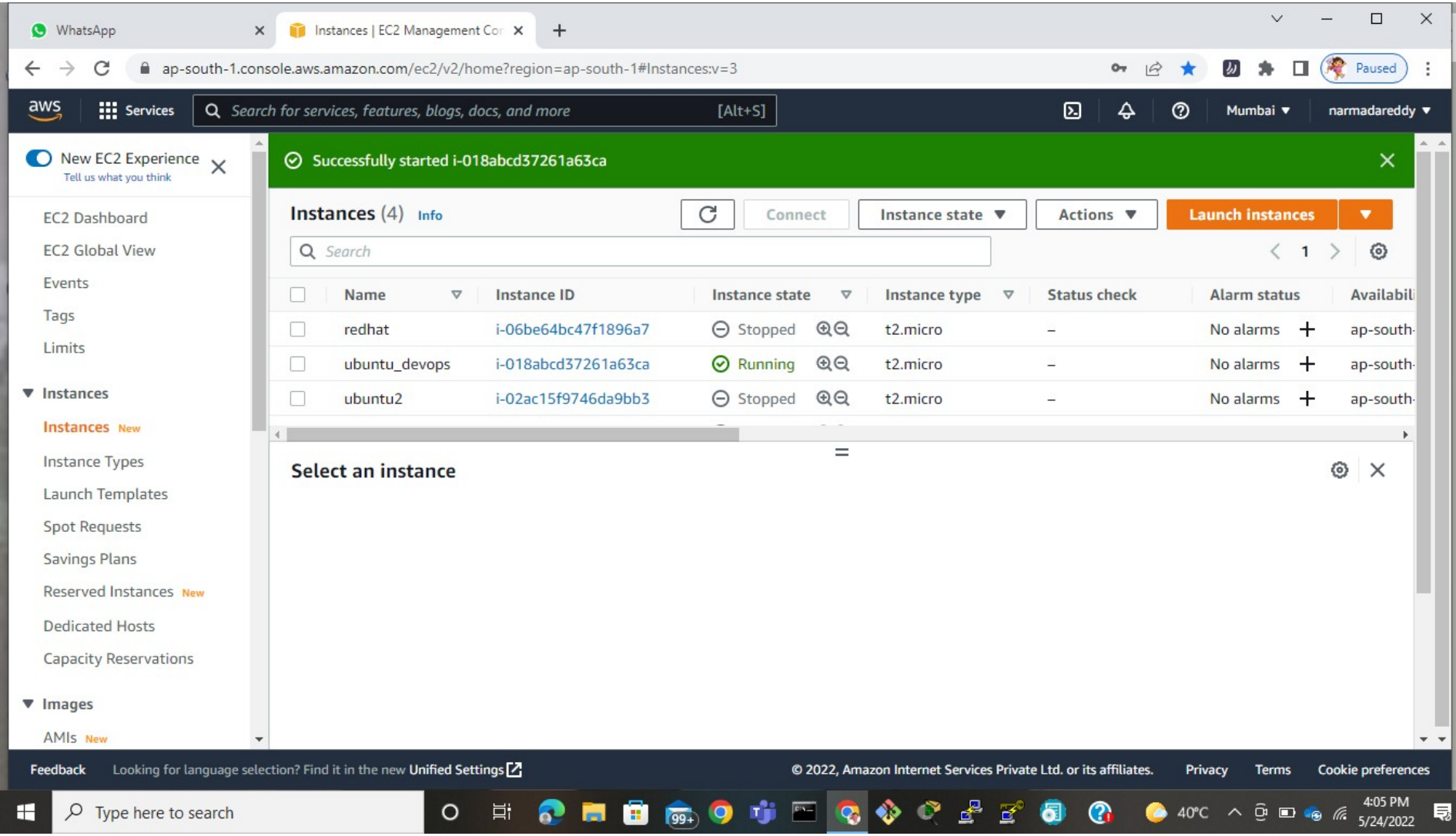
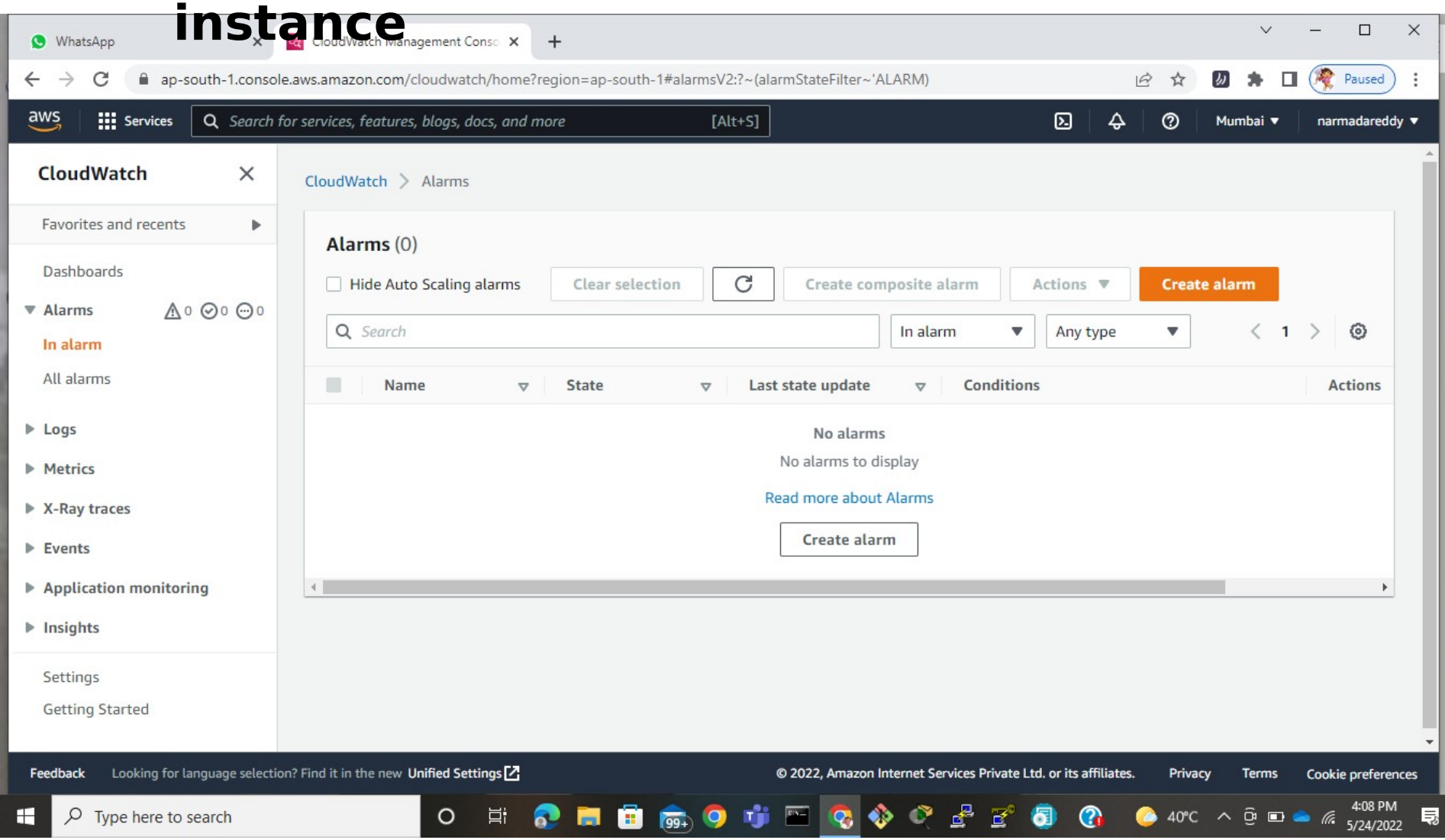
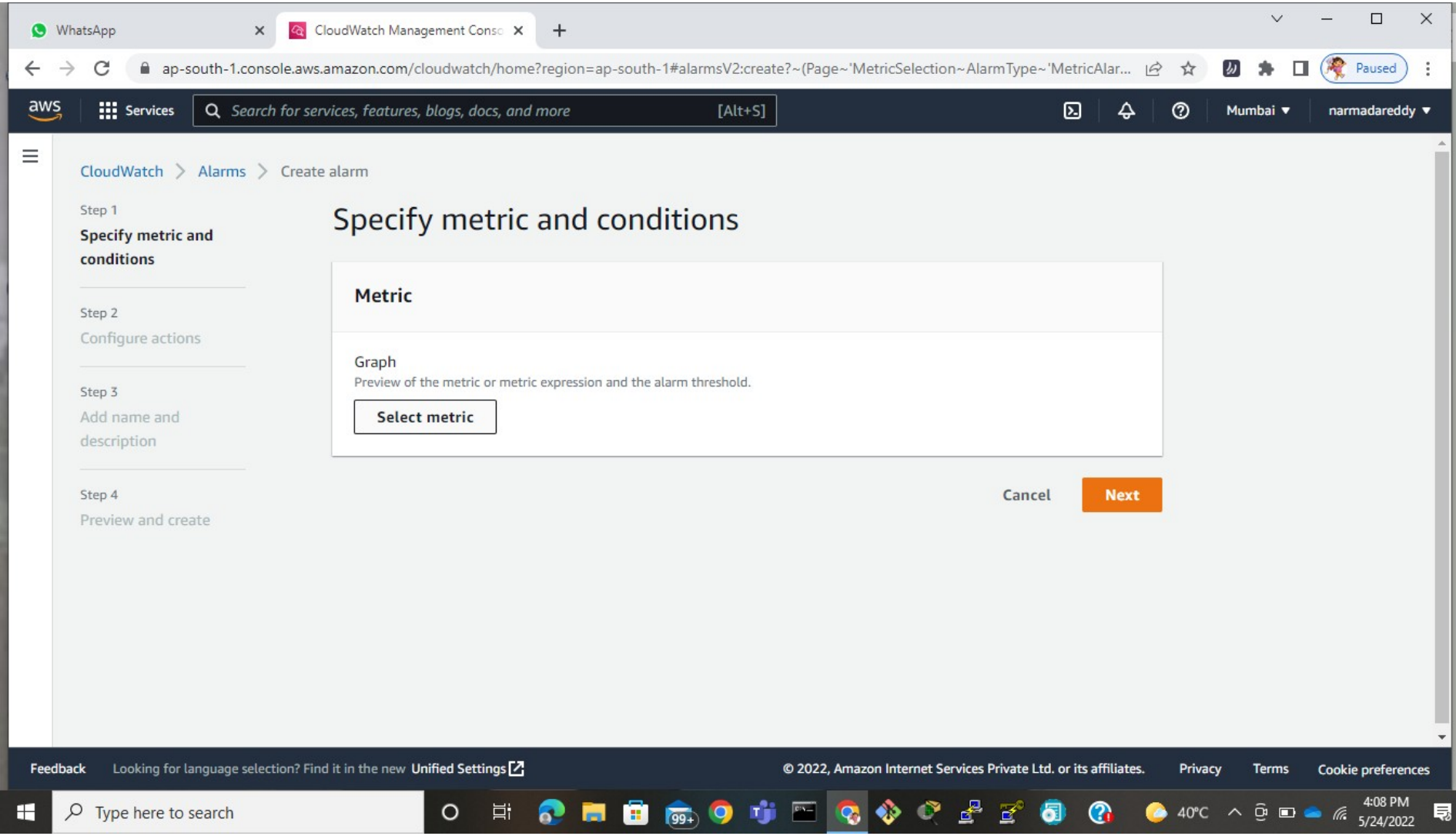
*Select EC2 instance



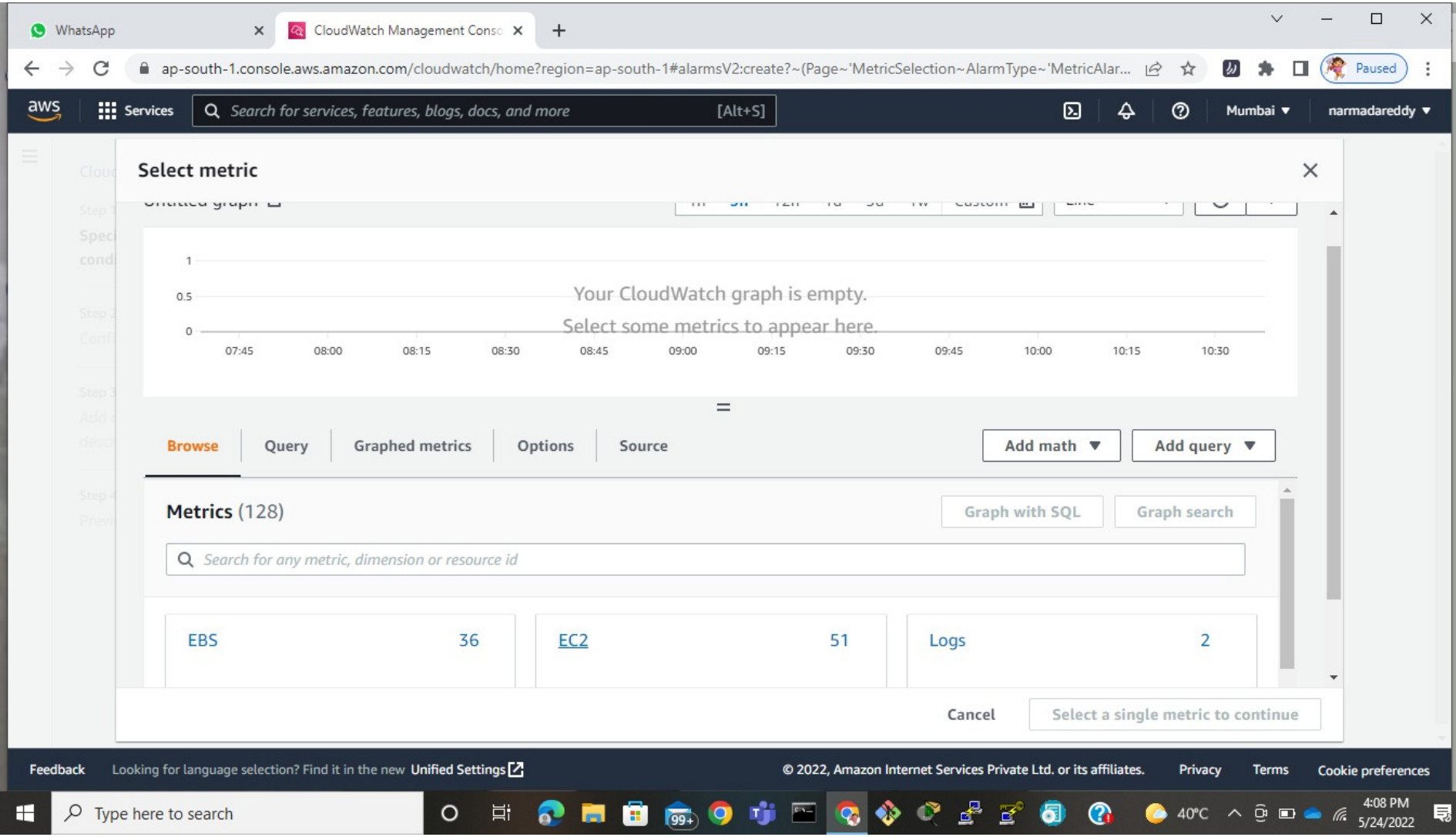
Select cloud watch service:- monitor your EC2 instance



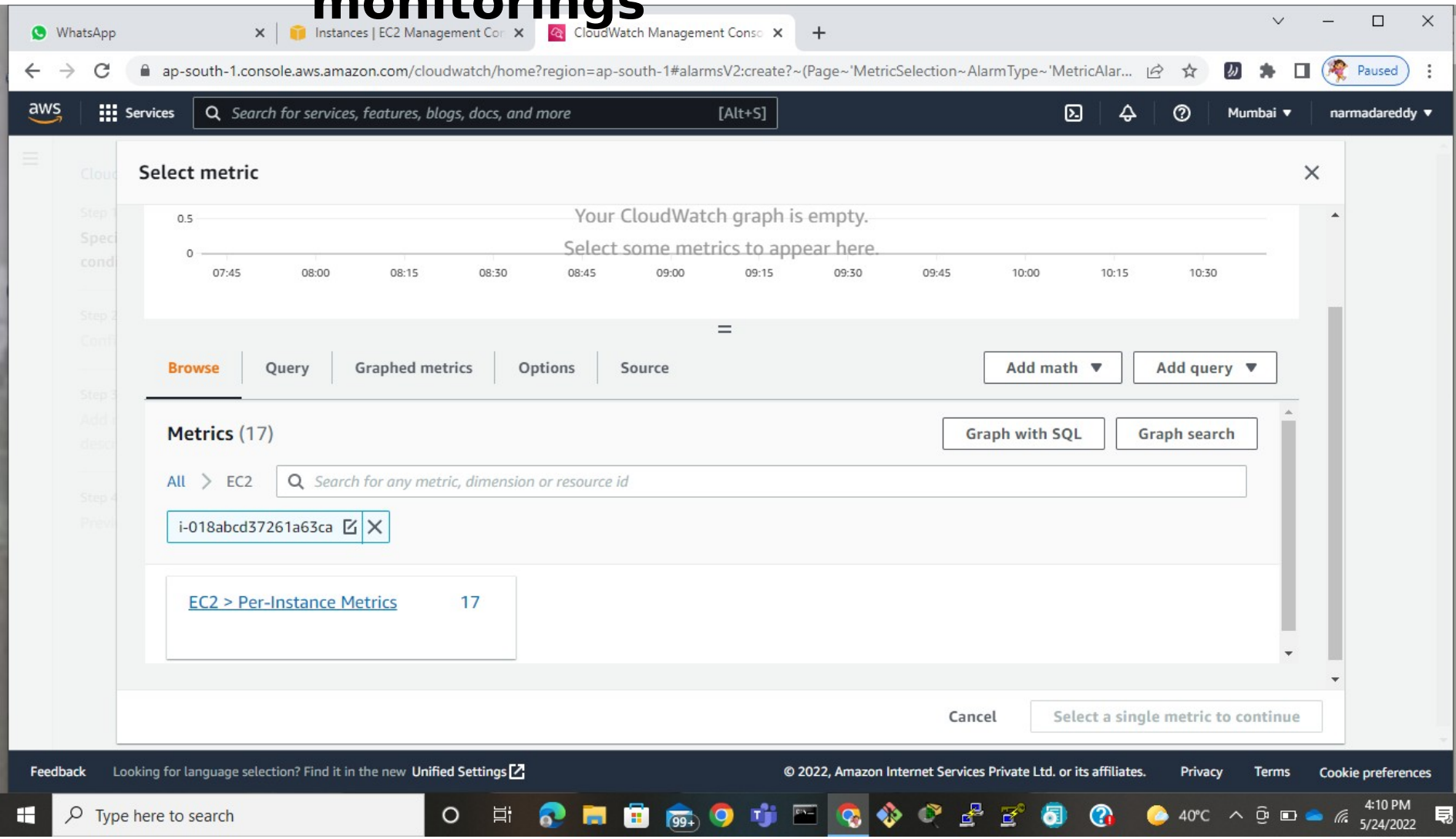
reate alarm for your EC2 instance:-Monitoring



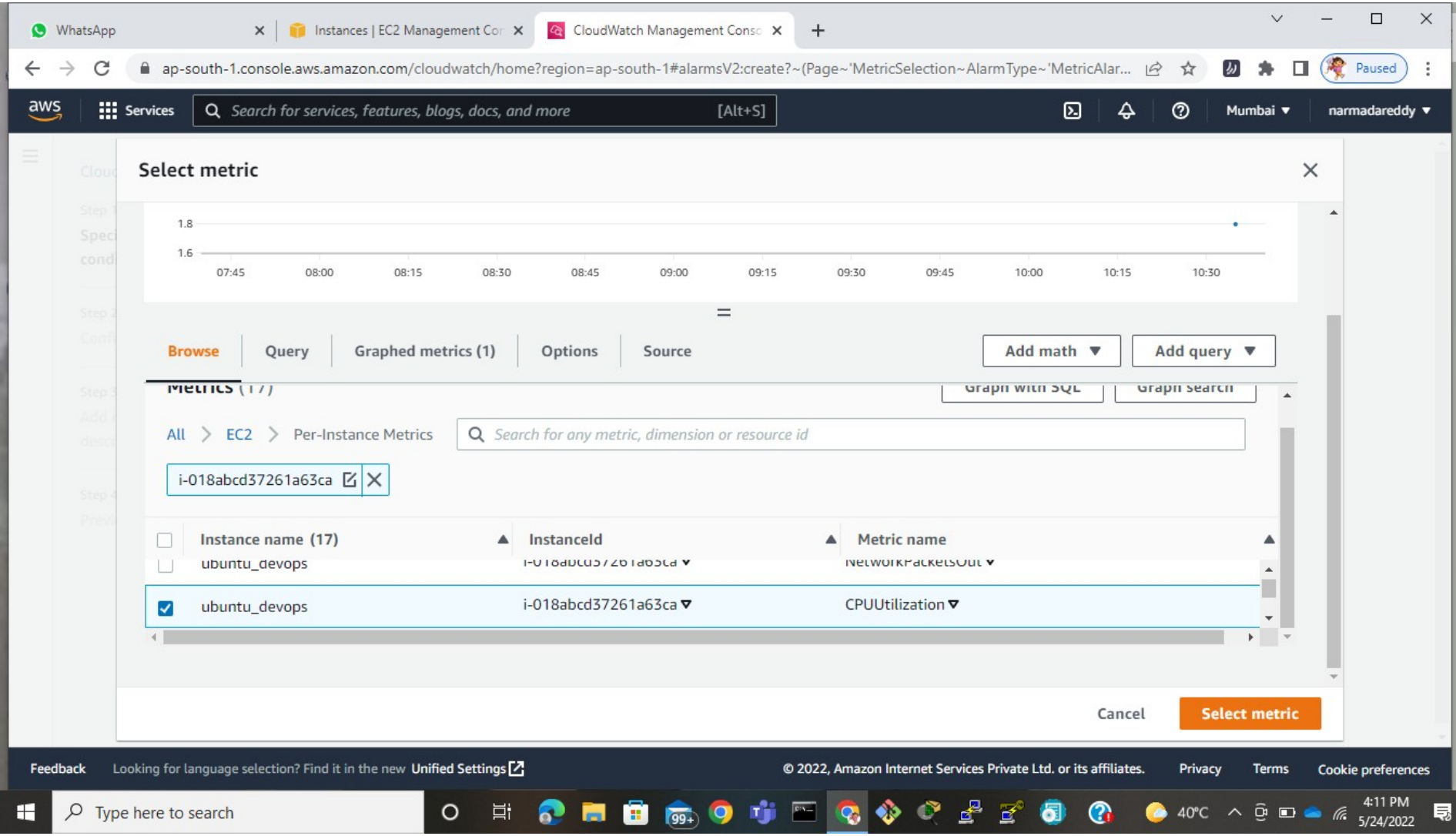
Select matric:-EC2



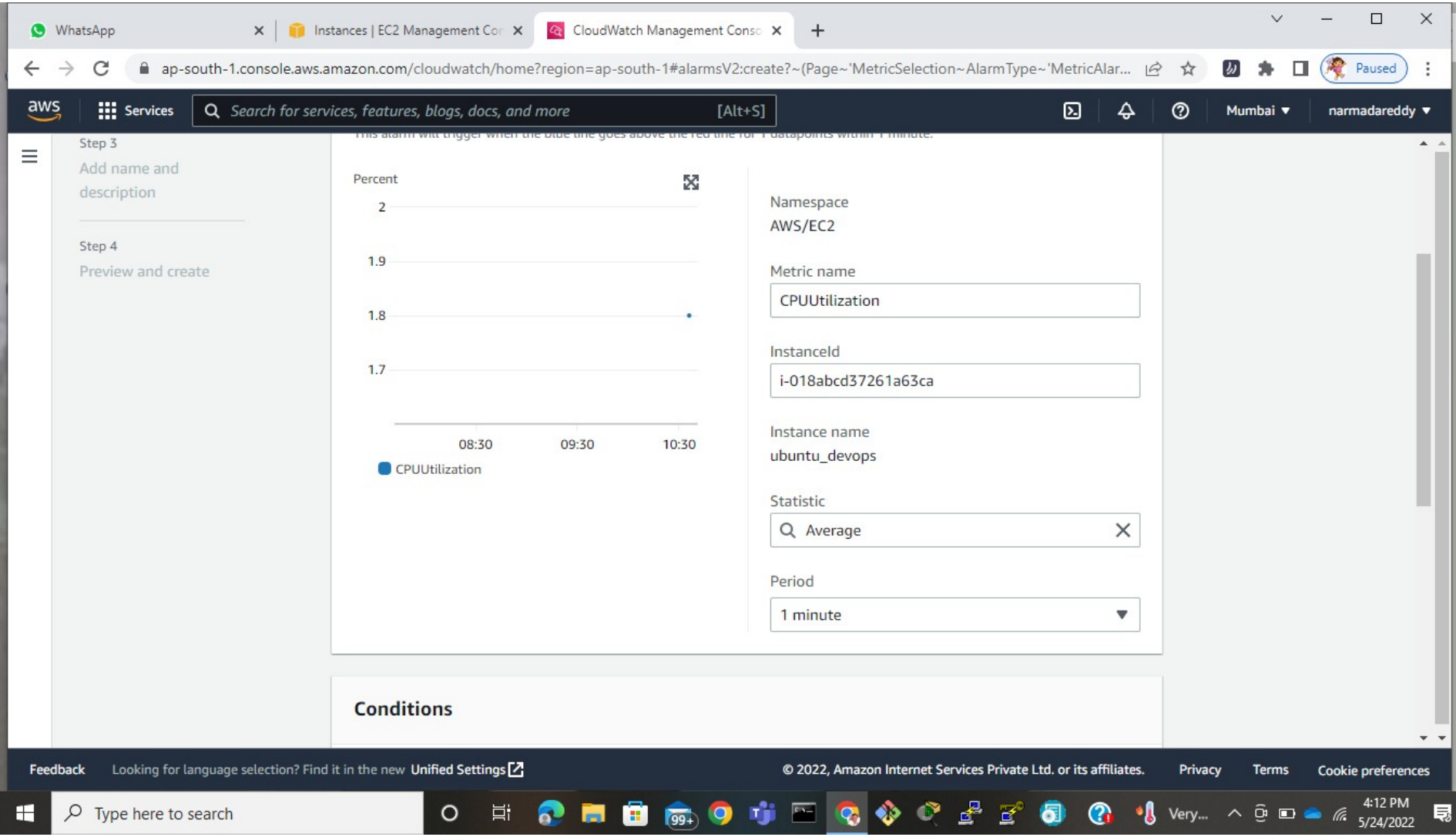
EC2matric:-it has 17 monitorings



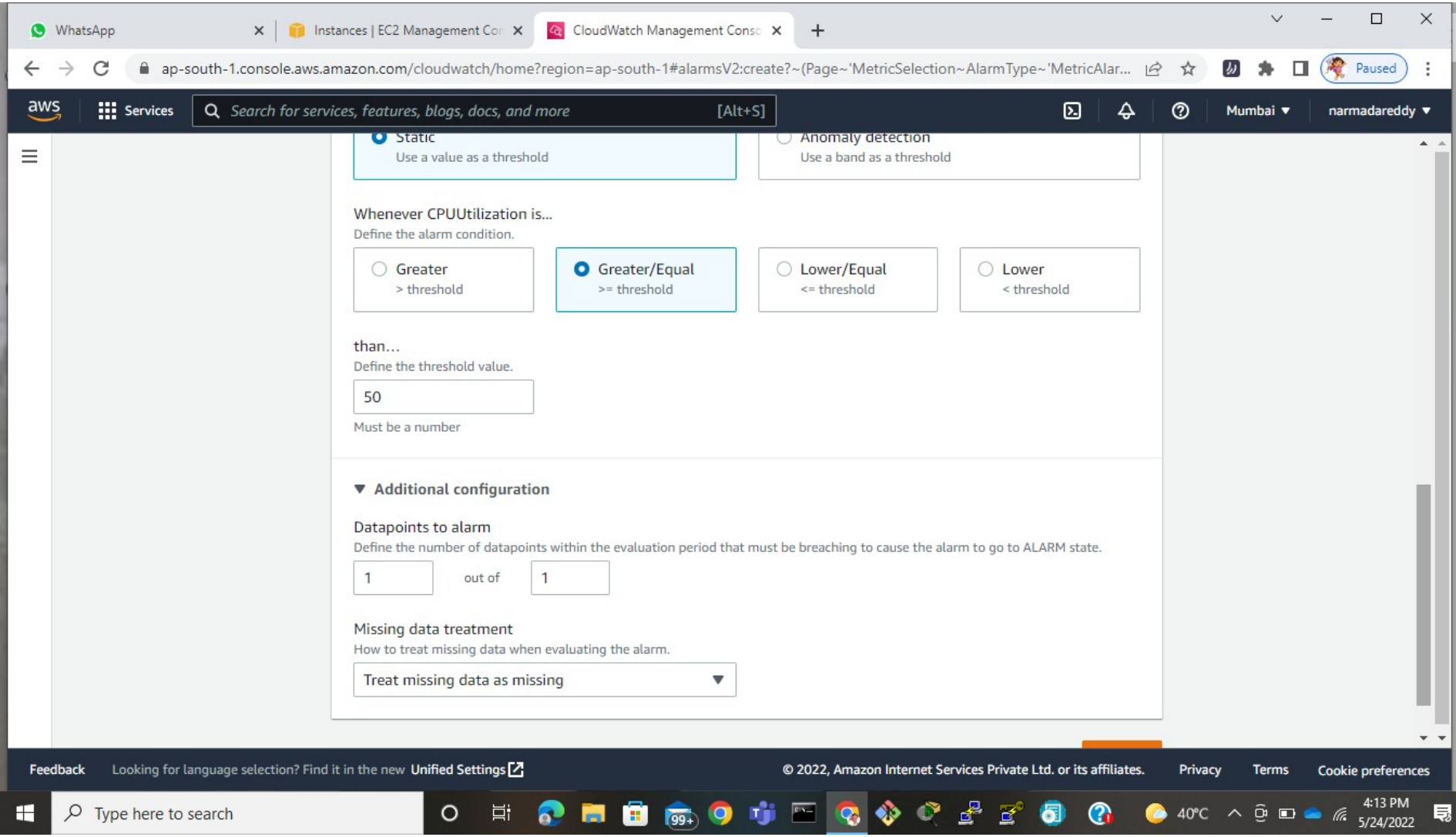
Select Ec2:-CPU Utilization matric



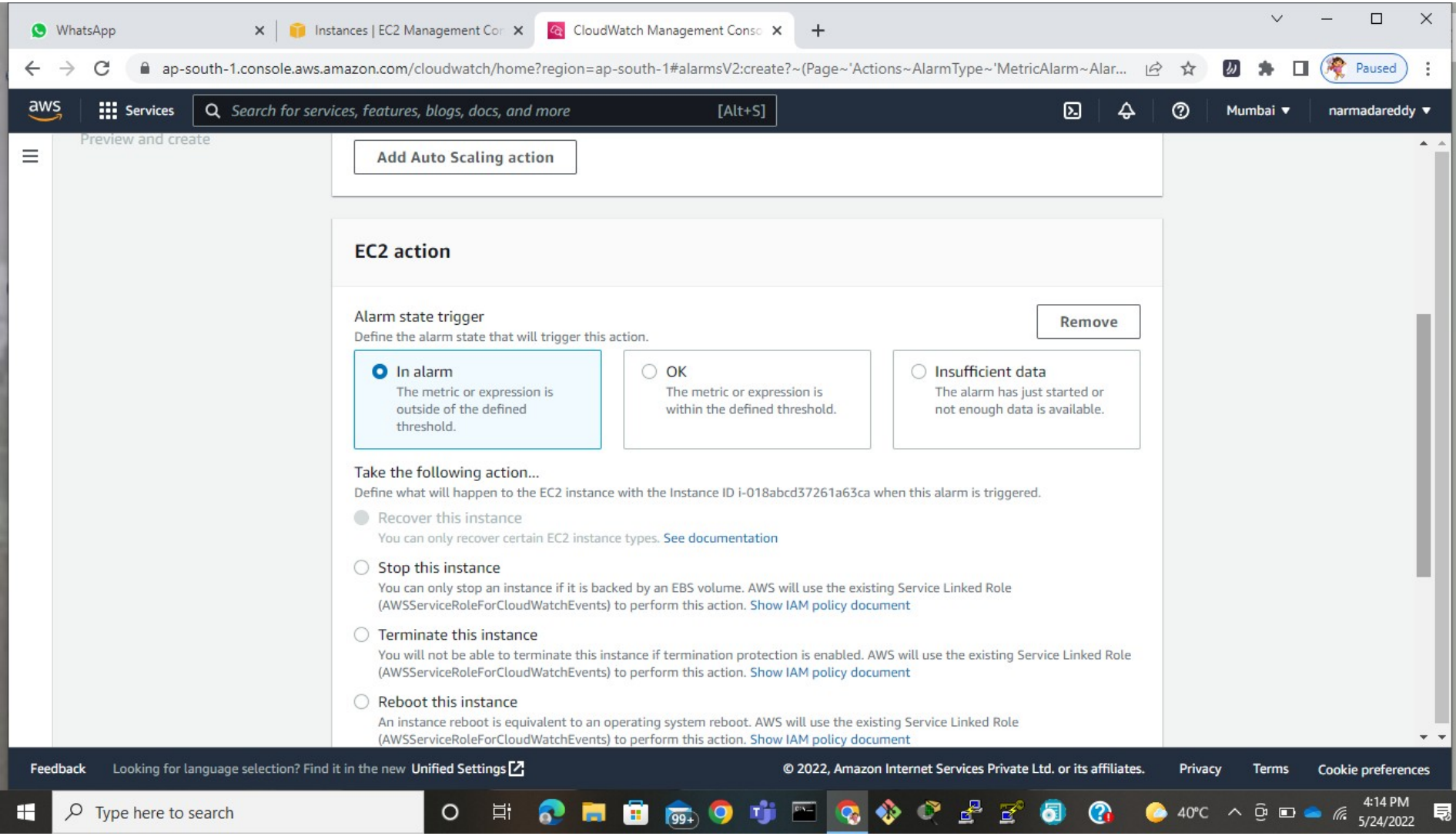
Step1:-in alarm create monitor per minute



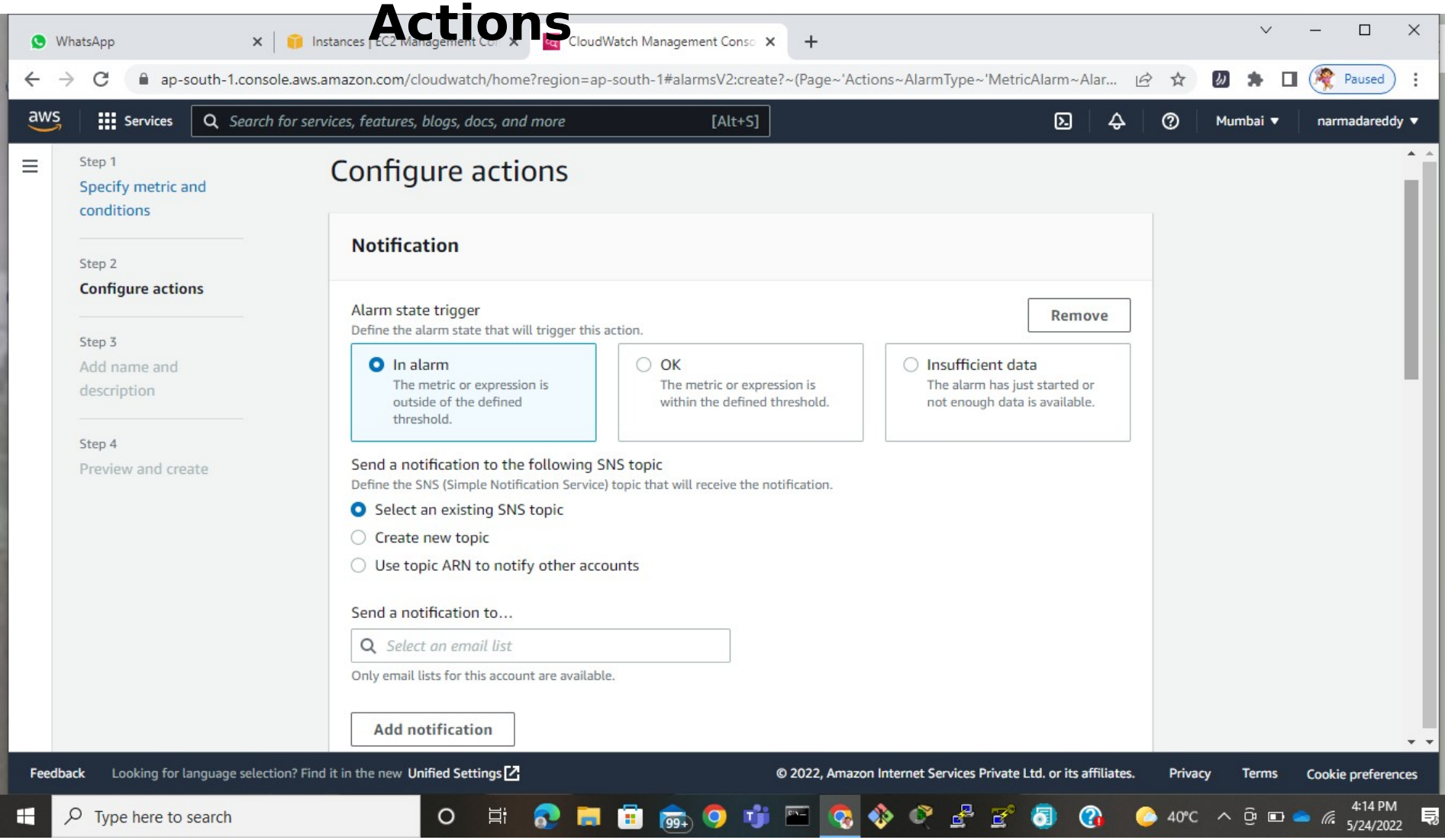
Step2:-select Cpu utilization limit



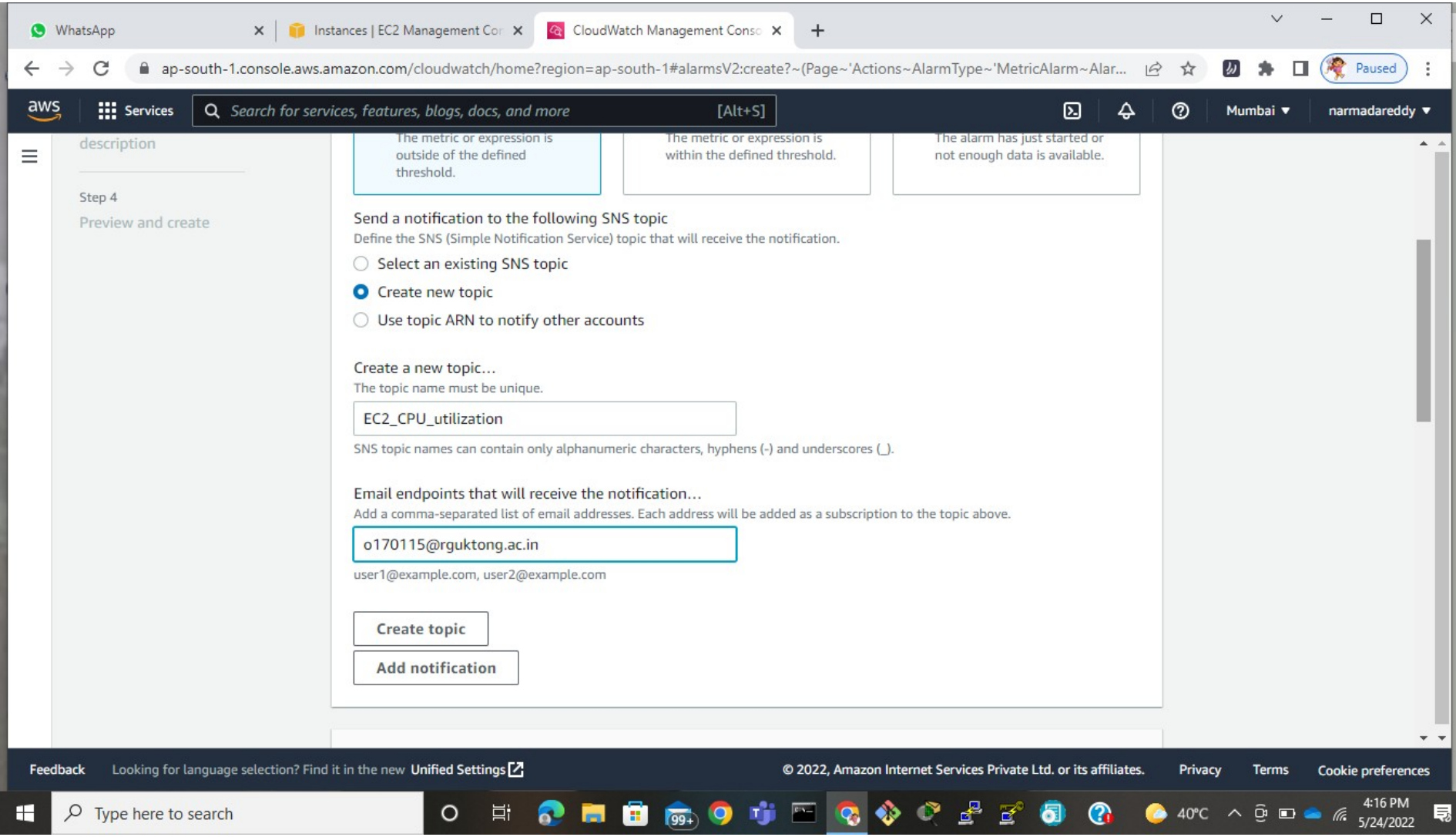
Check EC2 Actions



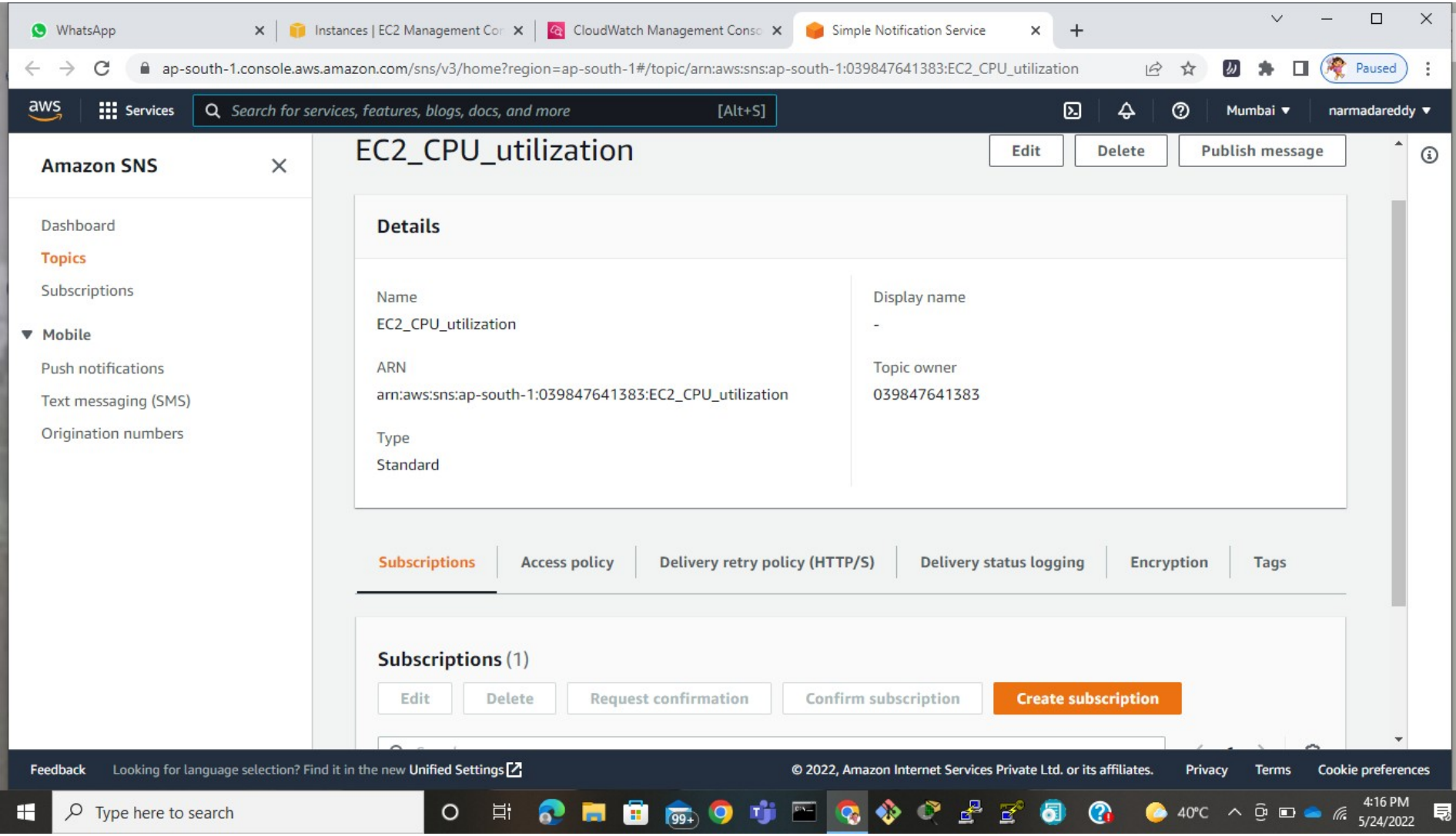
Step2:-Configure Actions



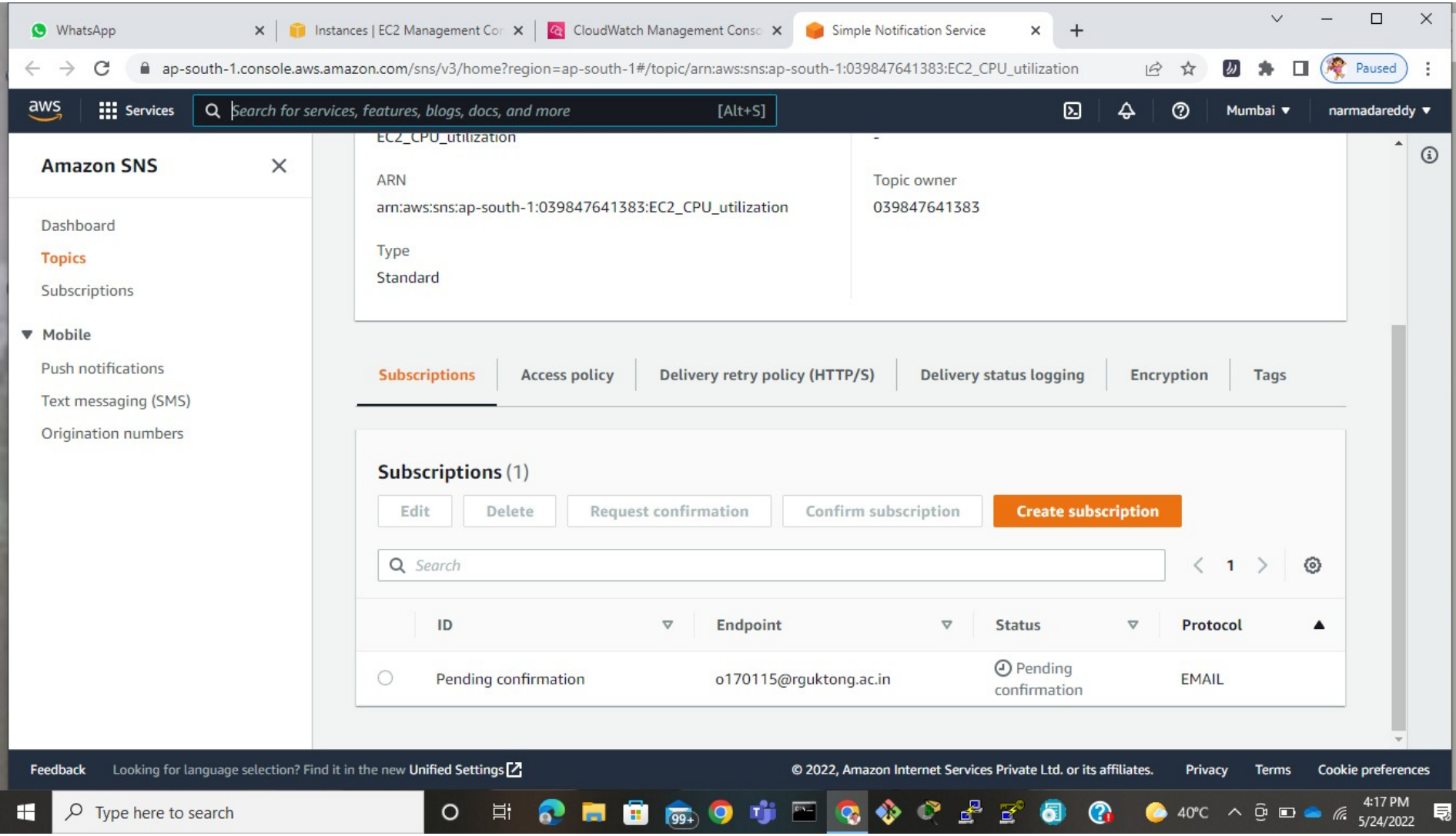
Create SNS(simple notification service)



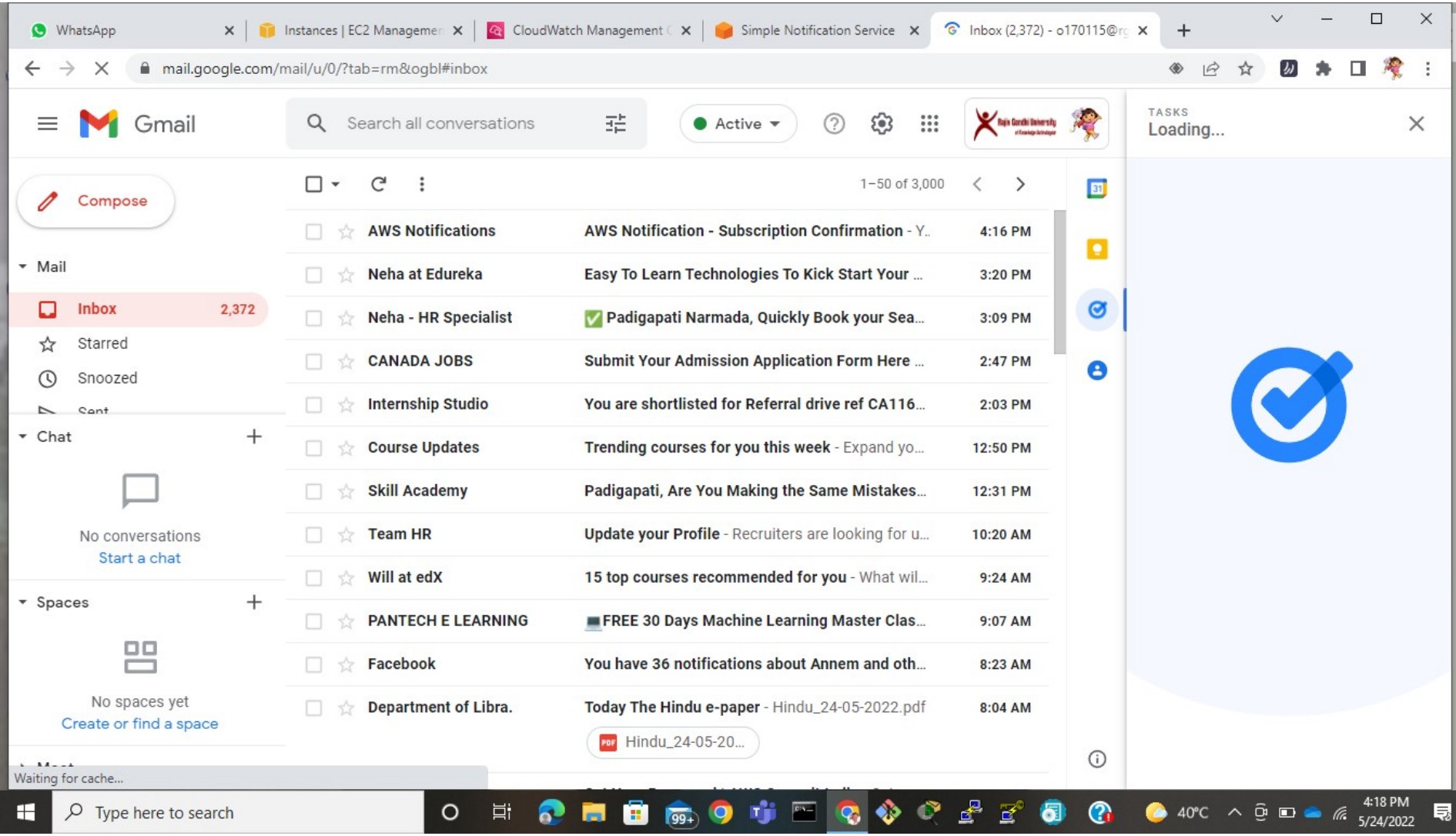
Here You need Mail confirmation

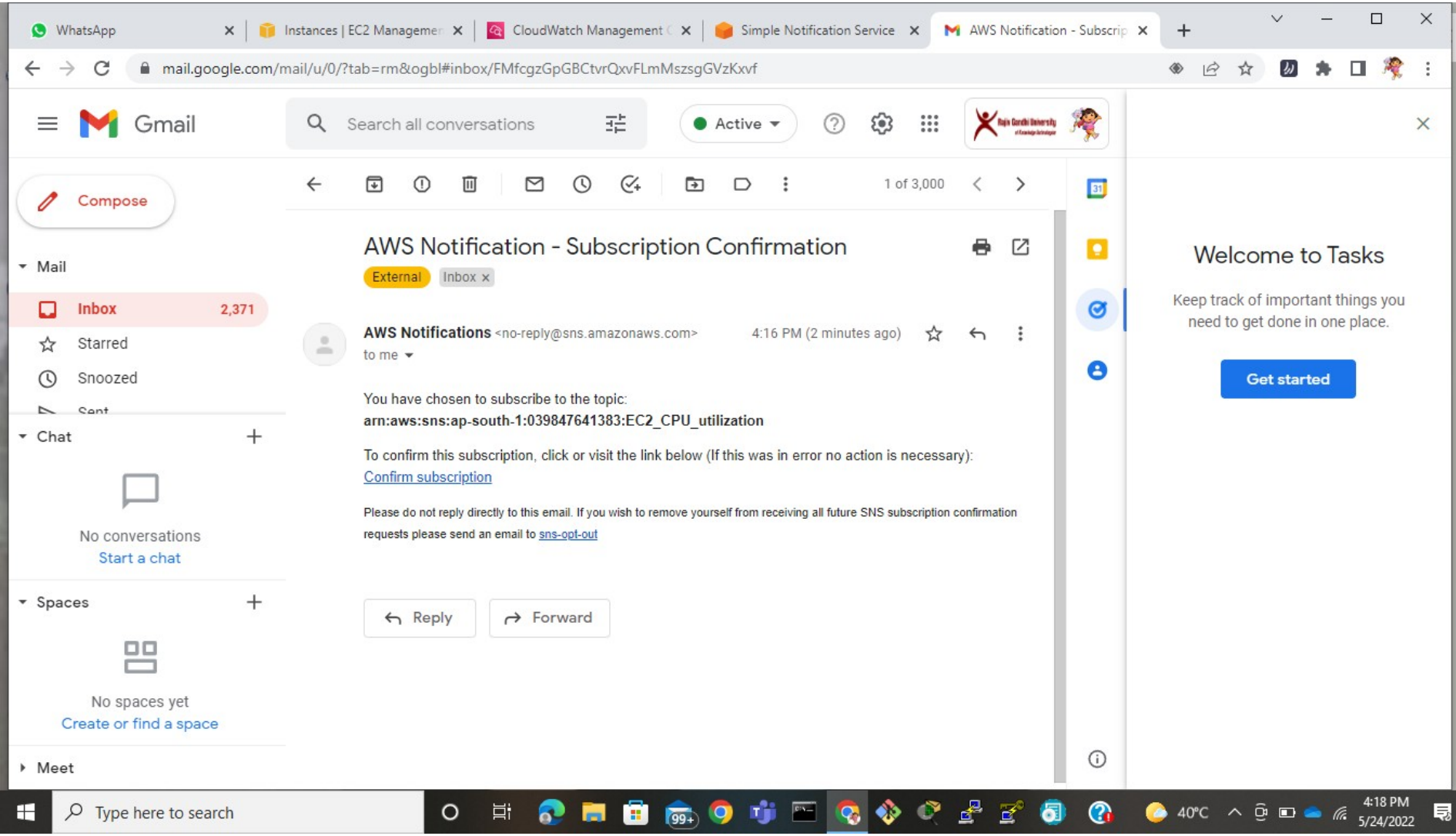


Mail confirmation is pending:-check your mail

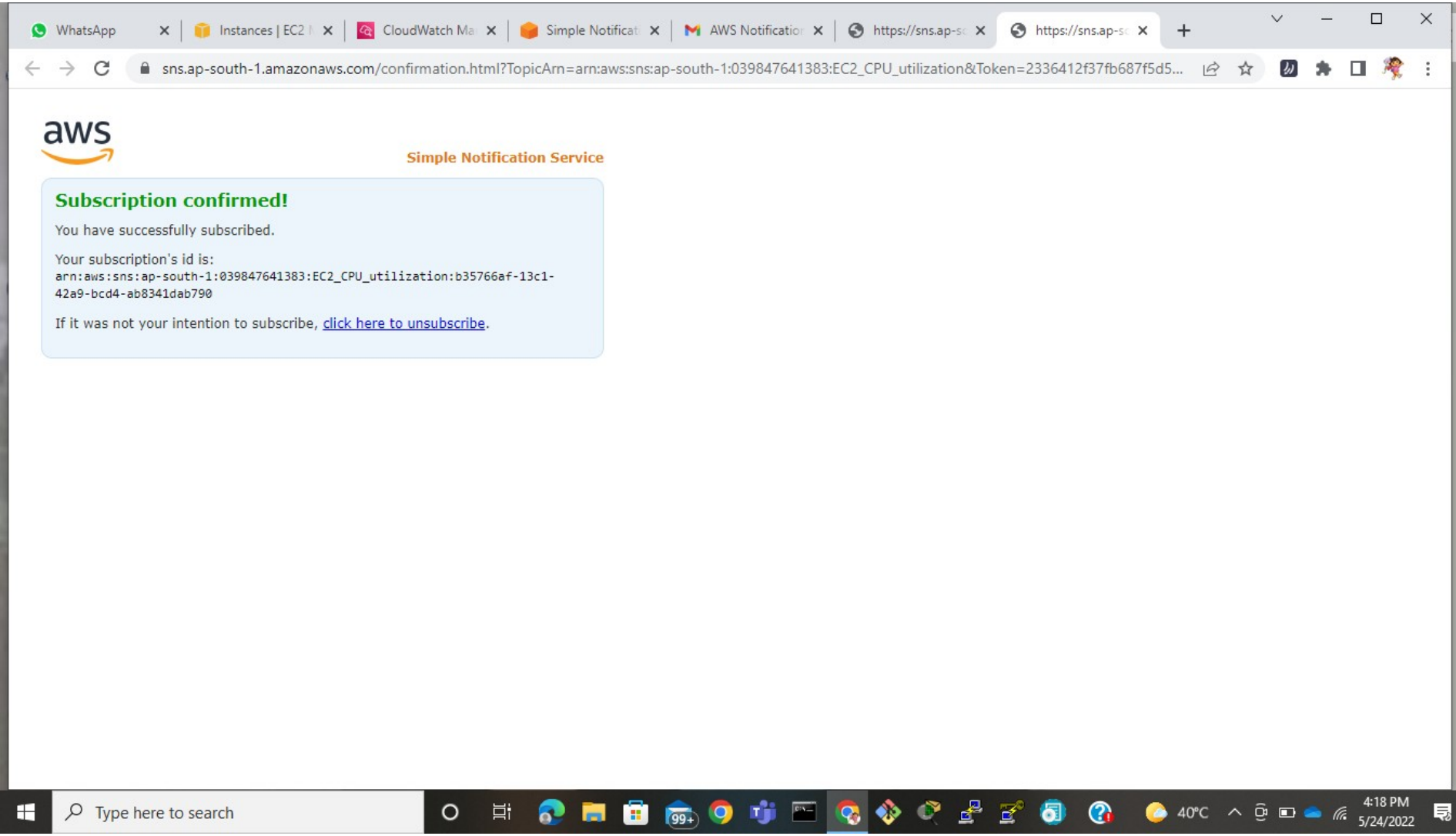


Aws notifictions

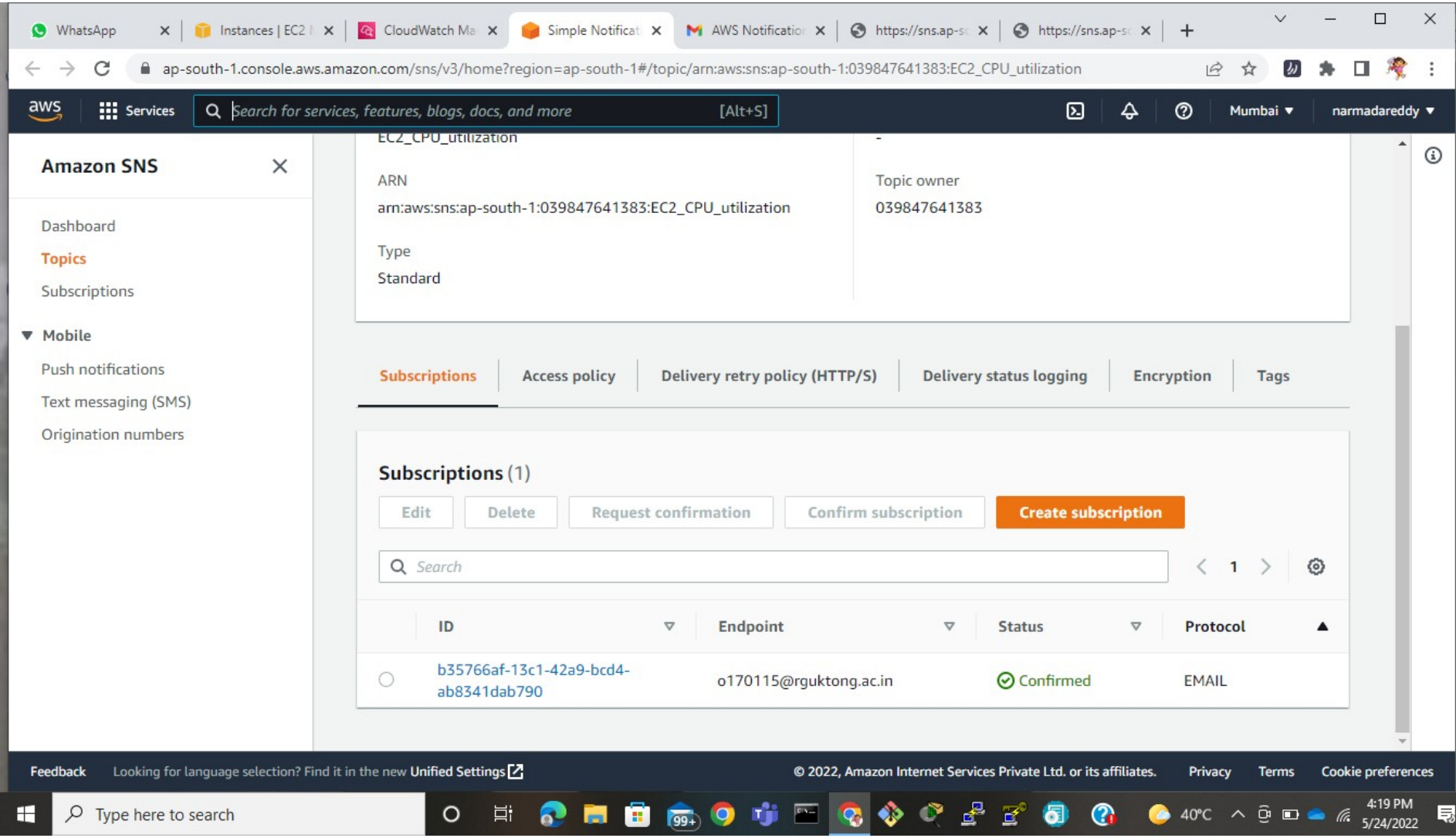



WhatsApp
Instances | EC2 Manageme
CloudWatch Management
Simple Notification Service
AWS Notification - Subscrip
mail.google.com/mail/u/0/?tab=rm&ogbl#inbox/FMfcgzGpGBCtvrQxvFLmMszsgGVzKxvf
Gmail
Search all conversations
Active
Compose
Mail
Inbox 2,371
Starred
Snoozed
Chat
No conversations
Start a chat
Spaces
No spaces yet
Create or find a space
Meet
1 of 3,000
AWS Notification - Subscription Confirmation
External
Inbox ×
AWS Notifications <no-reply@sns.amazonaws.com>
4:16 PM (2 minutes ago)
to me
You have chosen to subscribe to the topic:
arn:aws:sns:ap-south-1:039847641383:EC2_CPU_utilization
To confirm this subscription, click or visit the link below (If this was in error no action is necessary):
Confirm subscription
Please do not reply directly to this email. If you wish to remove yourself from receiving all future SNS subscription confirmation requests please send an email to sns-opt-out
Reply
Forward
Welcome to Tasks
Keep track of important things you need to get done in one place.
Get started
Type here to search
40°C
4:18 PM
5/24/2022

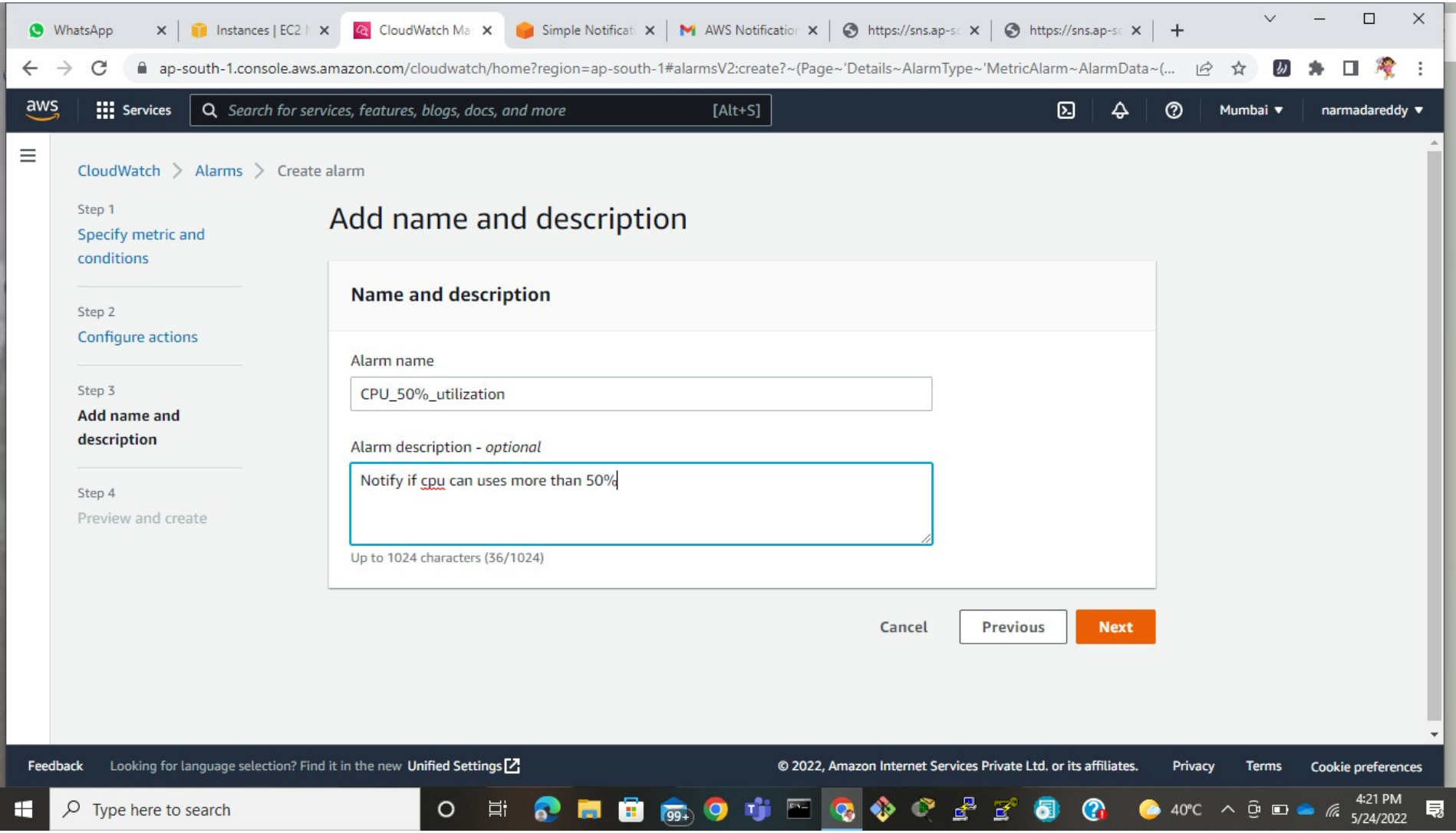
Confirm Subscription



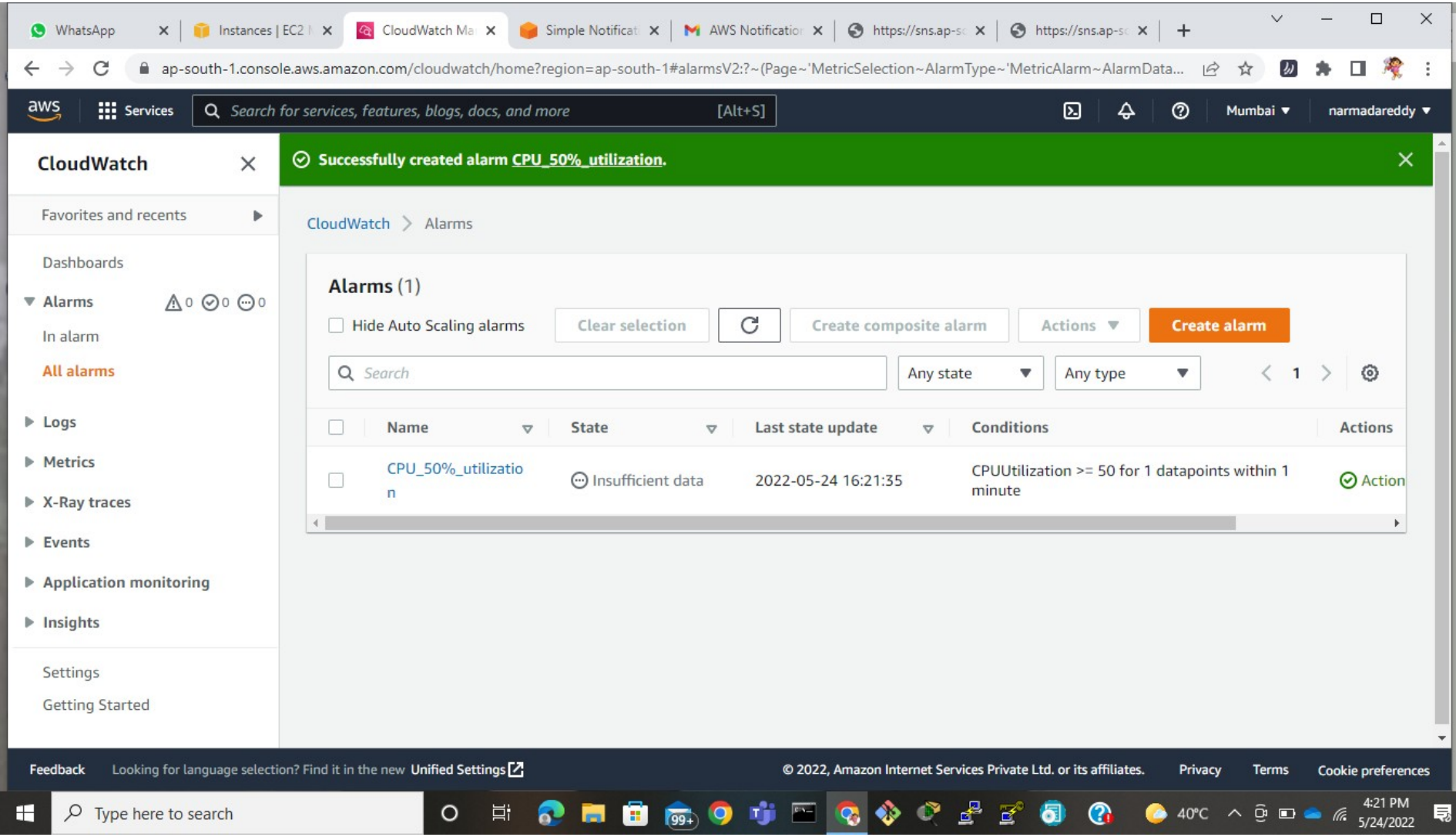
confirmed


WhatsApp
Instances | EC2
CloudWatch
Simple Notificat
AWS Notificatio
https://sns.ap-s
https://sns.ap-s
ap-south-1.console.aws.amazon.com/sns/v3/home?region=ap-south-1#/topic/arn:aws:sns:ap-south-1:039847641383:EC2_CPU_utilization
aws
Services
Search for services, features, blogs, docs, and more
[Alt+S]
Mumbai
narmadareddy
Amazon SNS
Dashboard
Topics
Subscriptions
Mobile
Push notifications
Text messaging (SMS)
Origination numbers
EC2_CPU_utilization
ARN
arn:aws:sns:ap-south-1:039847641383:EC2_CPU_utilization
Type
Standard
Topic owner
039847641383
Subscriptions
Access policy
Delivery retry policy (HTTP/S)
Delivery status logging
Encryption
Tags
Subscriptions (1)
Edit
Delete
Request confirmation
Confirm subscription
Create subscription
Search
1
ID
Endpoint
Status
Protocol
b35766af-13c1-42a9-bcd4-ab8341dab790
o170115@rguktong.ac.in
Confirmed
EMAIL
Feedback
Looking for language selection? Find it in the new Unified Settings
© 2022, Amazon Internet Services Private Ltd. or its affiliates.
Privacy
Terms
Cookie preferences
Type here to search
40°C
4:19 PM
5/24/2022

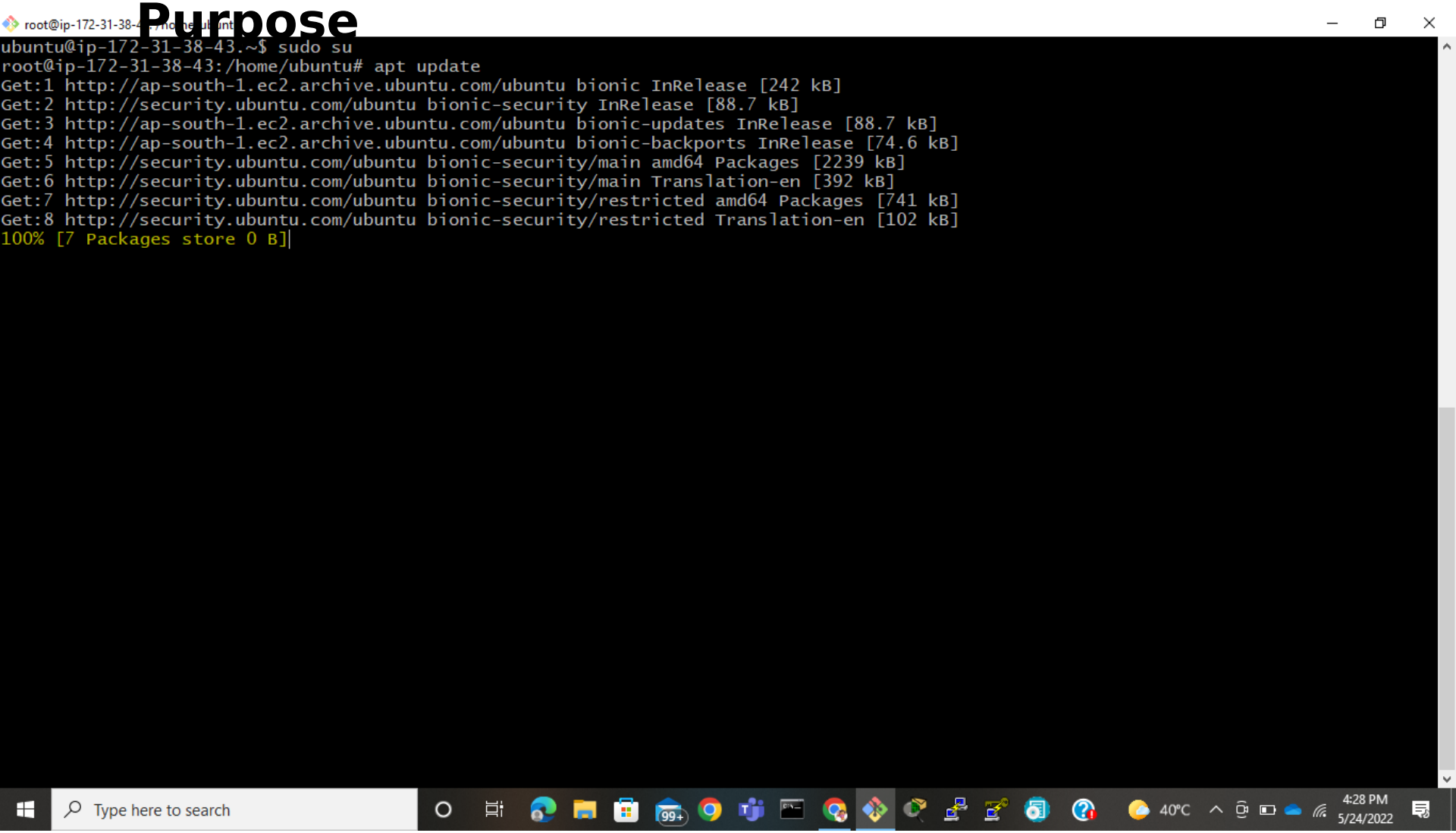
Step3:-Add name and Subscription to your alar



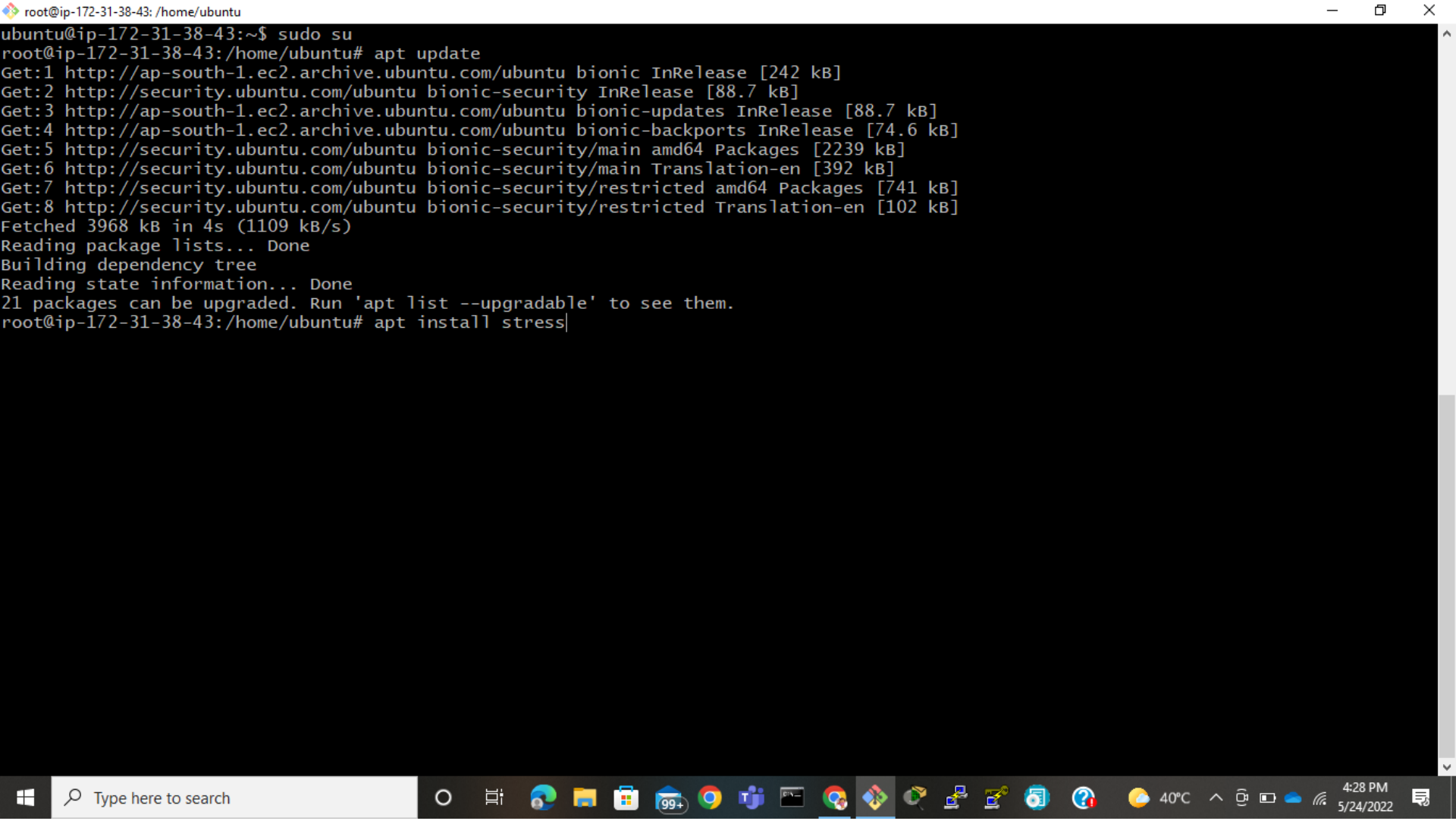
Create alarm



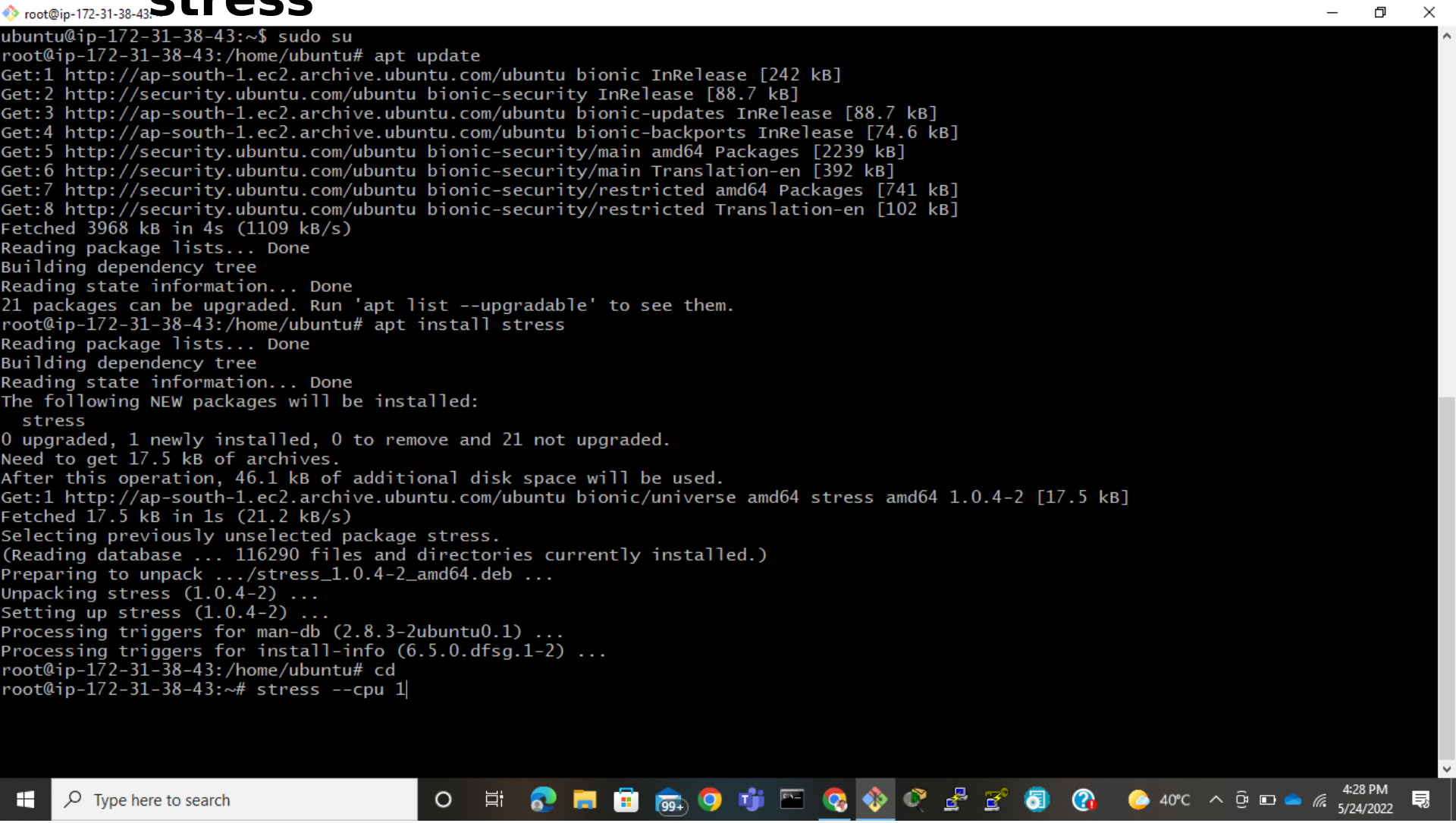
Connect to your EC2 instance:-CPU load increase Purpose



Update your ec2 instance
#apt update



#apt install stress

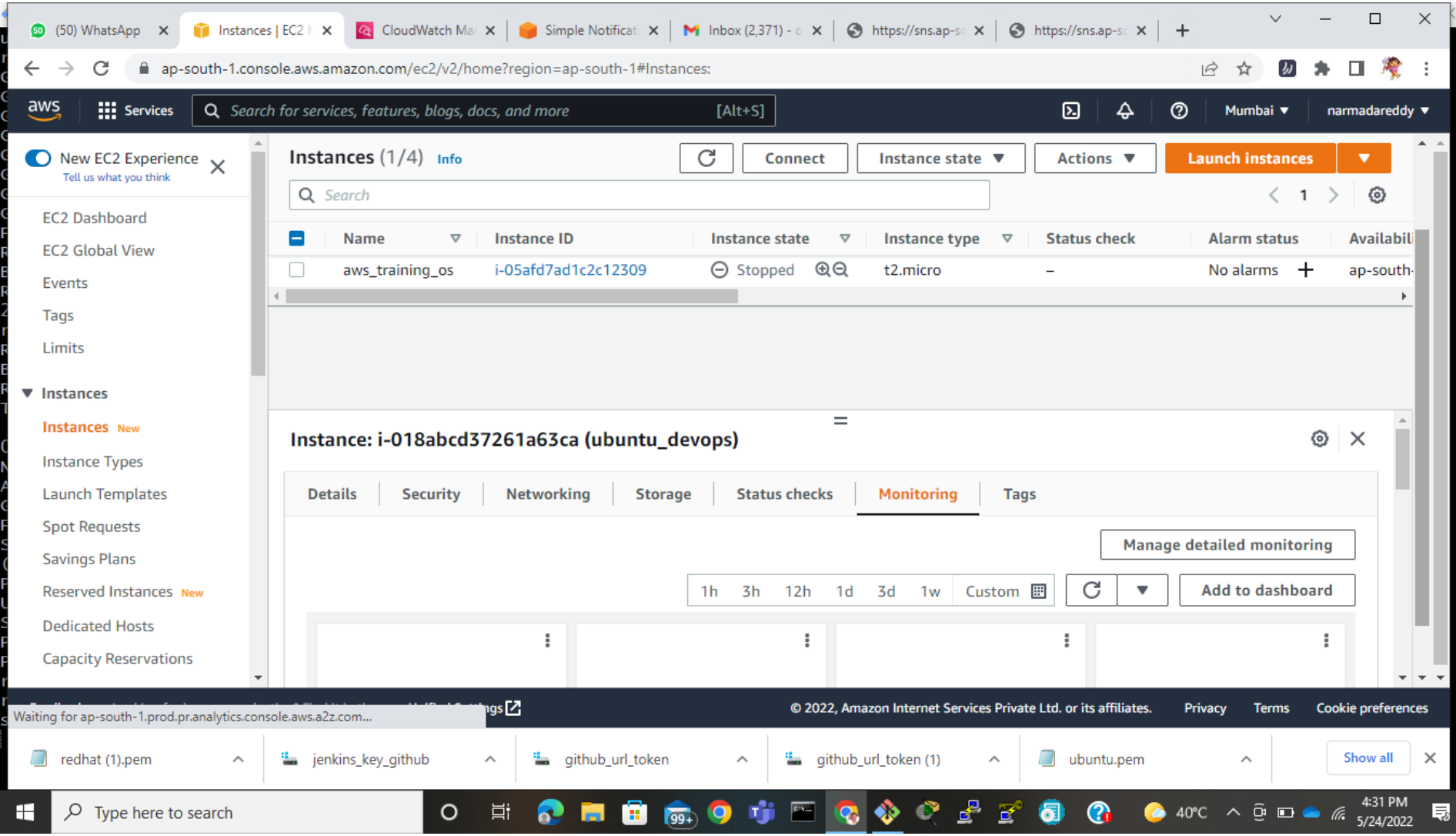


#stress --cpu 1

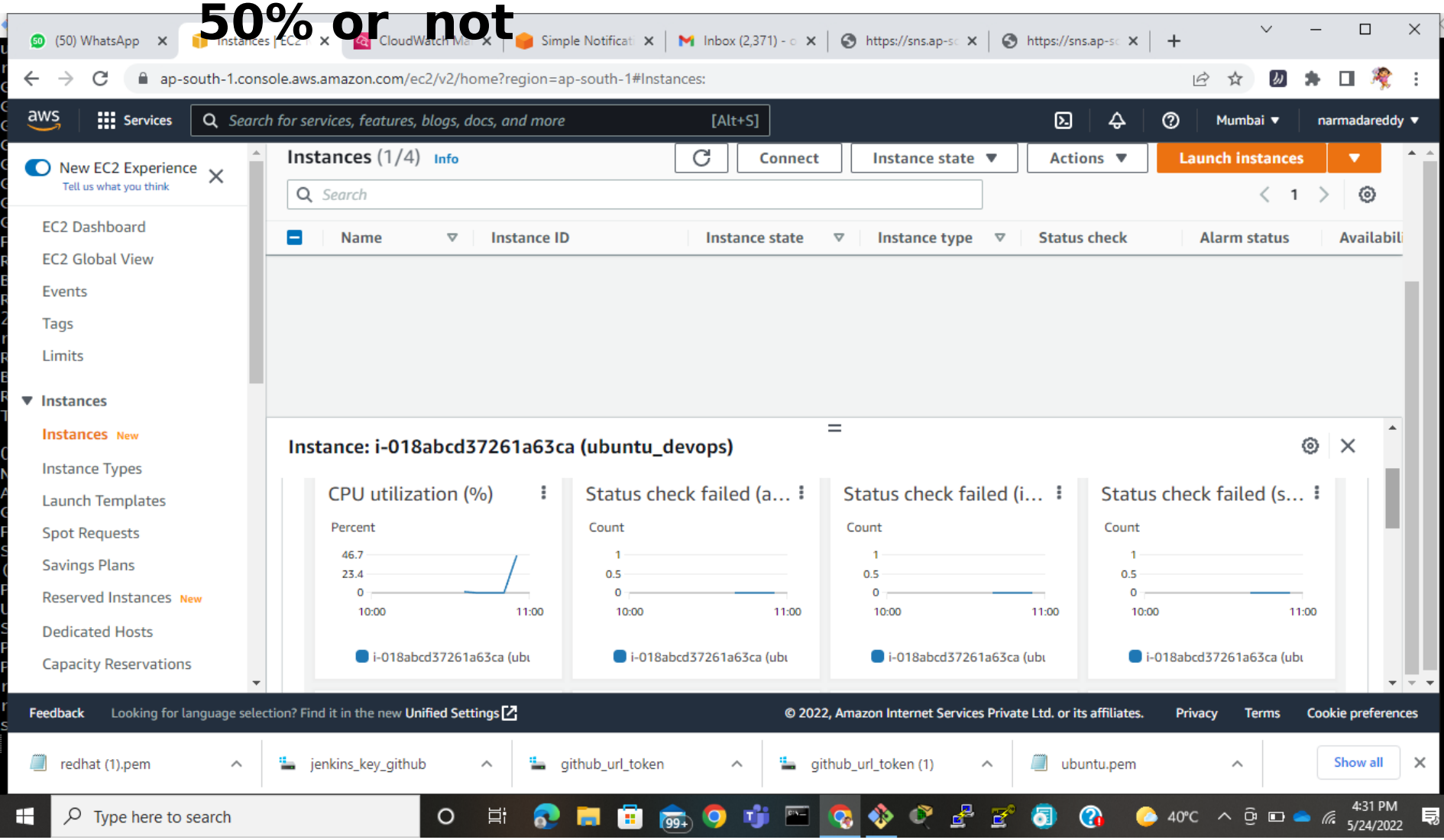
root@ip-172-31-38-43: ~

```
ubuntu@ip-172-31-38-43:~$ sudo su
root@ip-172-31-38-43:/home/ubuntu# apt update
Get:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic InRelease [242 kB]
Get:2 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]
Get:5 http://security.ubuntu.com/ubuntu bionic-security/main amd64 Packages [2239 kB]
Get:6 http://security.ubuntu.com/ubuntu bionic-security/main Translation-en [392 kB]
Get:7 http://security.ubuntu.com/ubuntu bionic-security/restricted amd64 Packages [741 kB]
Get:8 http://security.ubuntu.com/ubuntu bionic-security/restricted Translation-en [102 kB]
Fetched 3968 kB in 4s (1109 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
21 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@ip-172-31-38-43:/home/ubuntu# apt install stress
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  stress
0 upgraded, 1 newly installed, 0 to remove and 21 not upgraded.
Need to get 17.5 kB of archives.
After this operation, 46.1 kB of additional disk space will be used.
Get:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/universe amd64 stress amd64 1.0.4-2 [17.5 kB]
Fetched 17.5 kB in 1s (21.2 kB/s)
Selecting previously unselected package stress.
(Reading database ... 116290 files and directories currently installed.)
Preparing to unpack .../stress_1.0.4-2_amd64.deb ...
Unpacking stress (1.0.4-2) ...
Setting up stress (1.0.4-2) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for install-info (6.5.0.dfsg.1-2) ...
root@ip-172-31-38-43:/home/ubuntu# cd
root@ip-172-31-38-43:~# stress --cpu 1
stress: info: [3786] dispatching hogs: 1 cpu, 0 io, 0 vm, 0 hdd
```

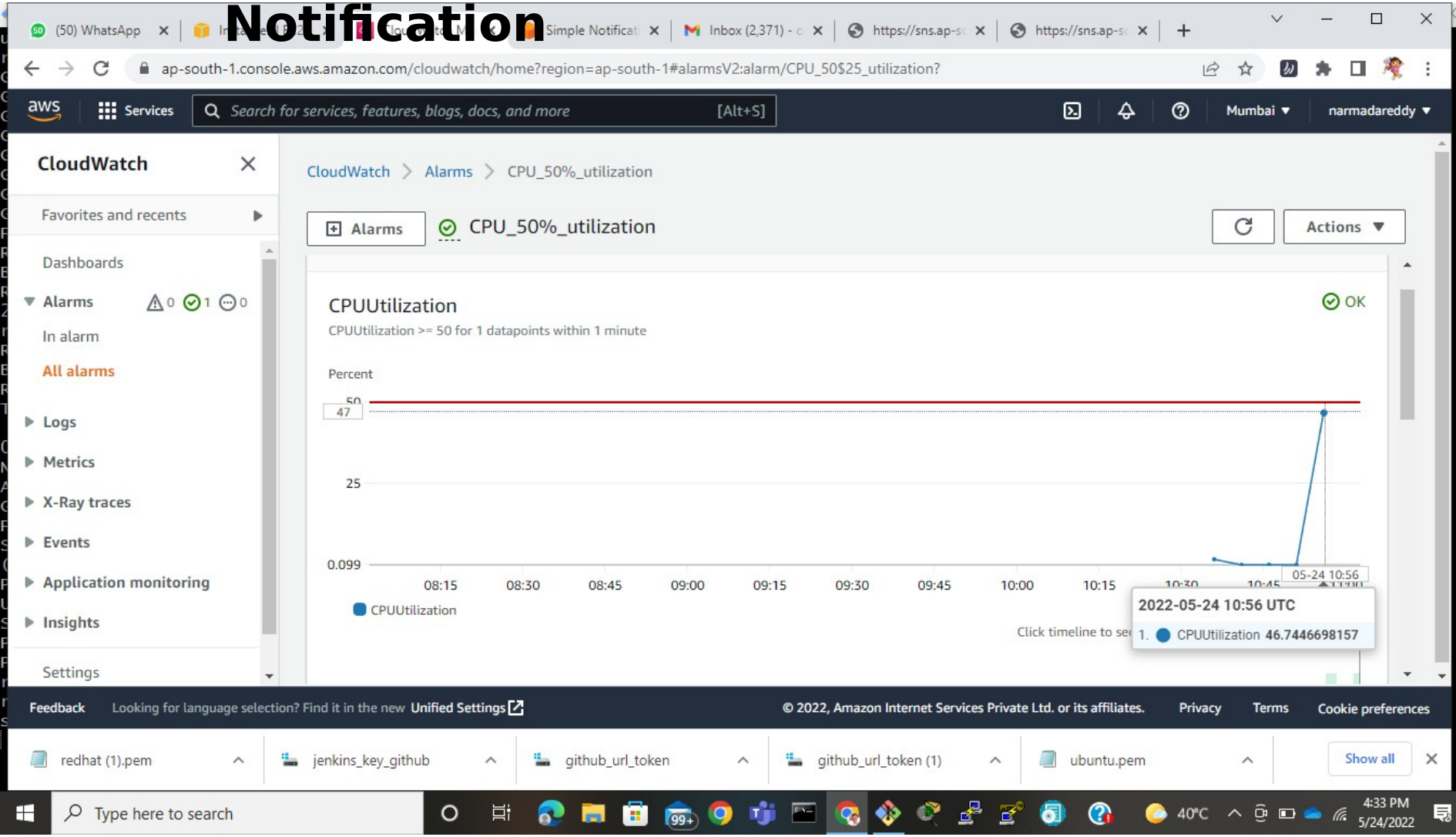
Goto your Ec2 monitoring



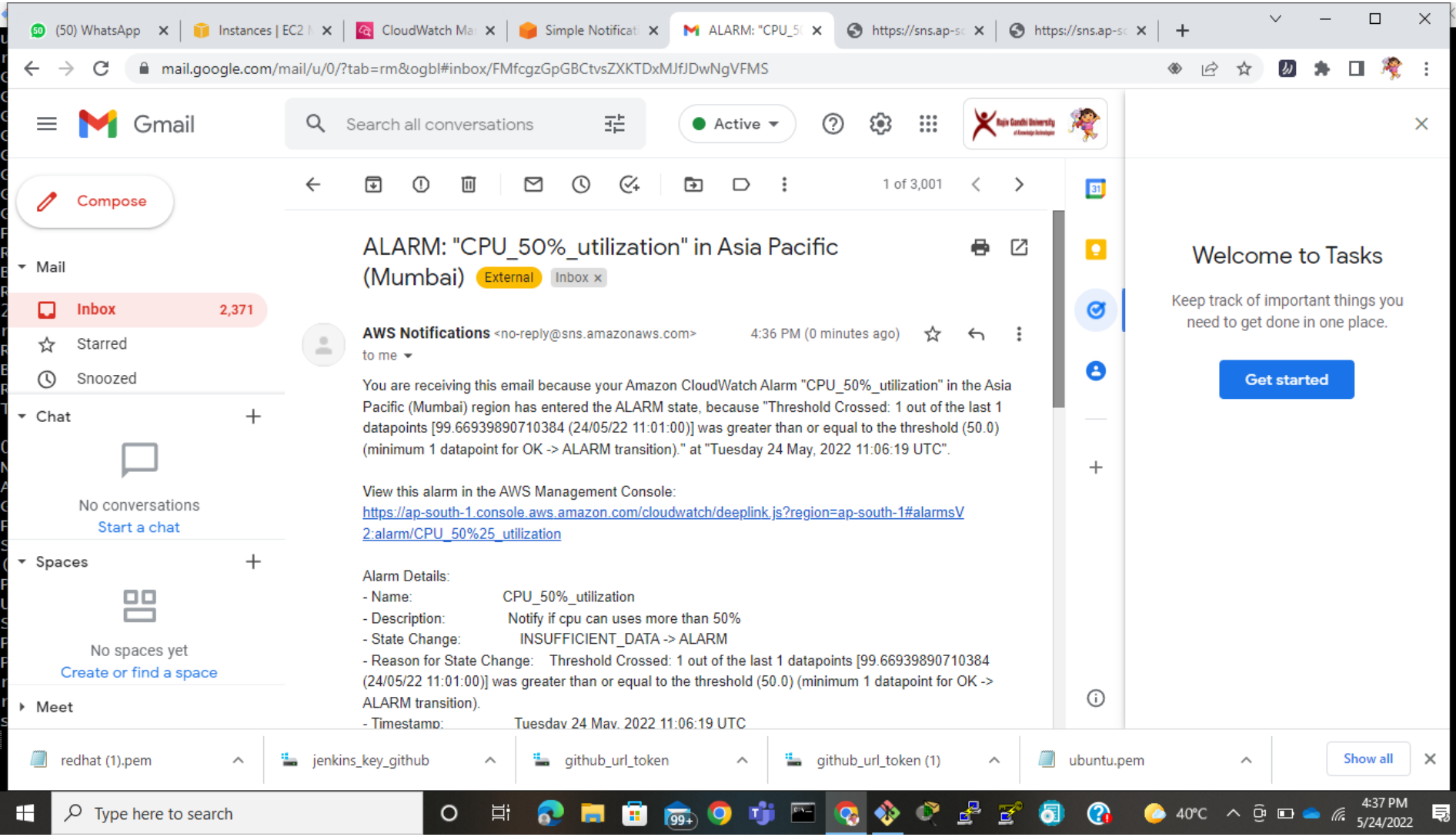
Check Cpu Utilization:-it reaches 50% or not



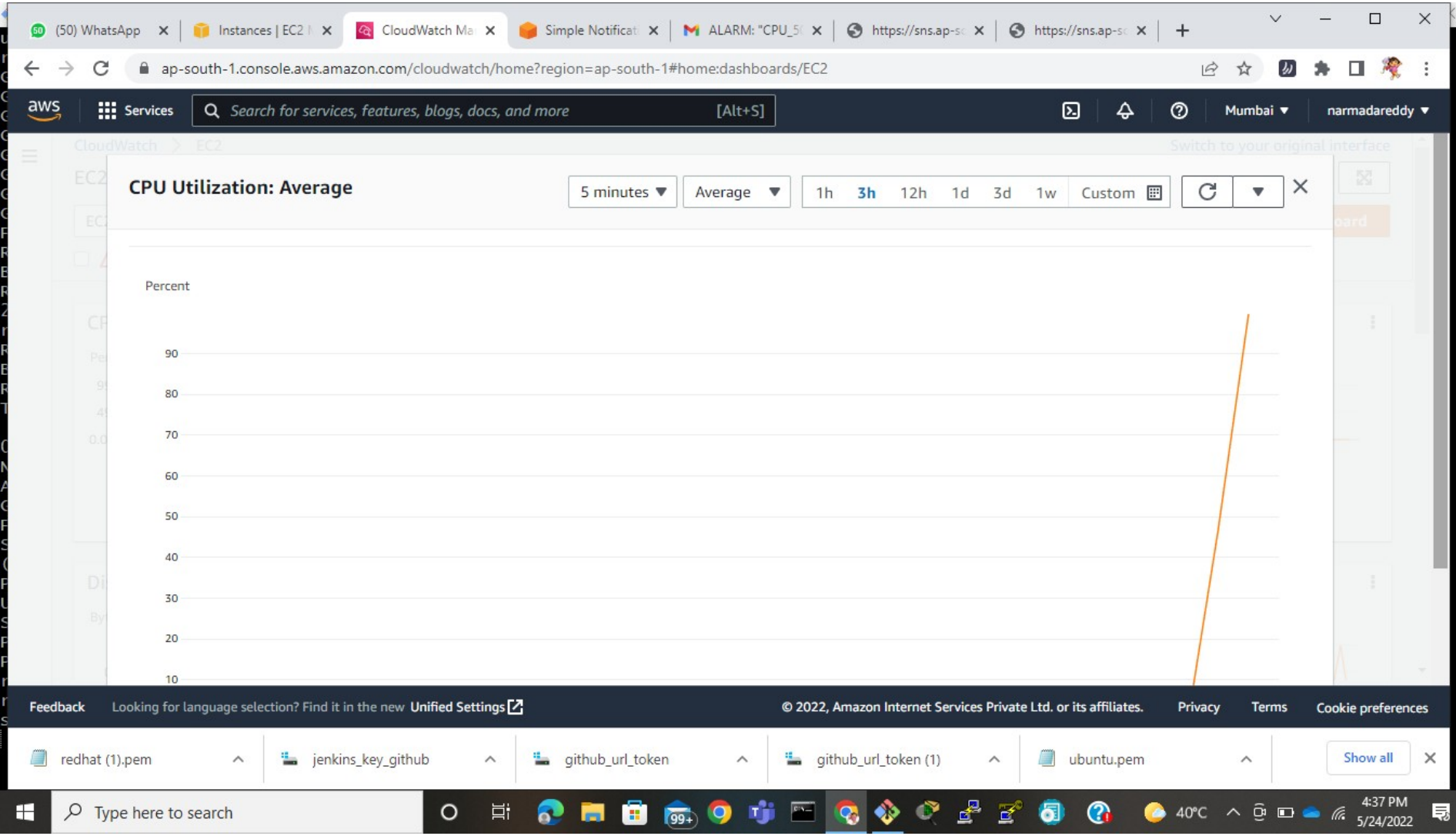
When it reaches the 50% CPU You got mail Notification



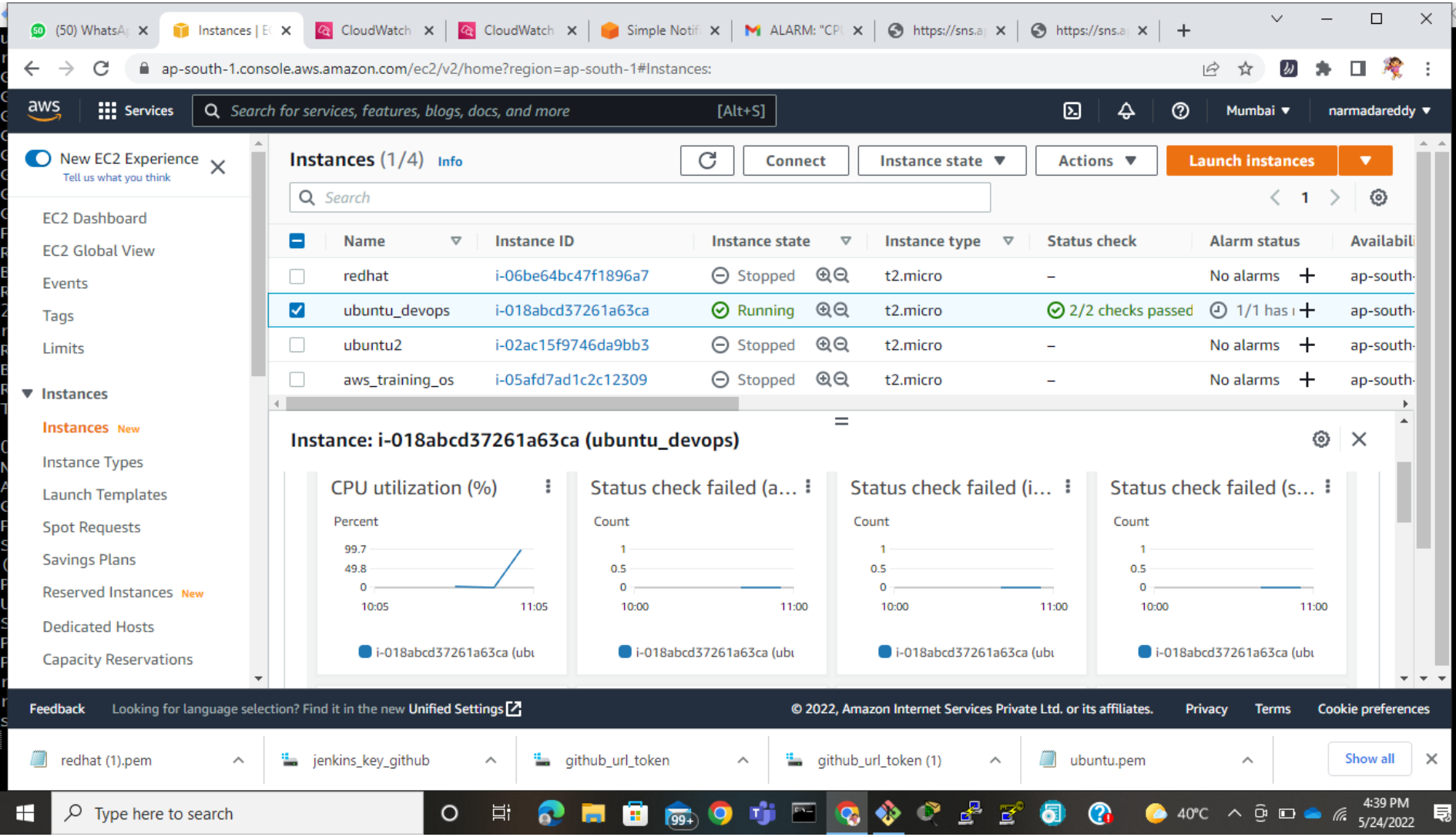
You Got the mail Notification
*it means you reached the 50% cpu utilization and y



CPU Utilization Graph



You also observe in your EC2 monitoring



P.Narmada
o170115@rguktong.ac.in