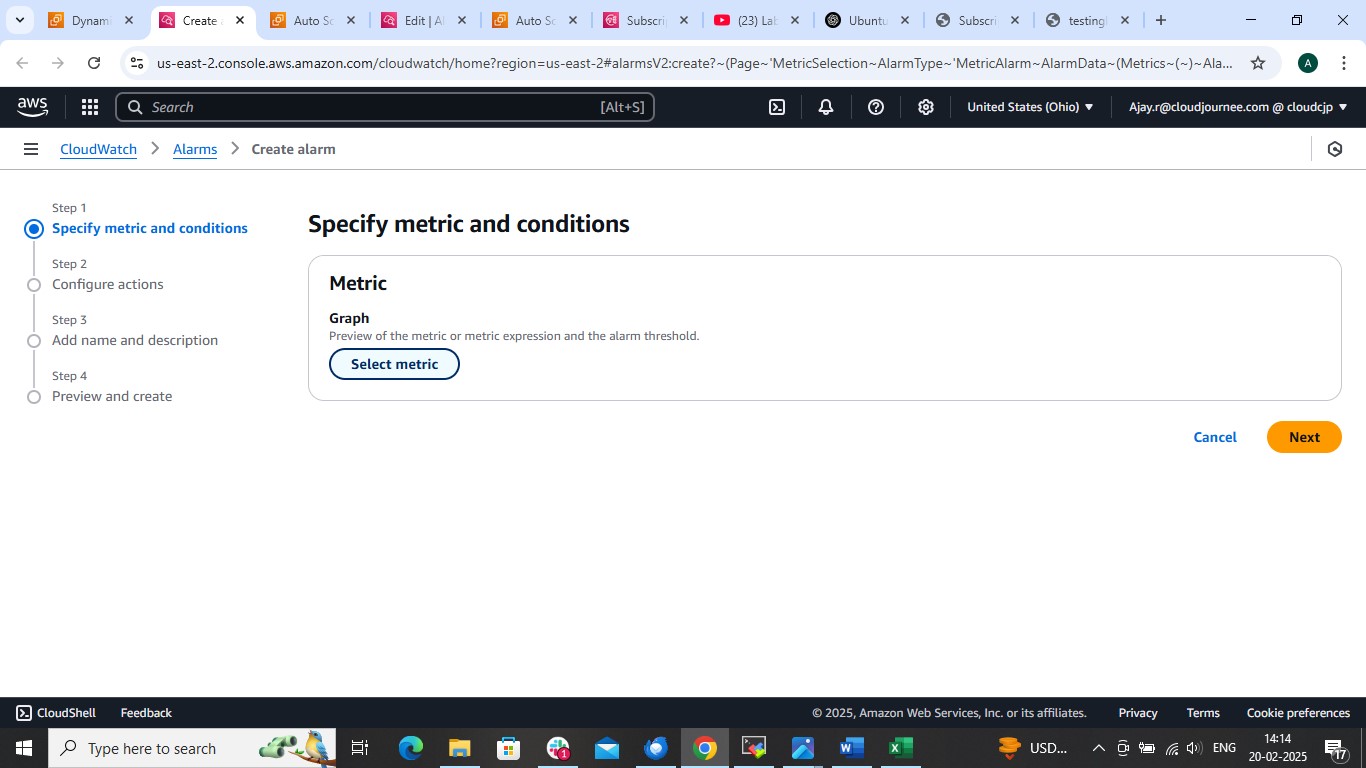
GO TO ASG 🡺SELECT ASG 🡺AUTOMATIC SCALING 🡺CREATE DYANAMIC SCALING POLICY



CHOOSE STEP SCALING AND GIVE NAME AND 🡺CLOUDWATCH ALARM



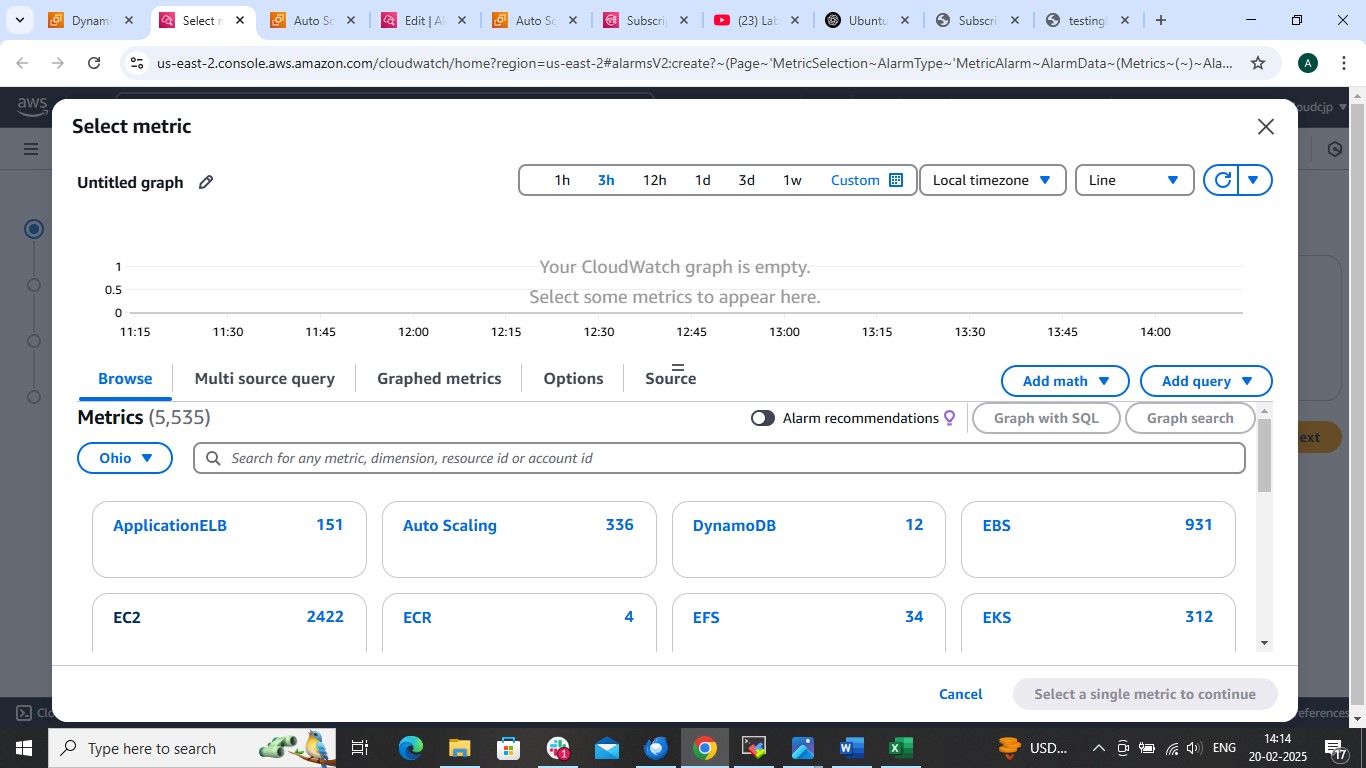
SELECT METRIC



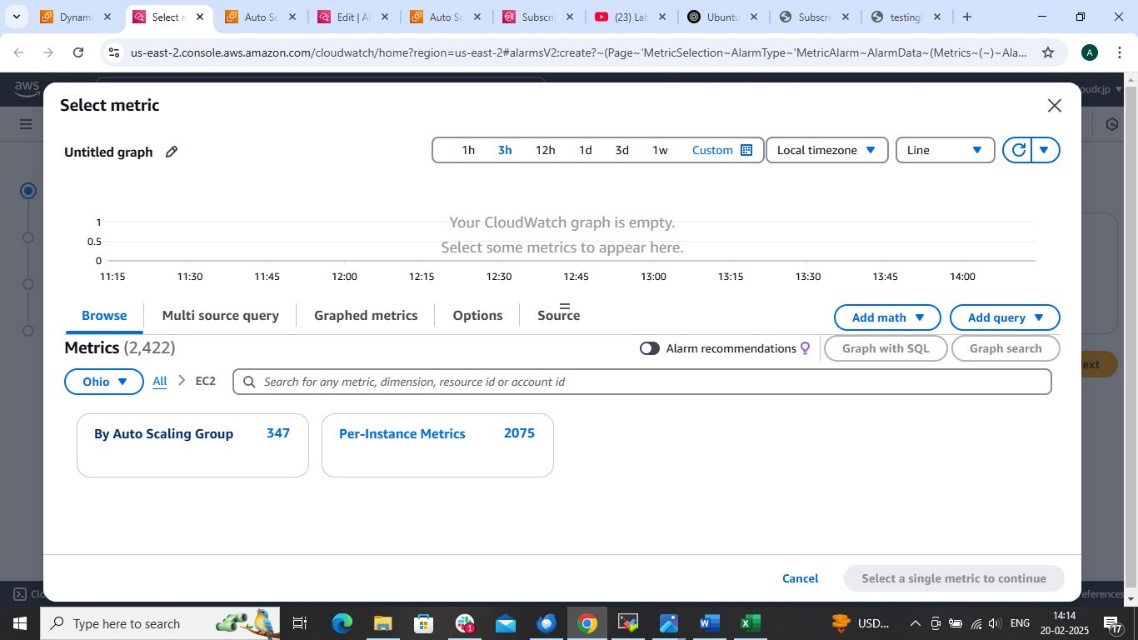
IN BELOW PAGE

From Line section we can choose any type of diagram like BAR, GUAGE , ETC

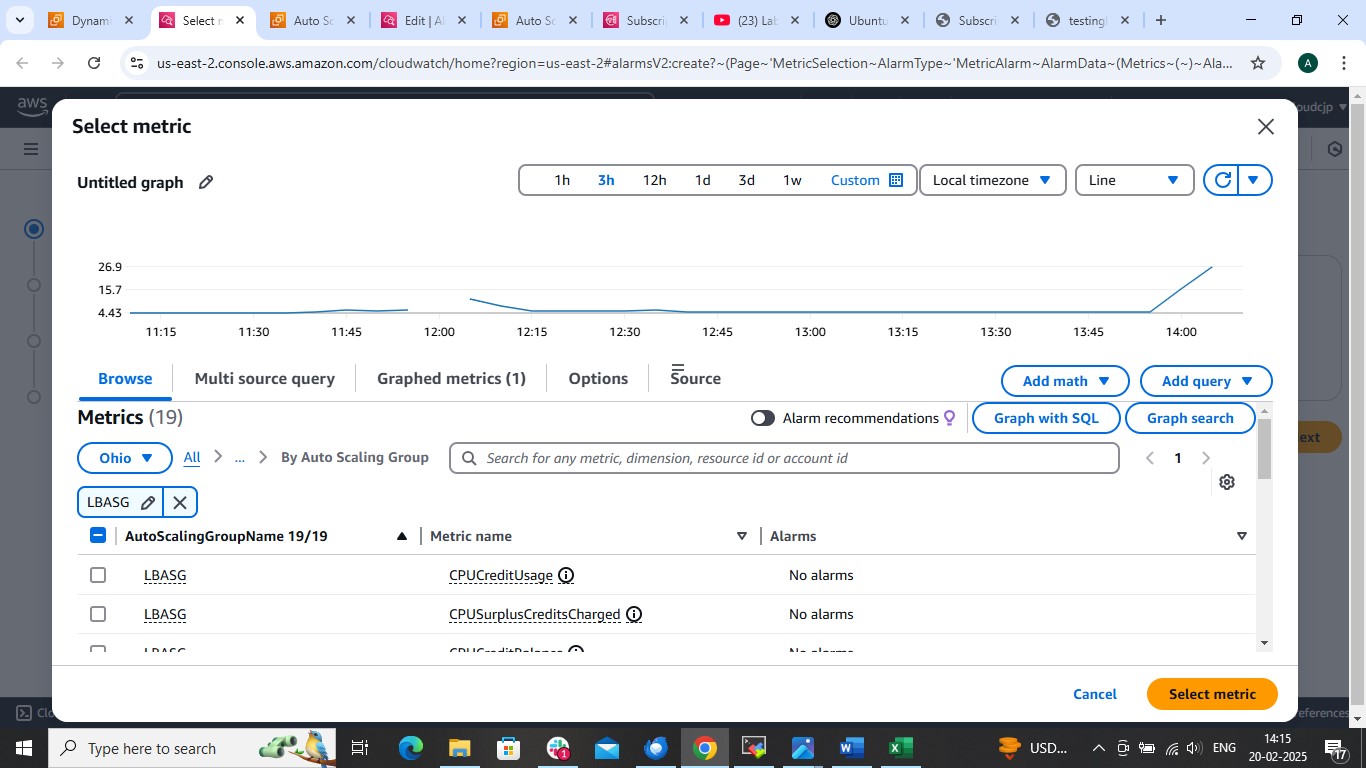
🡺EC2

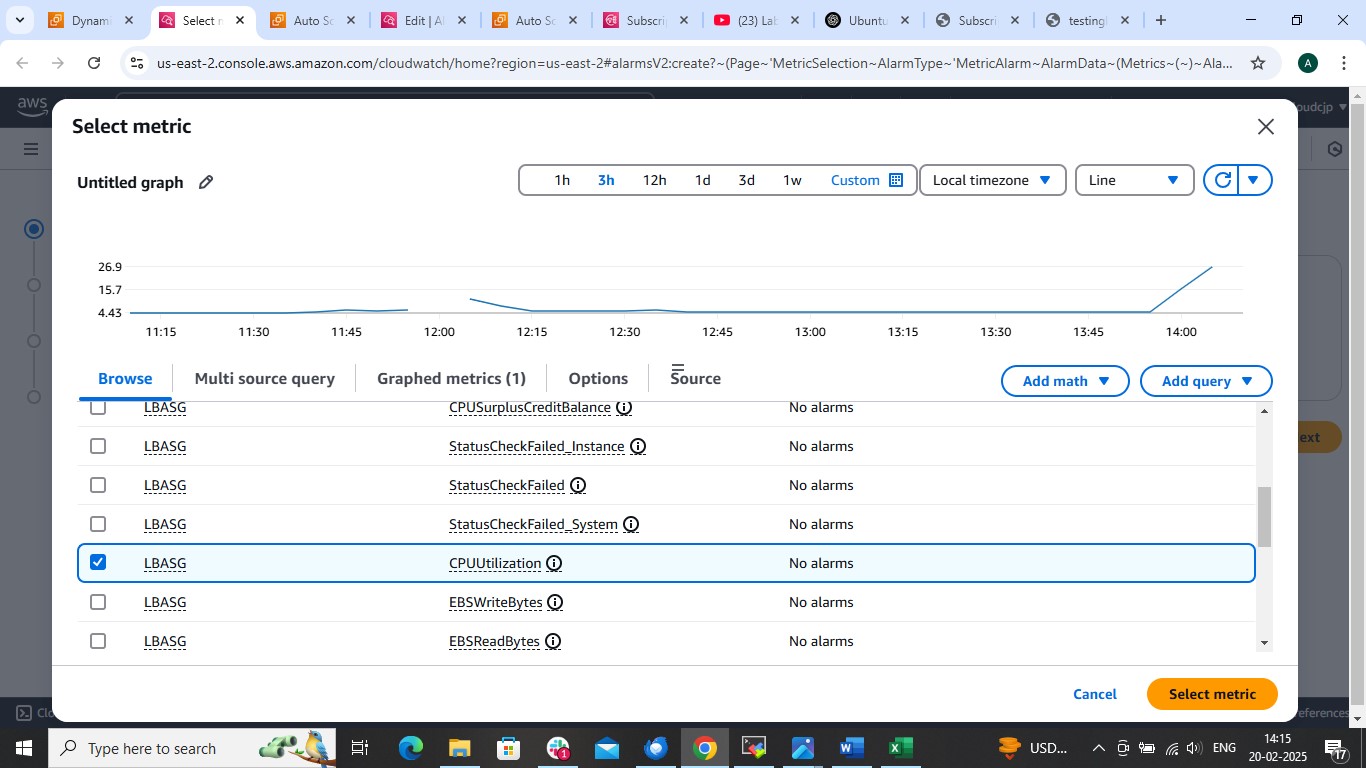


🡺By auto scaling group



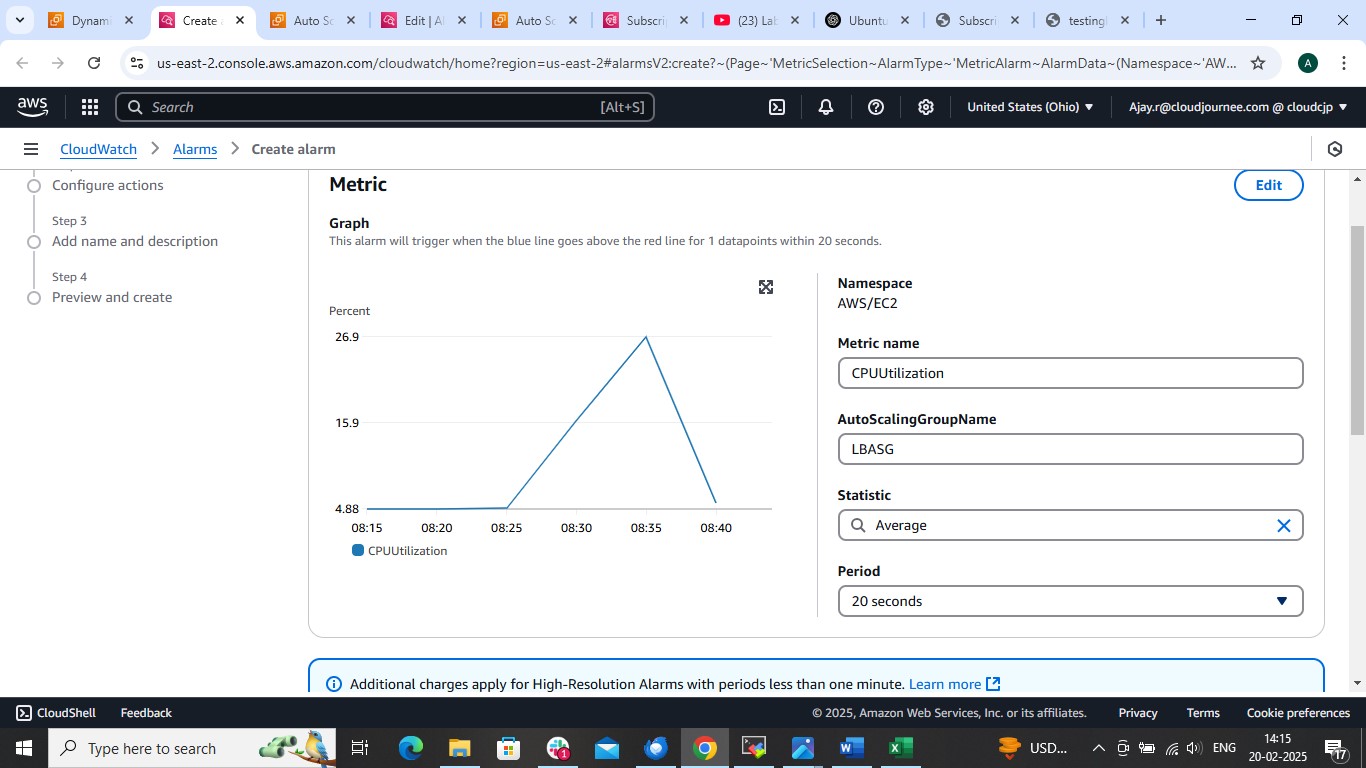
SEARCH load balancer autoscaling group

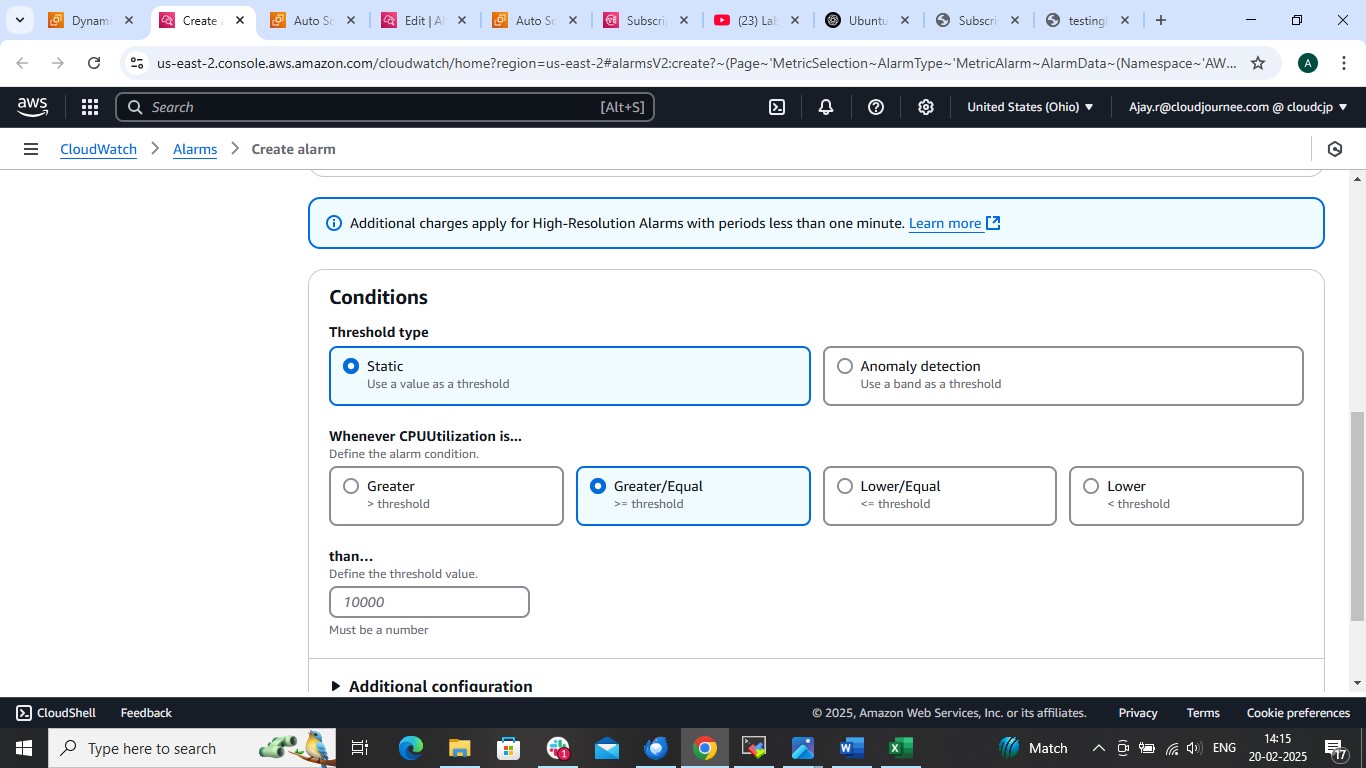


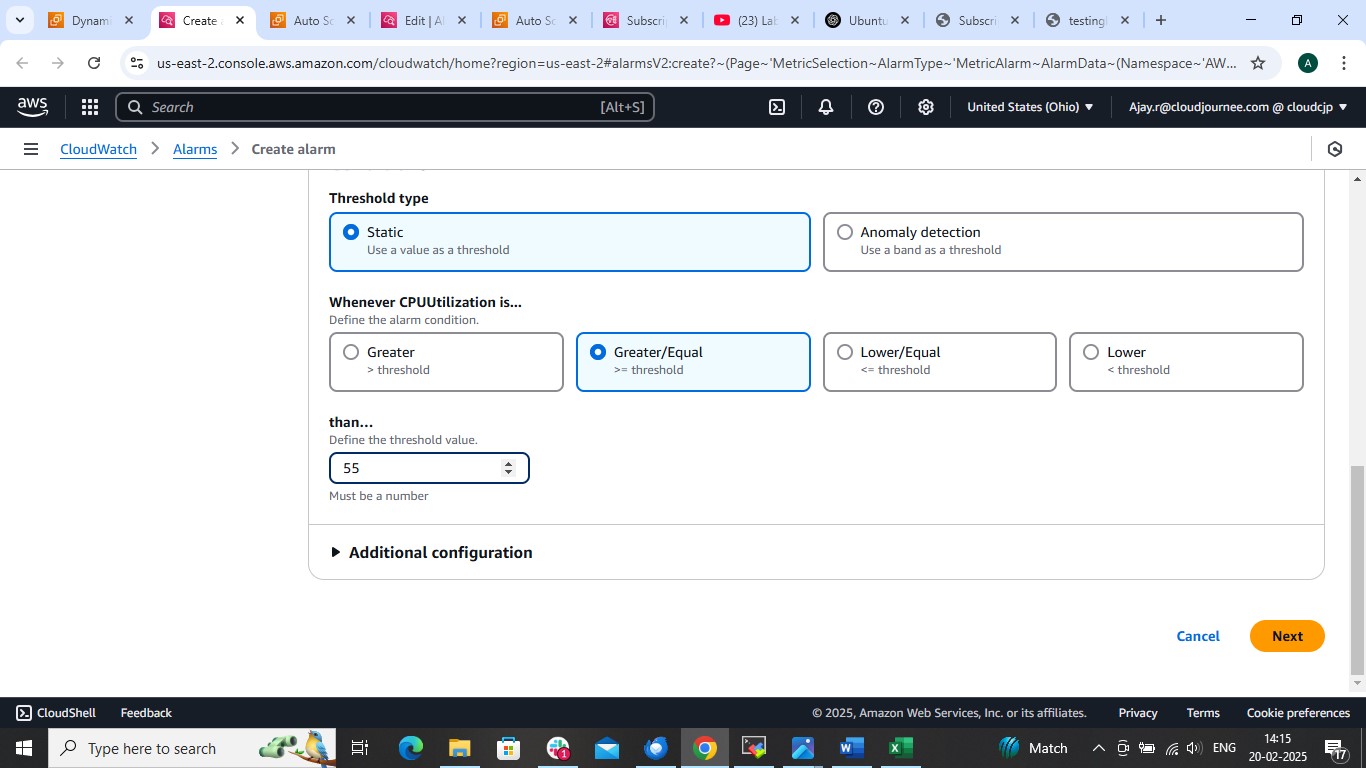


🡺create

REVIEW



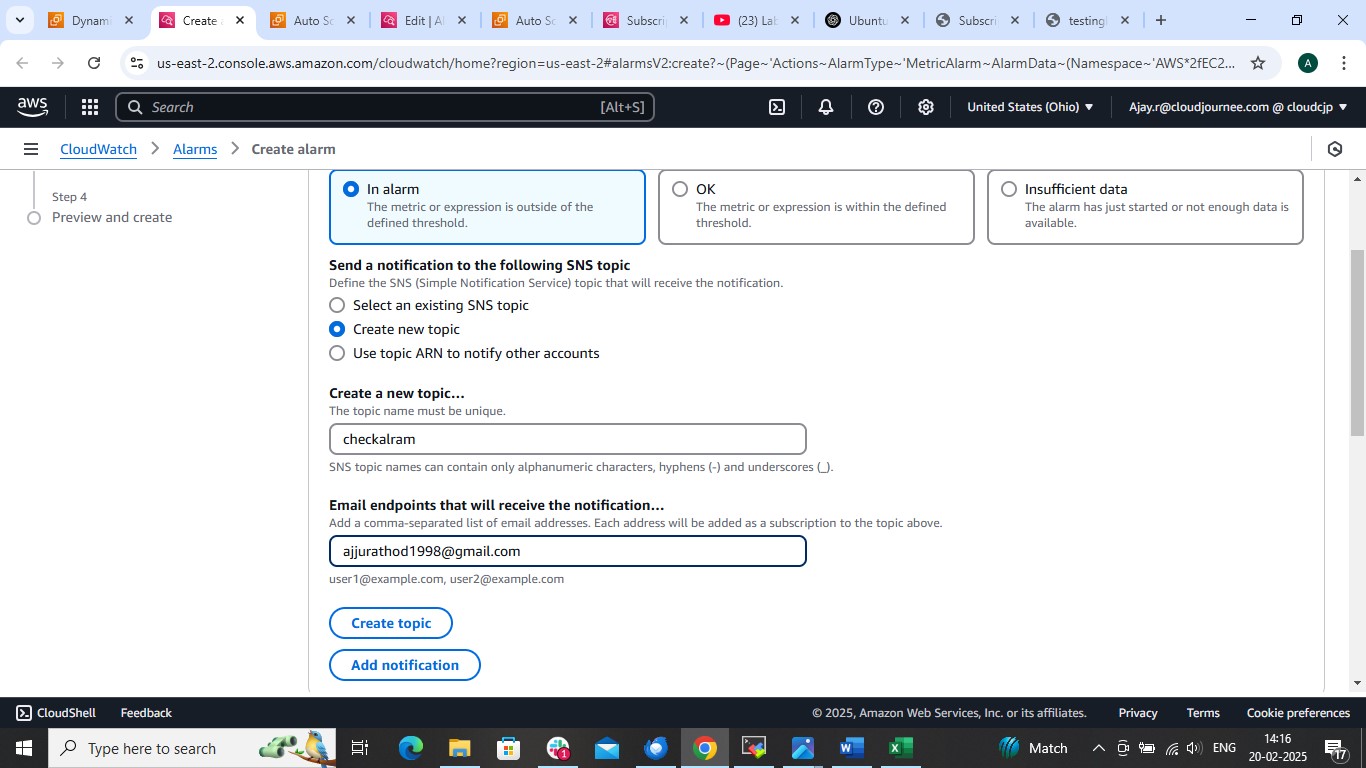


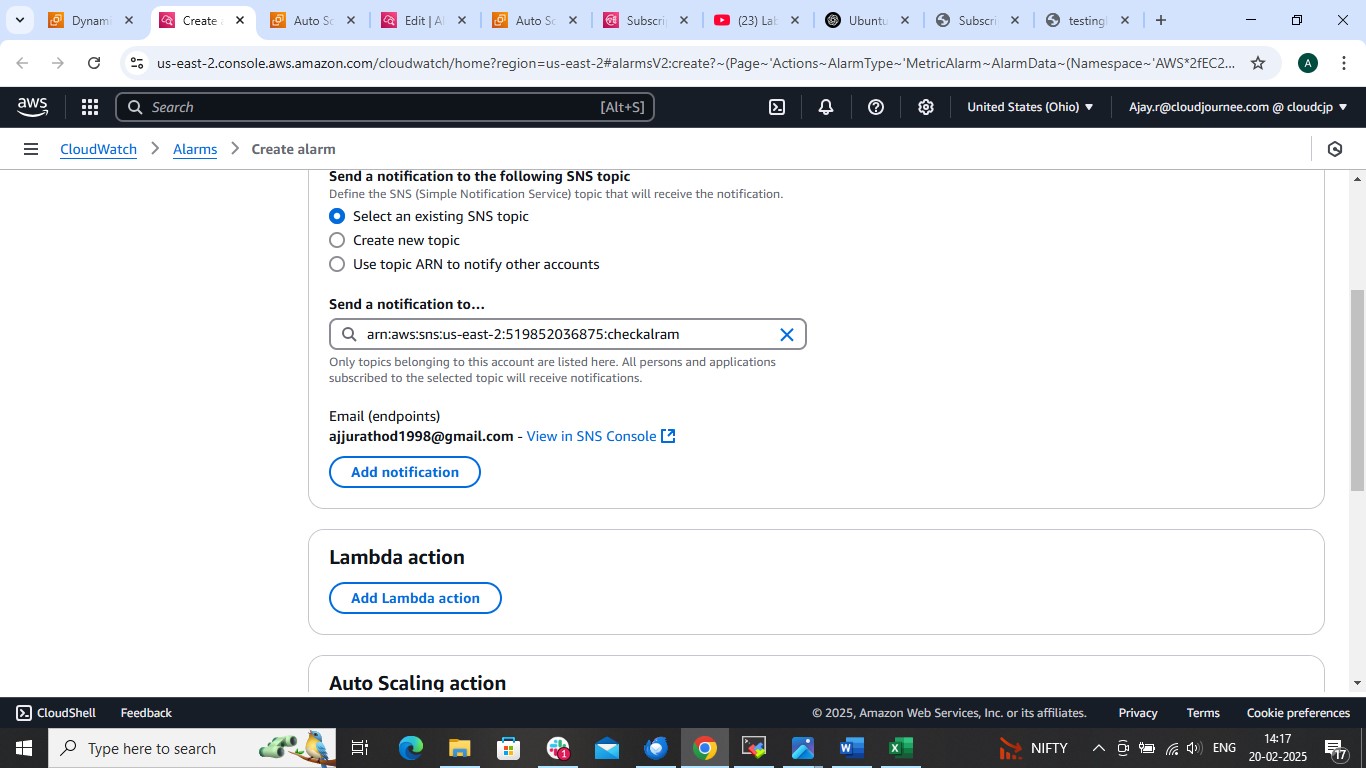


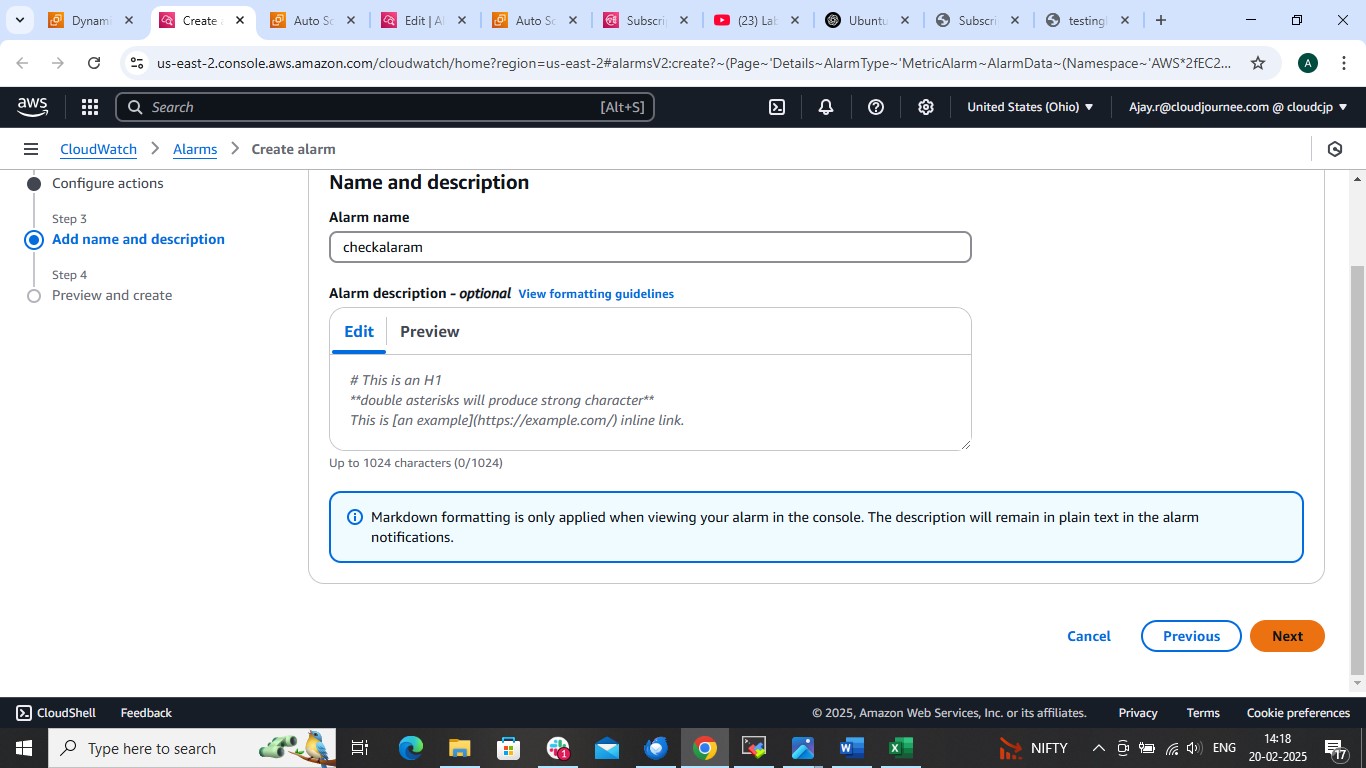
🡺create new topic and give topic name and mail id 🡺create topic

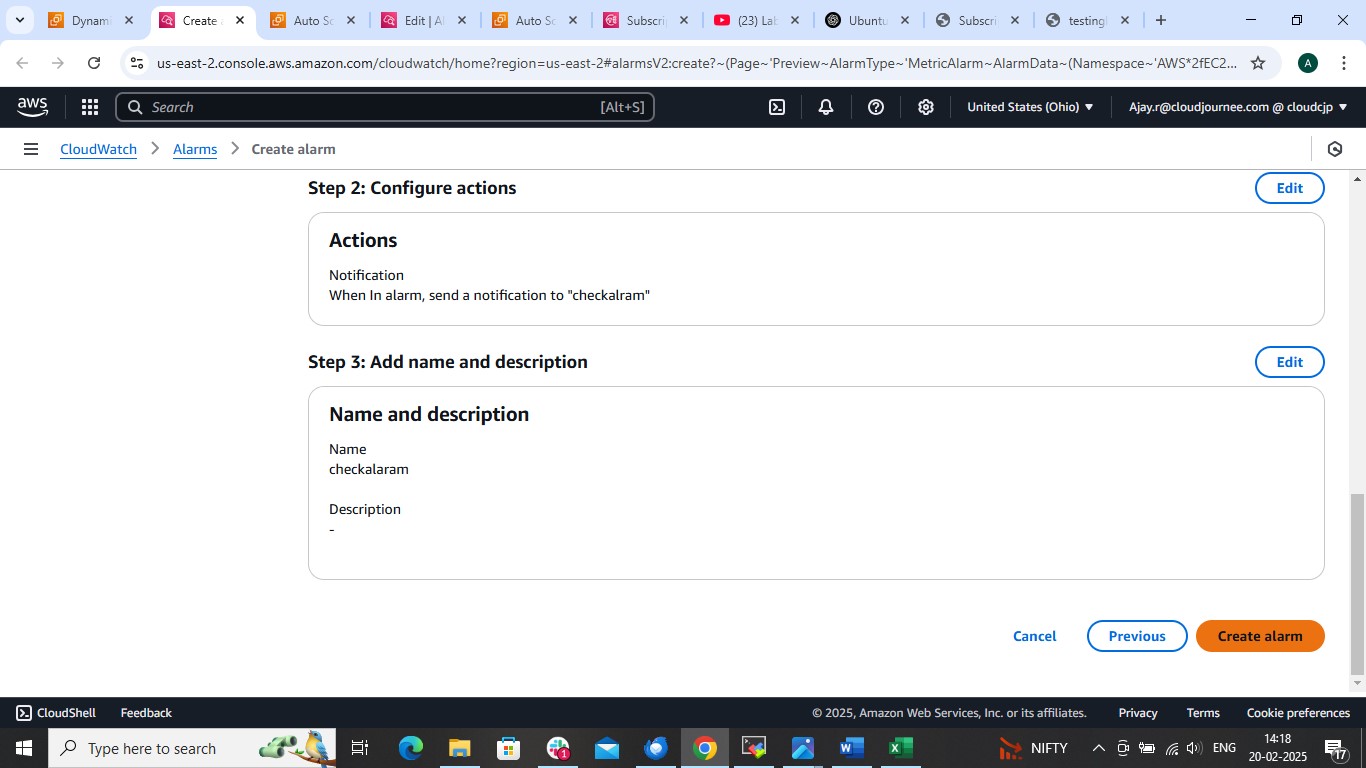
And select topic ..

Go to mail give confirm subscription





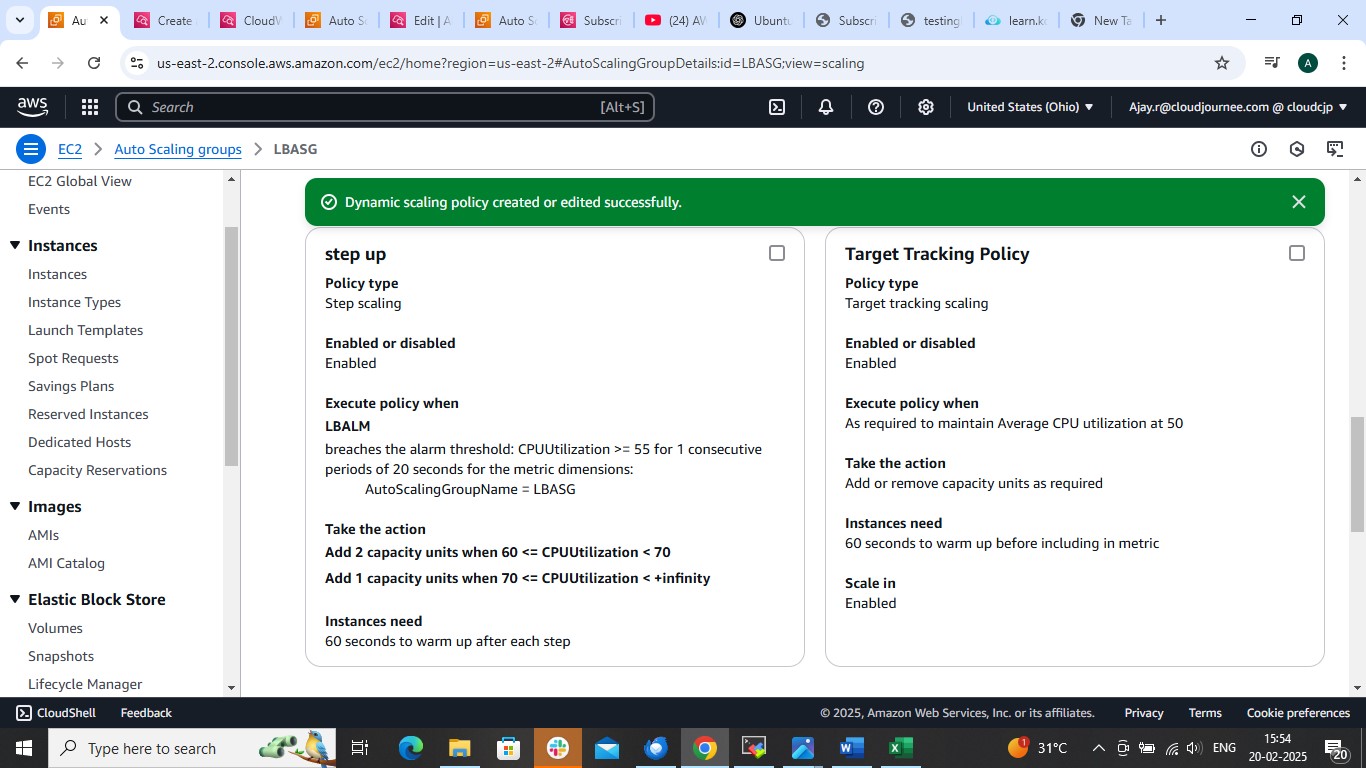




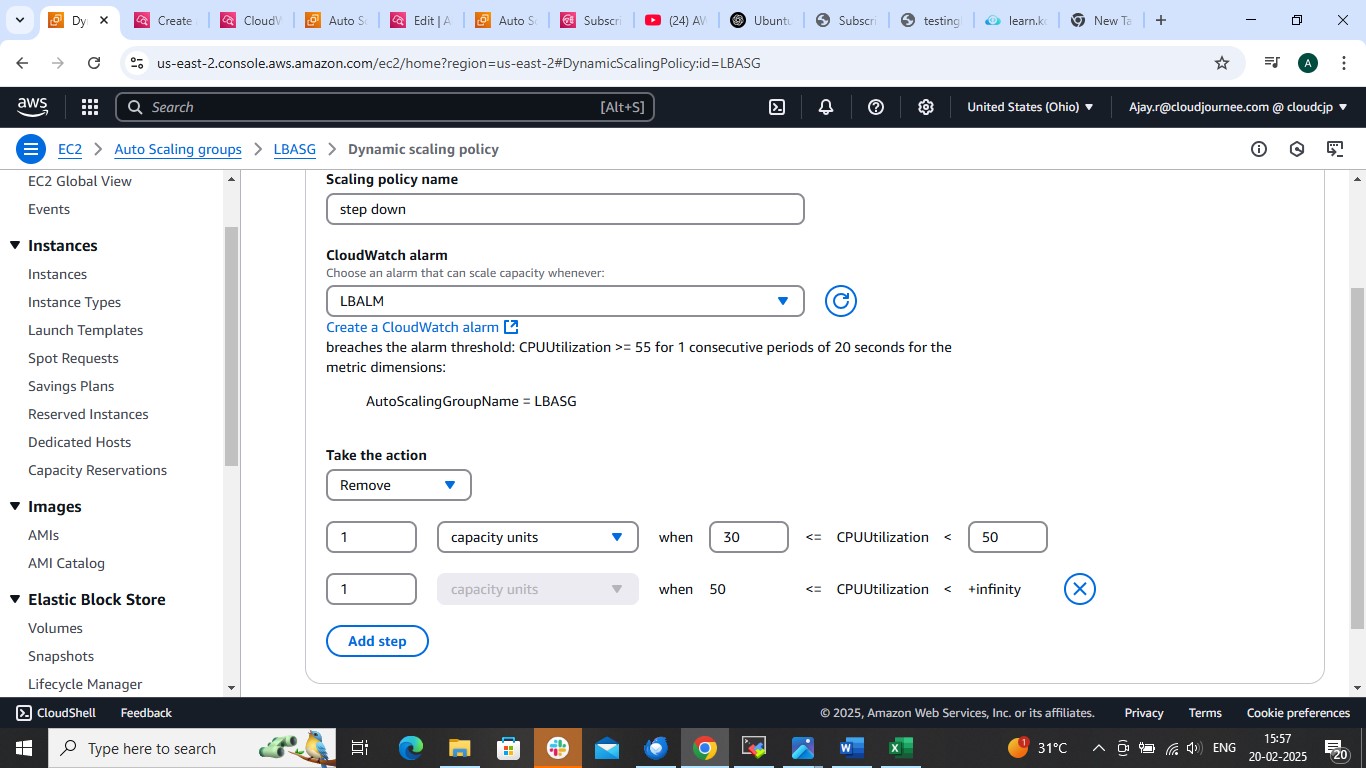
AFTER CREATING ALARAM NOW ATTACH IT

Now to 2 add instance if CUP utilization > then 60

And add 1 or (3) after cpu utilization > 70



To remove instance if cup utilization is less than 30



That it