SNS SES CloudWatch

1. Monitor Your Estimated Charges Using CloudWatch

Step 1: Enable Billing Alerts

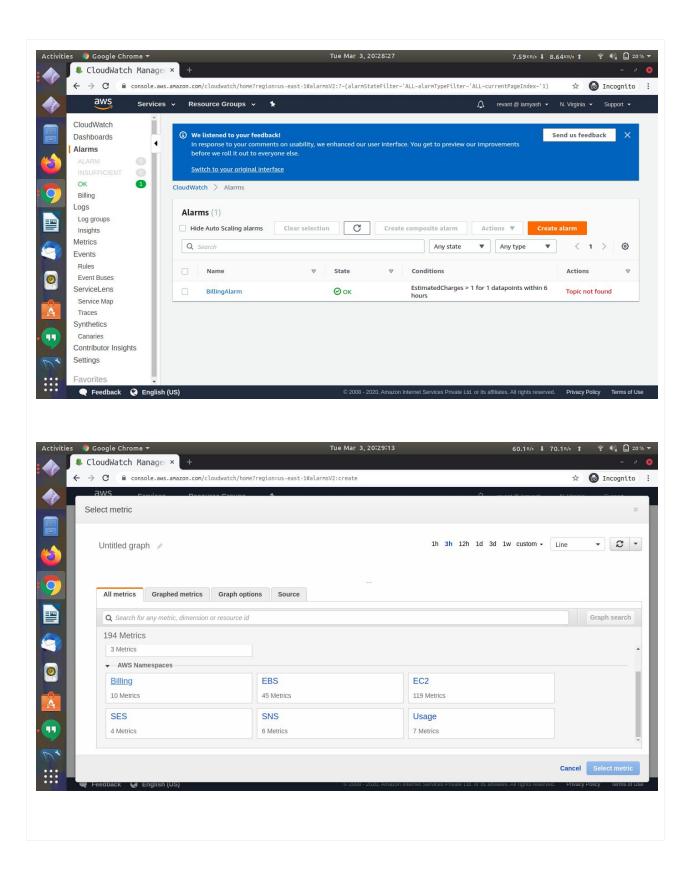
Step 2: Create a Billing Alarm

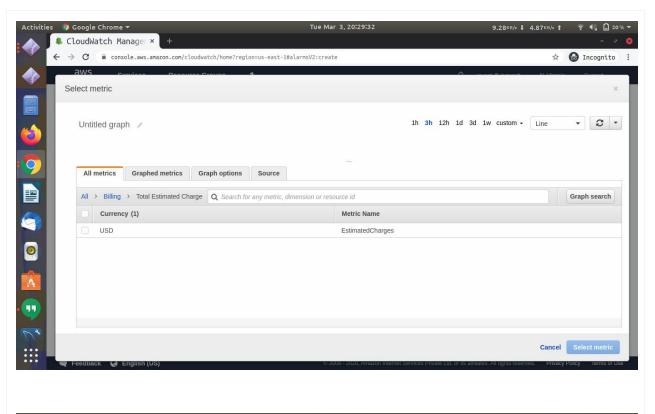
Step 3: Check the Alarm Status

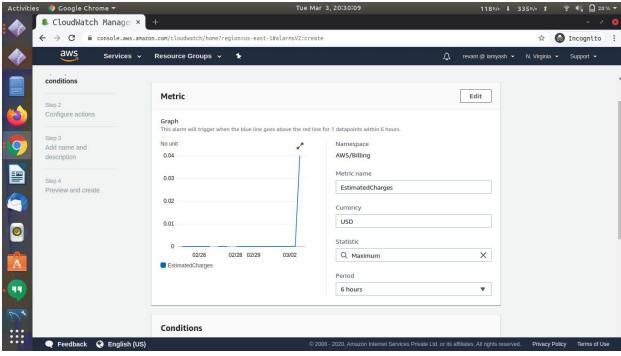
Step 4: Create & Subscribe to SNS Topic

Step 5: Send a notification to all the stakeholder, if AWS resource pricing reaches the threshold value.

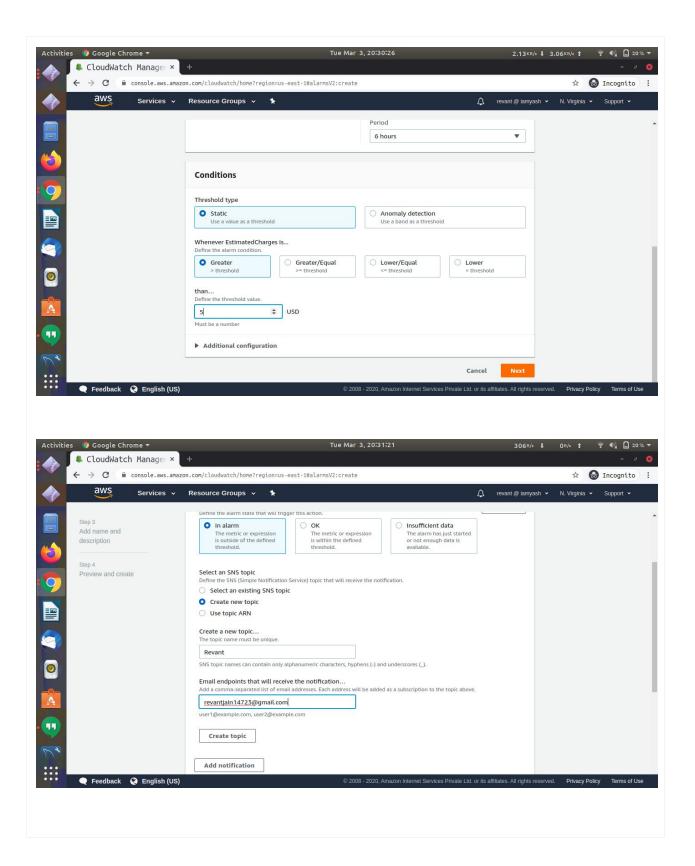
Create Alarm

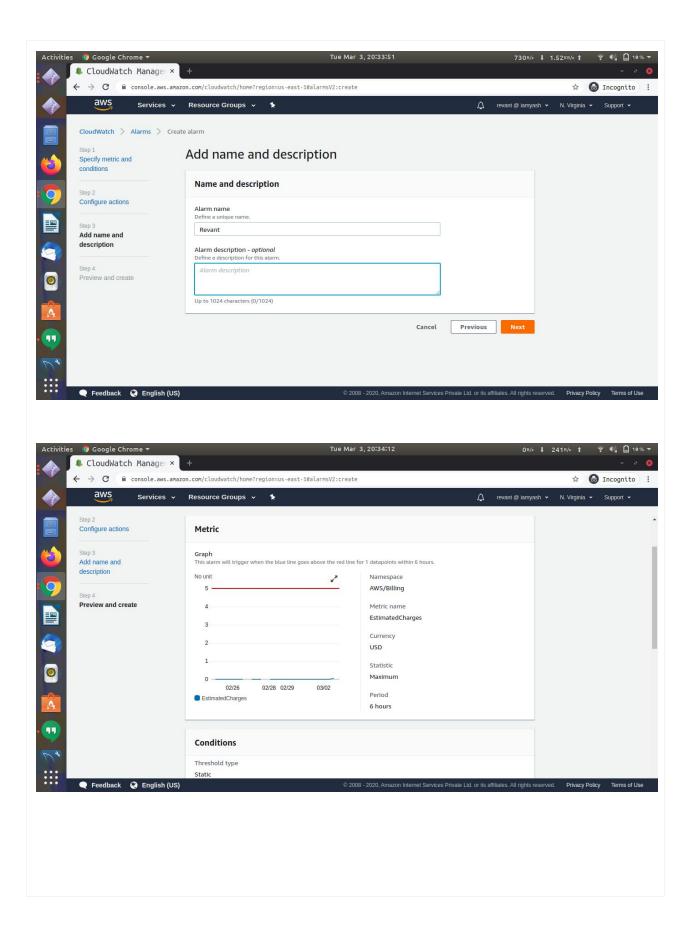






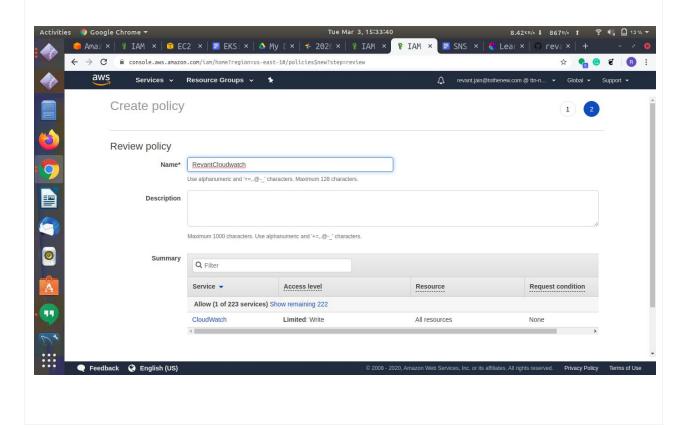
If alarm is greater than 5 USD generate alarm

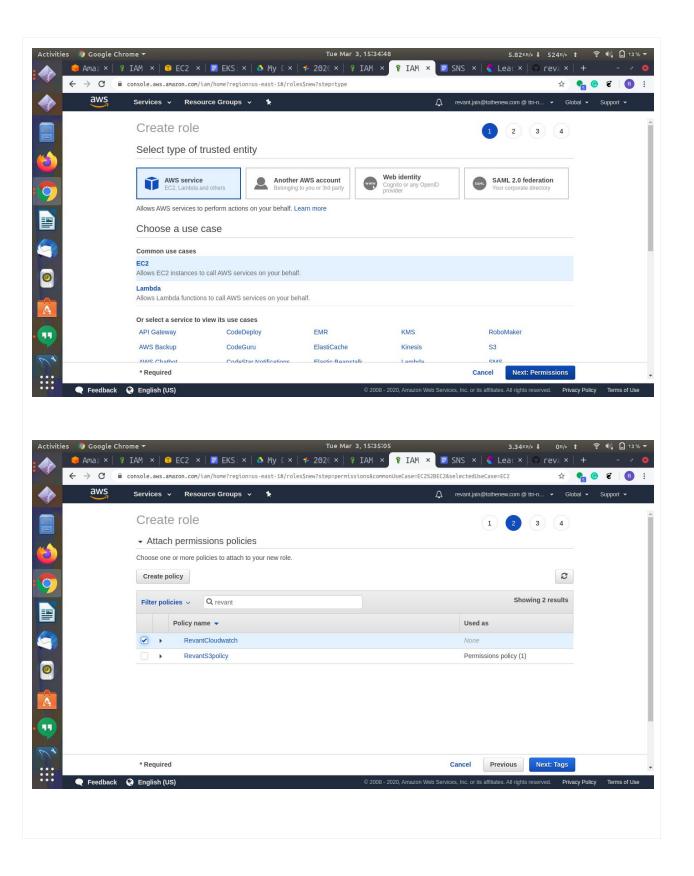


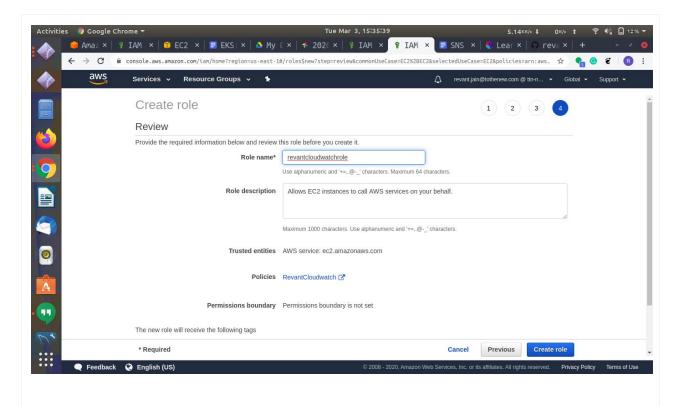


2. Create a custom Memory metric in CloudWatch and set up an alarm at 80 % which will autoscale the instance in the autoscaling group.

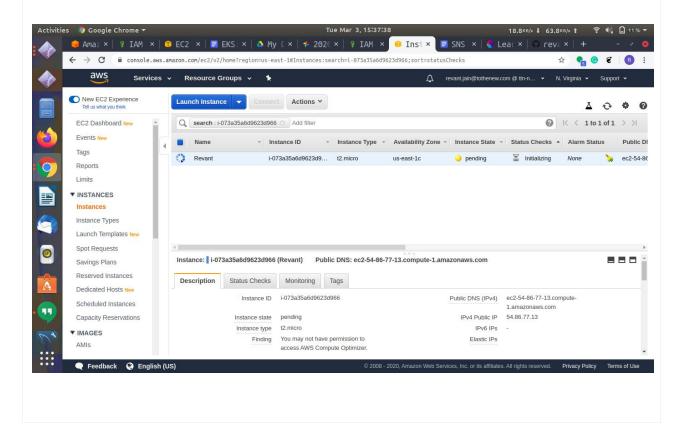
First create a policy for Cloudwatch metric







Then create an Ec2 instance



SSh into that particular instance and create a metric of memory

Giving a cron that will run that particular script every minute

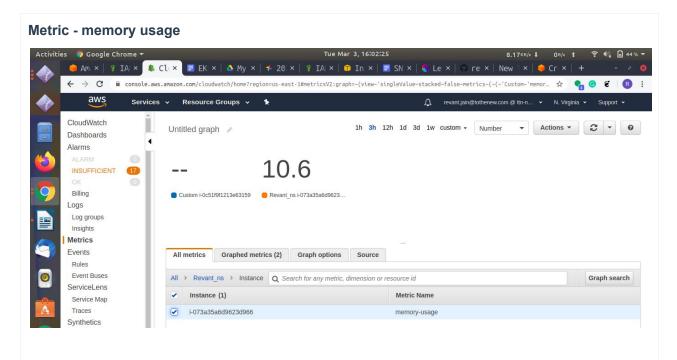
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# Output of the crontab jobs (including errors) is sent through
# email to the user the crontab file belongs to (unless redirected).

# For example, you can run a backup of all your user accounts
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/

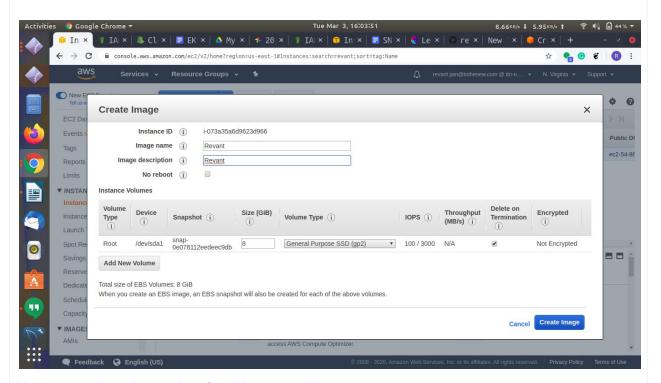
# For more information see the manual pages of crontab(5) and cron(8)

# m h dom mon dow command
*/1 * * * * /home/ubuntu/mem.sh
::: "/tmp/crontab.J1Bbwu/crontab" 23L, 920C 3,1 All
```

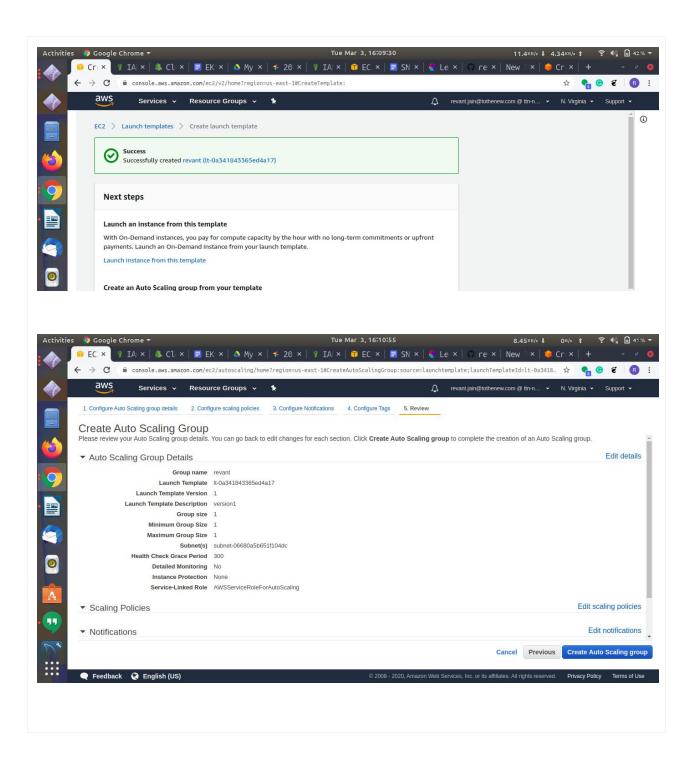
Namespace -revantns

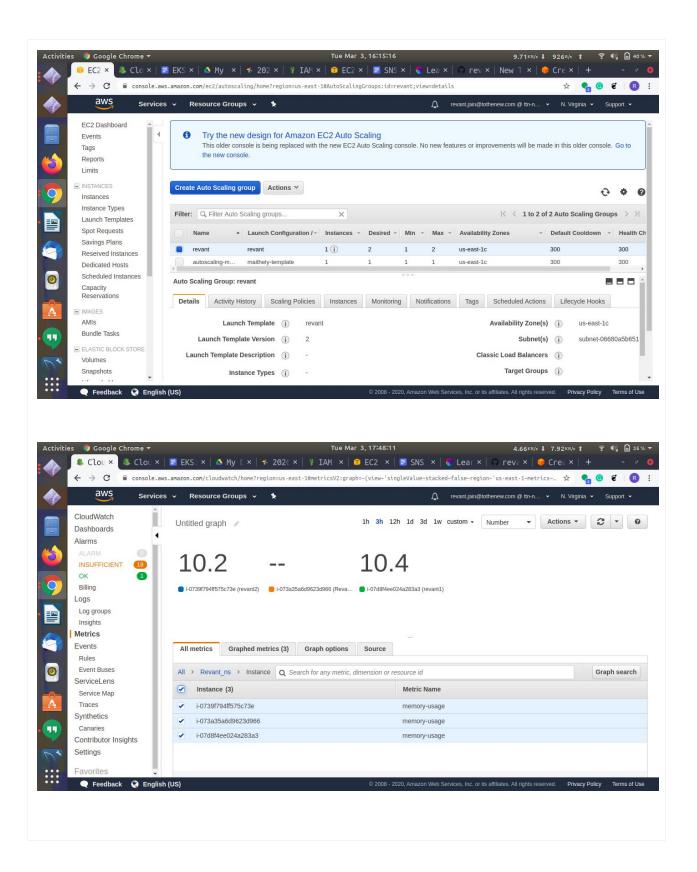


Now create ami of this instance and use it in autoscaling group

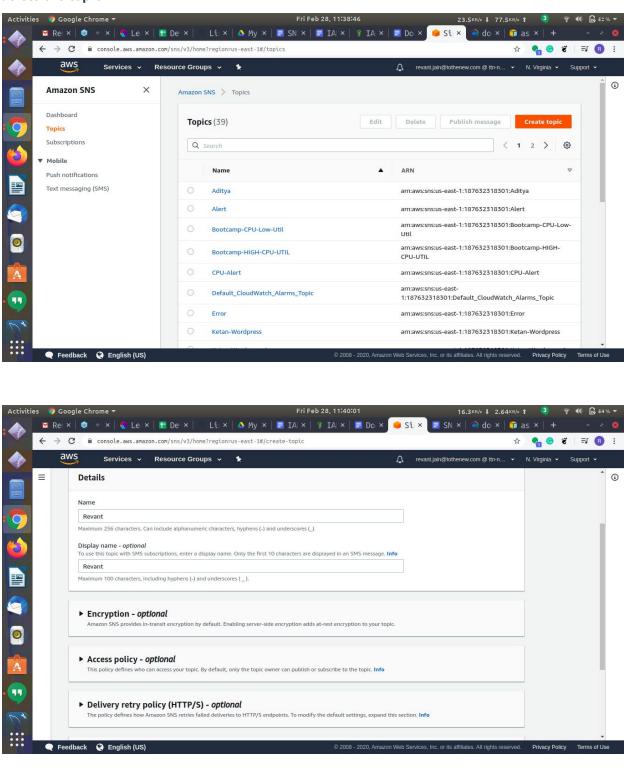


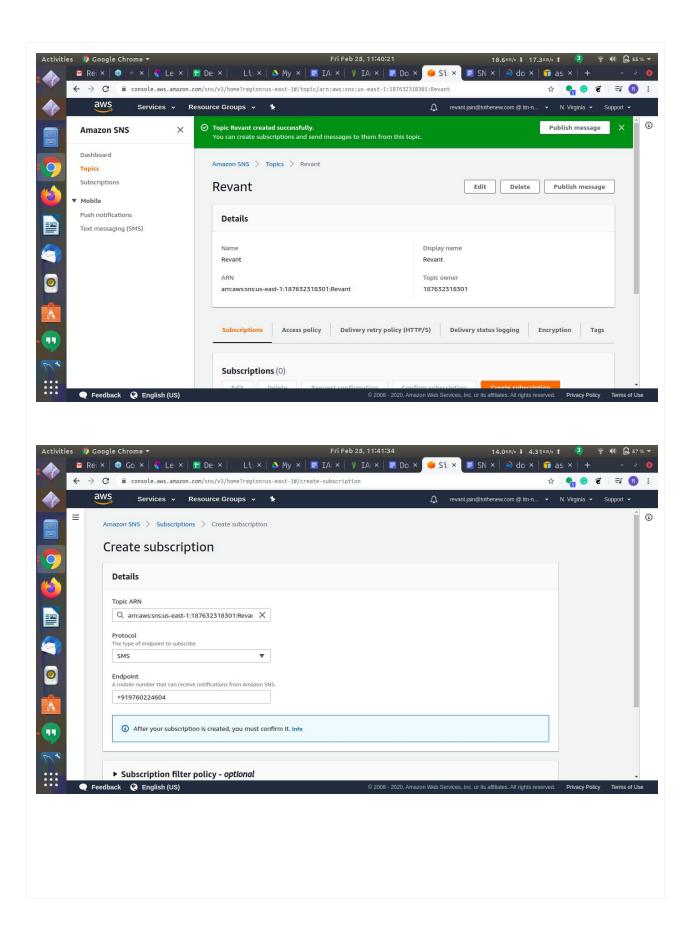
Now create launch template for this autoscaling group

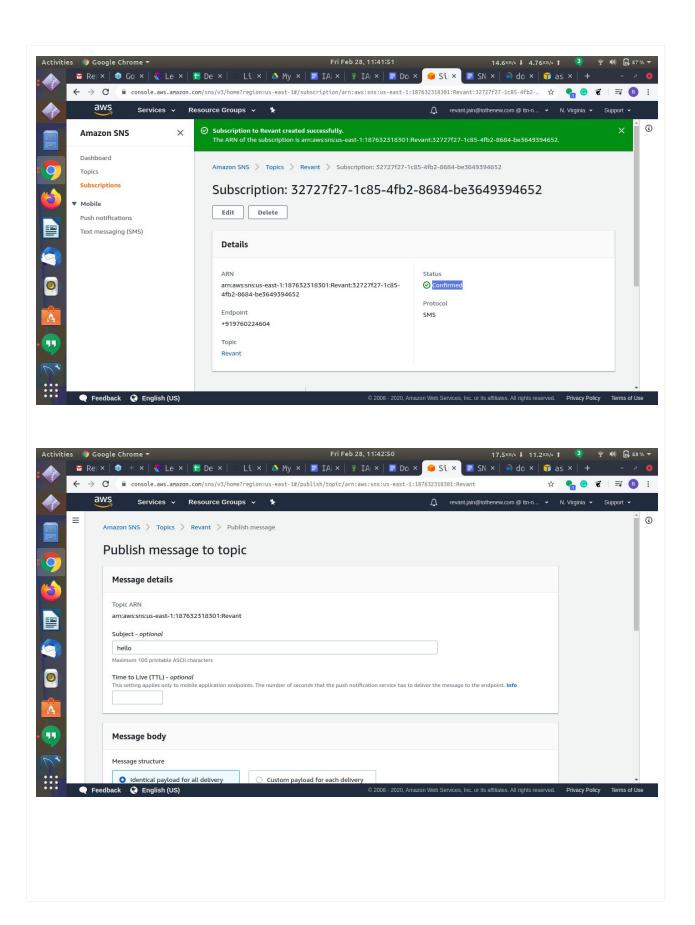




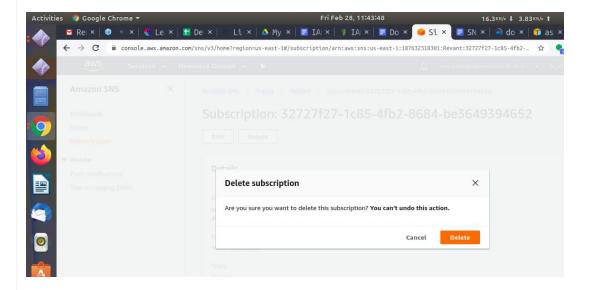
3. Create SNS topic, subscribe to a topic, publish message, unsubscribe the message and delete the topic



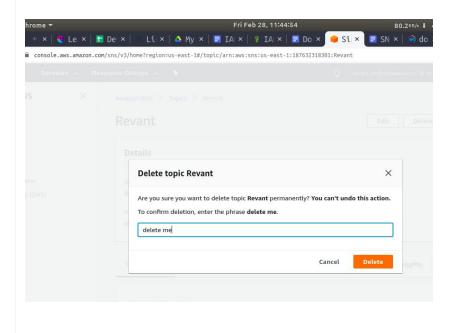




Unsubscribe the topic



Delete the topic



4. Send a sample mail using SES.

