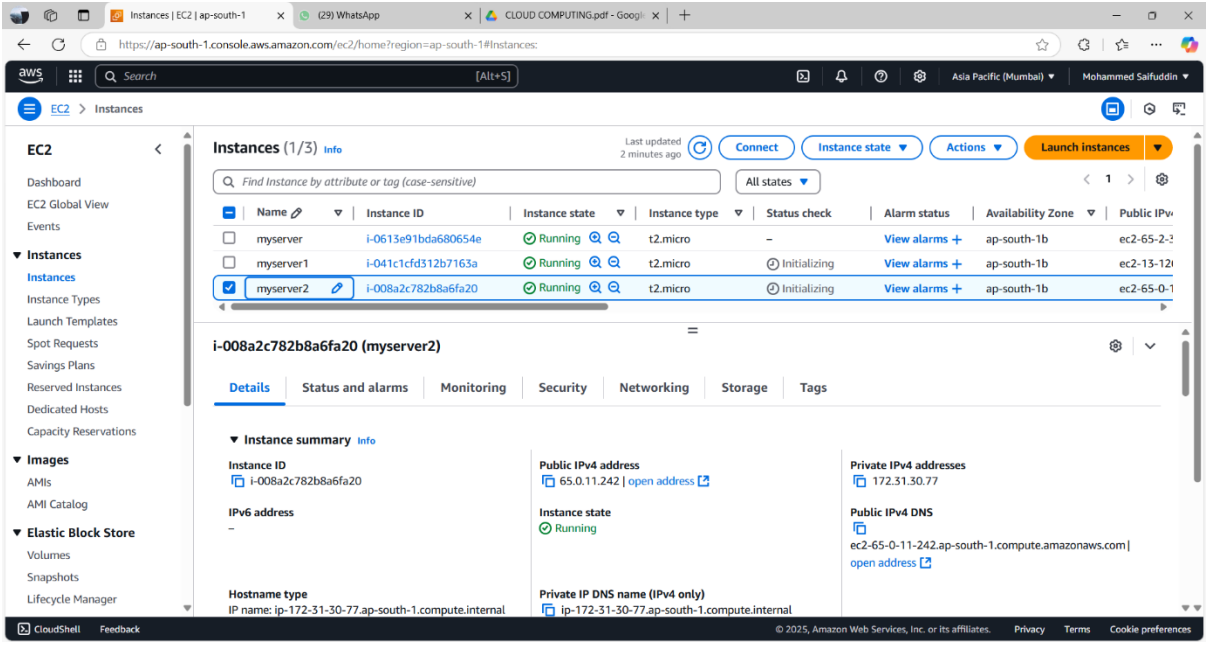
TASK -2

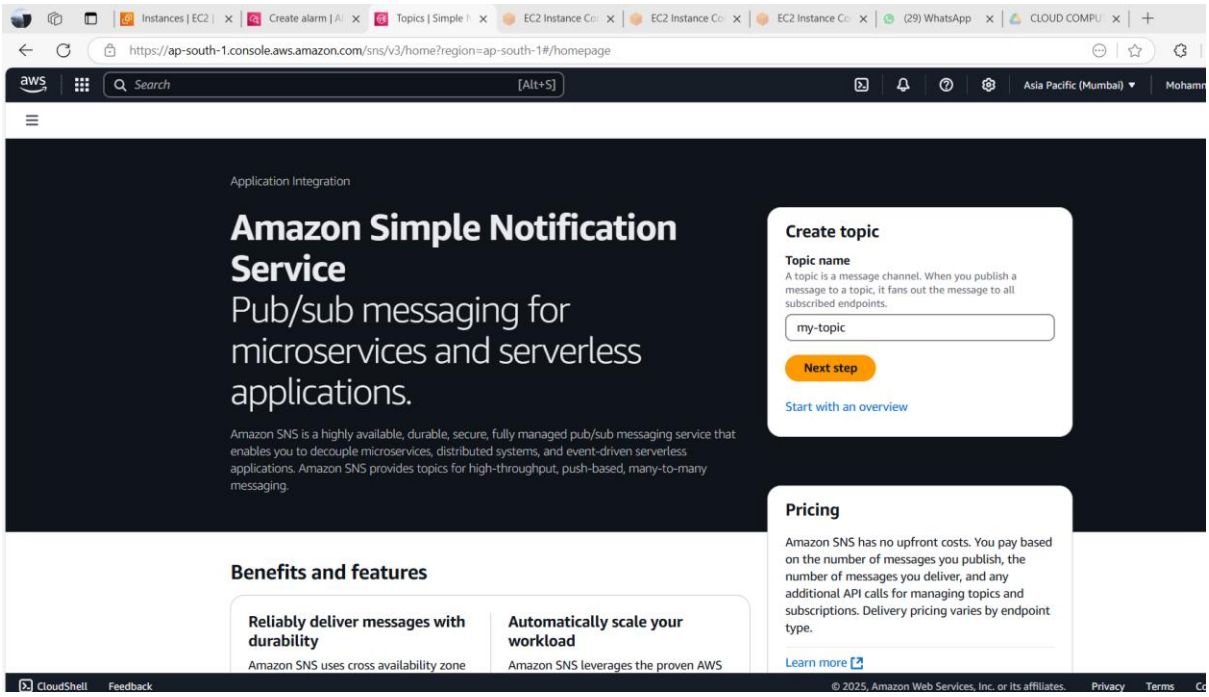
SET UP MONITORING FOR A CLOUD-BASED APPLICATION USING AWS, GOOGLE CLOUD, OR AZURE MONITOR. MONITORING AND ALERT

DELIVERABLE: CONFIGURED ALERTS AND A DASHBOARD SHOWCASING METRICS.

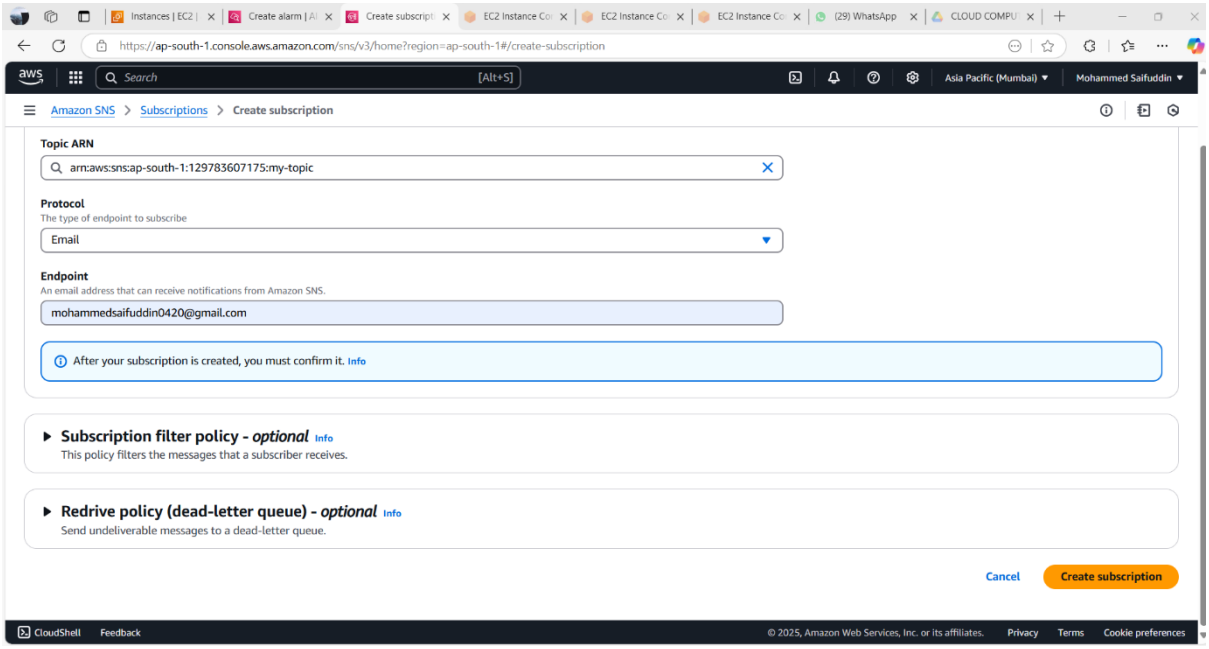
- **Launching the instances**

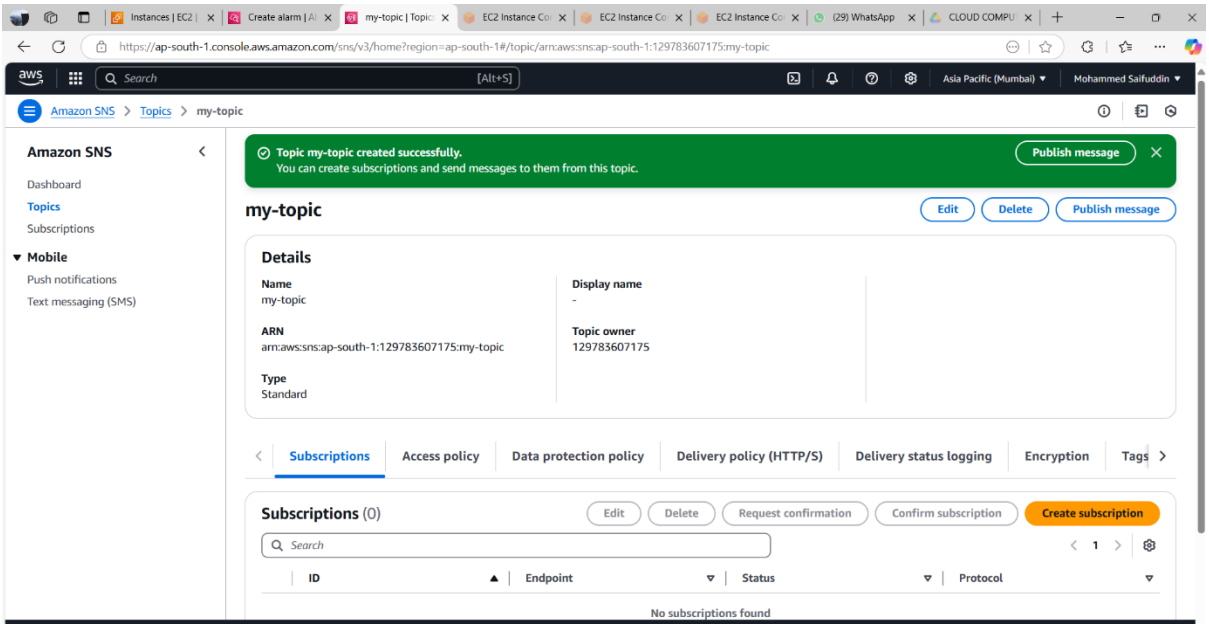


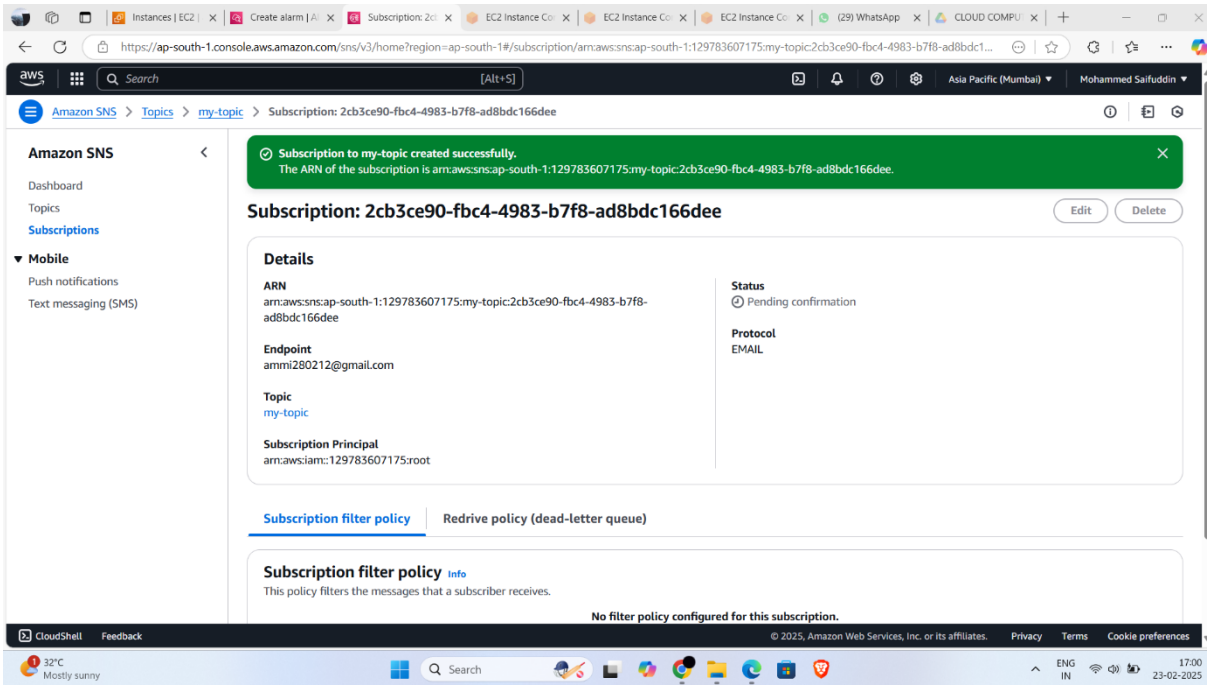
- **Creating a SNS notification**



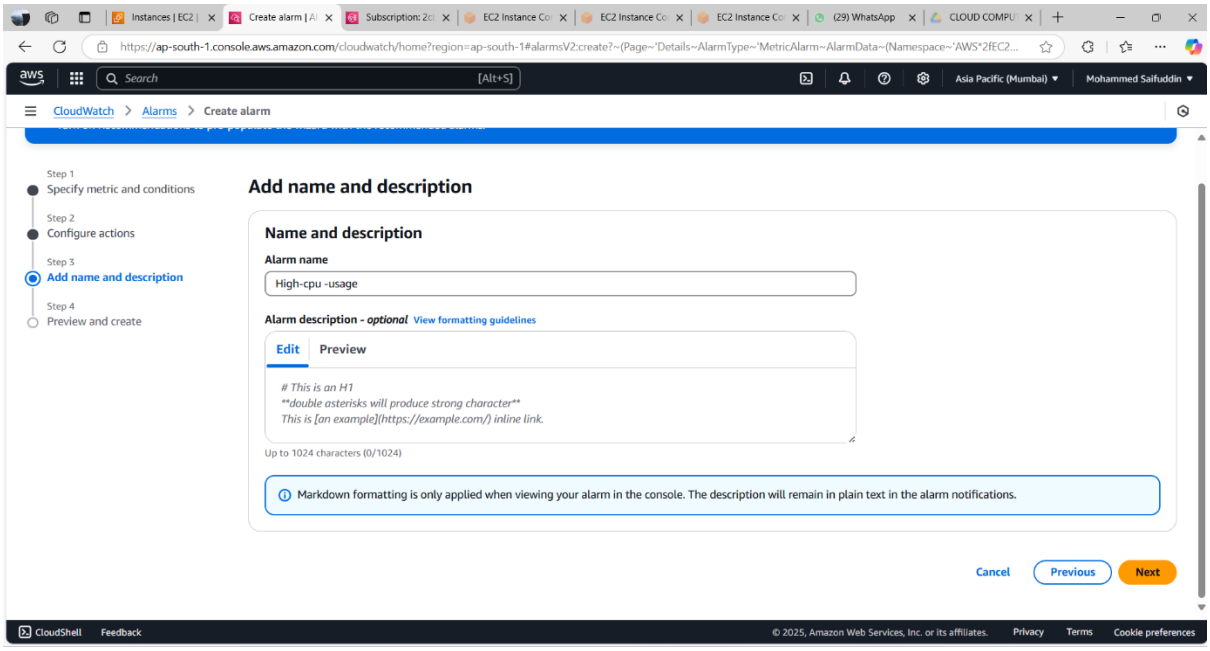
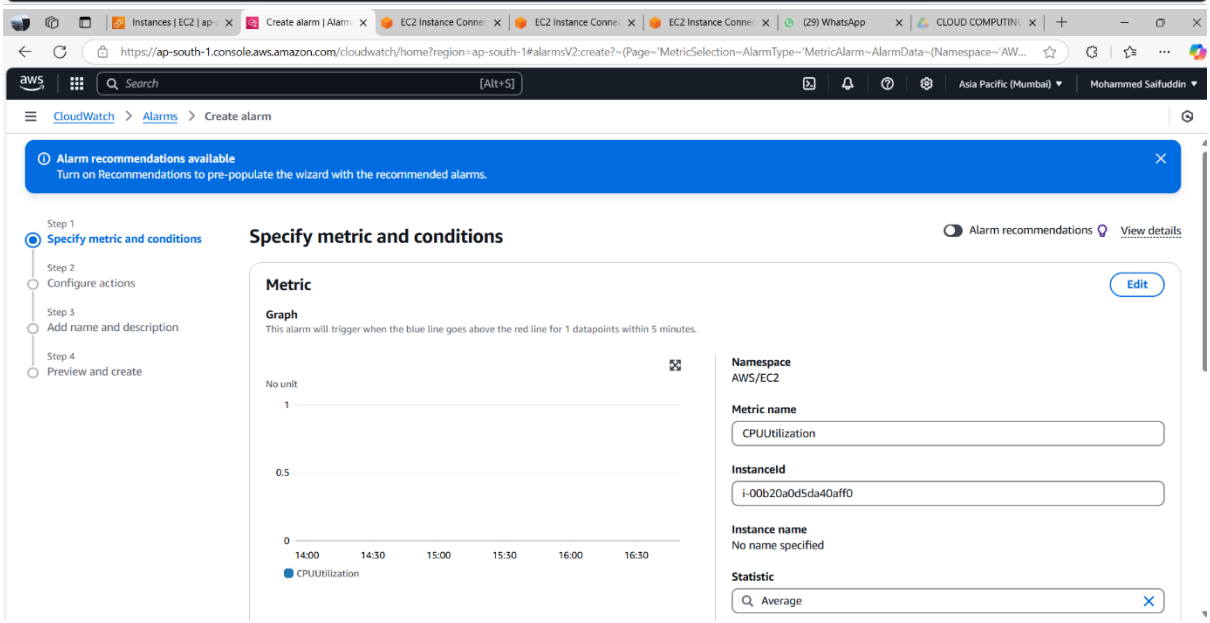
- **Creating a subscription**

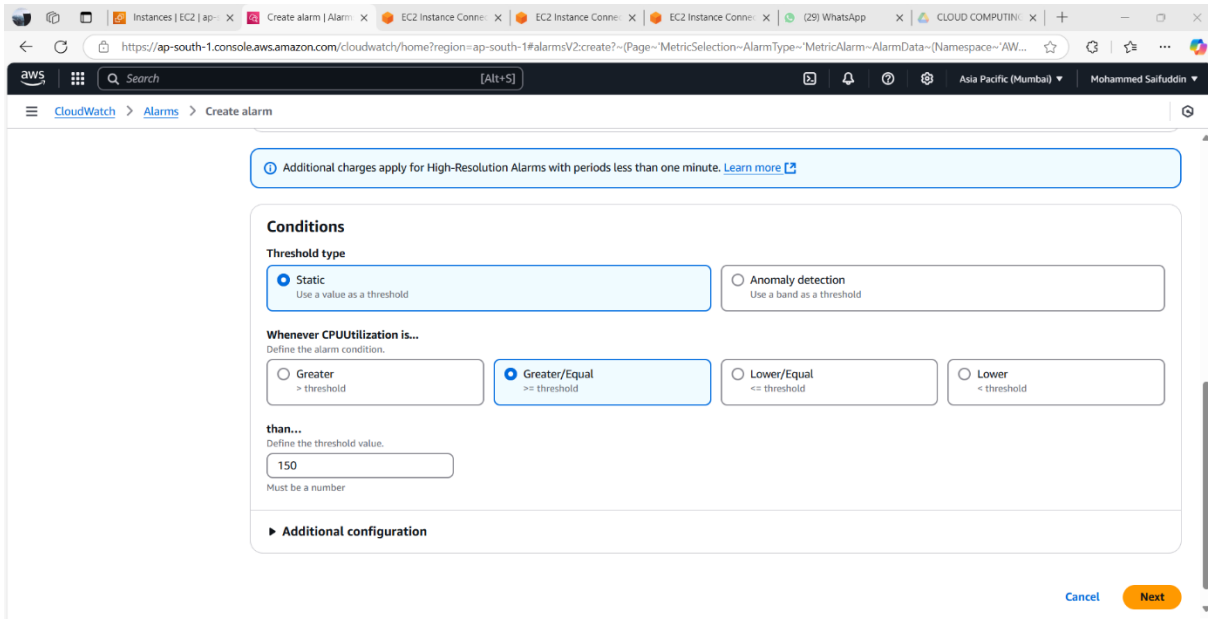


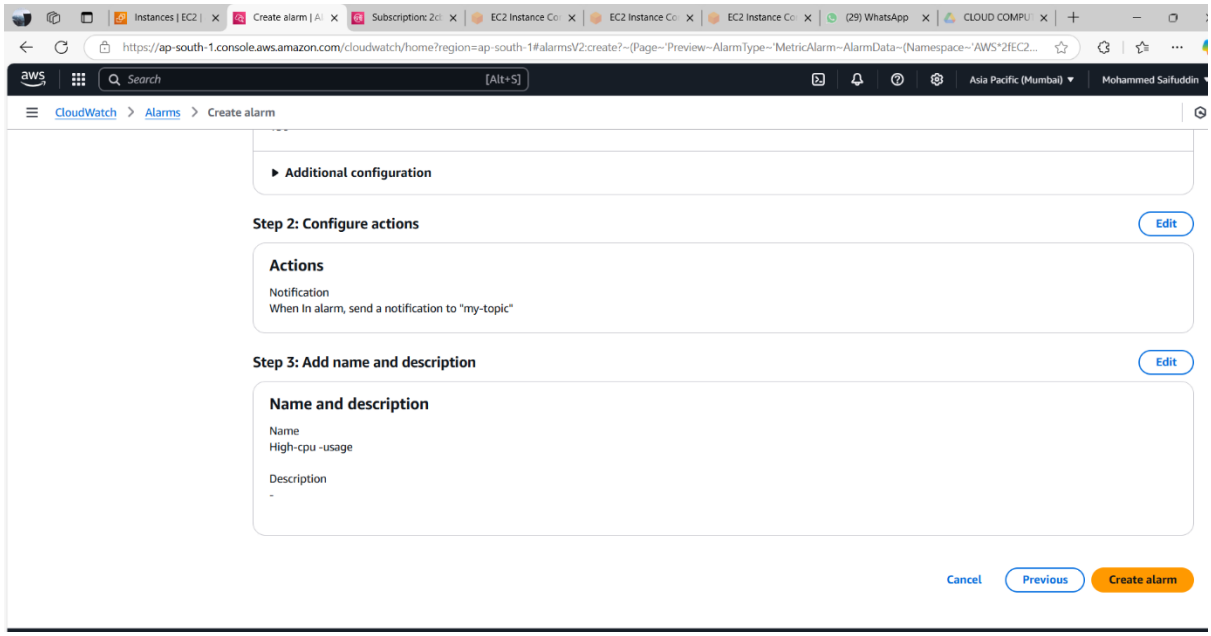




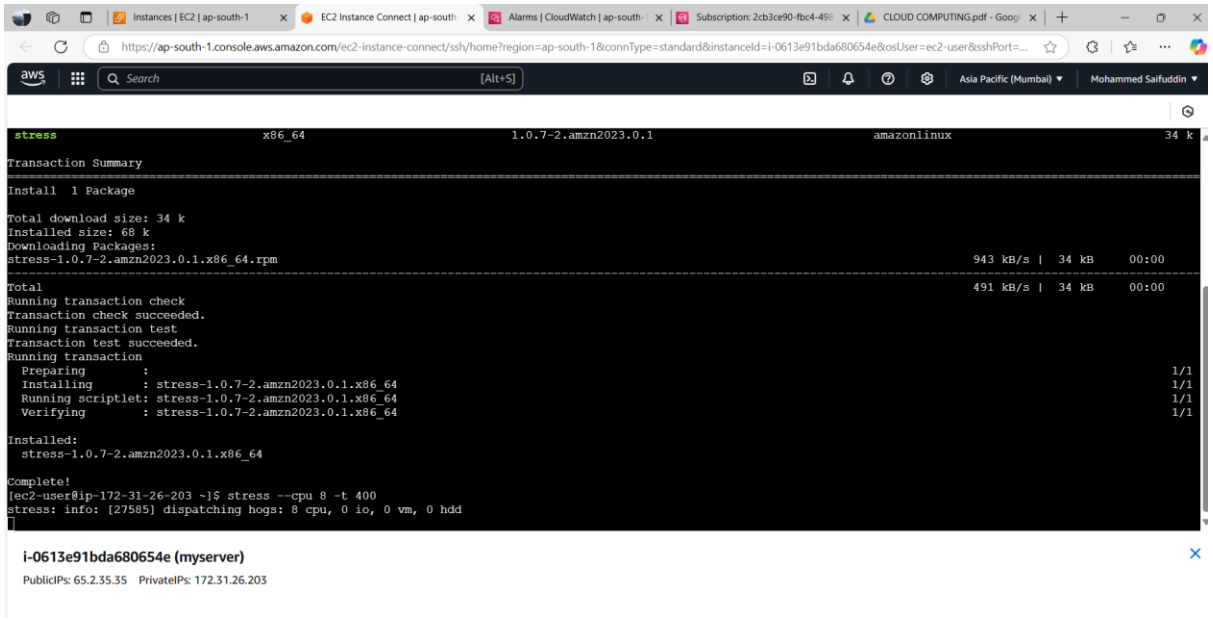
- **Creating alerts and alarms**

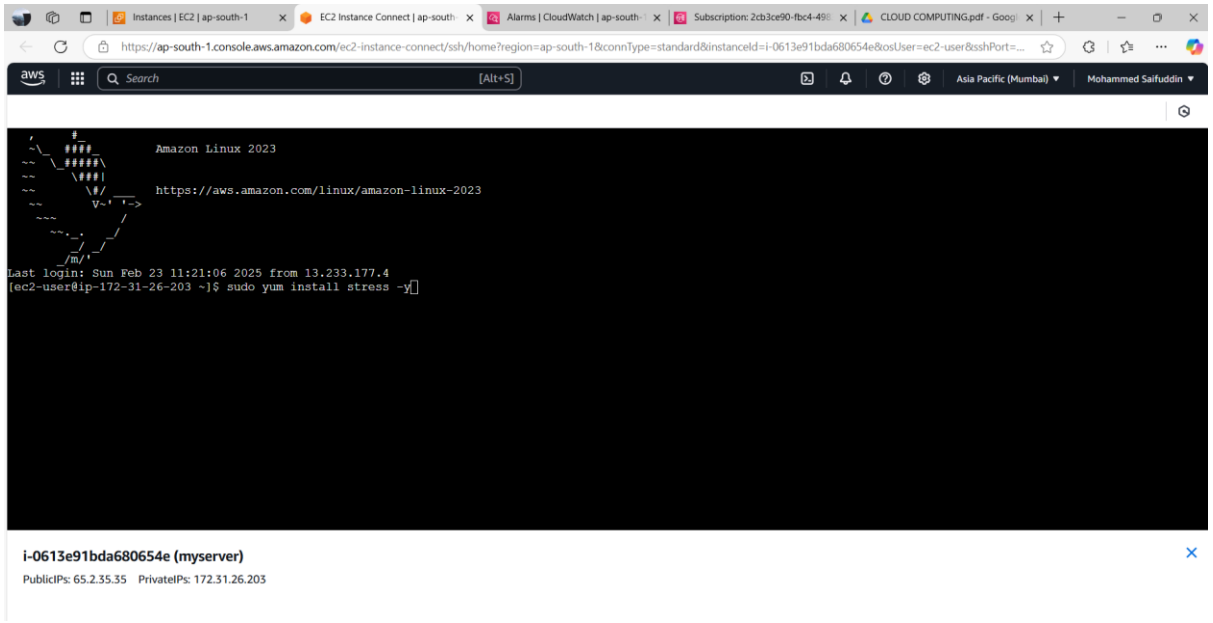
- 
Create alarm | Al
https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#alarmsV2:create?~(Page~'Details~AlarmType~'MetricAlarm~AlarmData~(Namespace~'AWS*2fEC2...
Search
[Alt+S]
Asia Pacific (Mumbai)
Mohammed Saifuddin
CloudWatch > Alarms > Create alarm
Step 1
Specify metric and conditions
Step 2
Configure actions
Step 3
Add name and description
Step 4
Preview and create
Add name and description
Name and description
Alarm name
High-cpu -usage
Alarm description - optional View formatting guidelines
Edit
Preview
This is an H1
double asterisks will produce strong character
This is [an example](https://example.com/) inline link.
Up to 1024 characters (0/1024)
Markdown formatting is only applied when viewing your alarm in the console. The description will remain in plain text in the alarm notifications.
Cancel
Previous
Next
CloudShell
Feedback
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
- 
Create alarm | Alarm
https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#alarmsV2:create?~(Page~'MetricSelection~AlarmType~'MetricAlarm~AlarmData~(Namespace~'AW...
Search
[Alt+S]
Asia Pacific (Mumbai)
Mohammed Saifuddin
CloudWatch > Alarms > Create alarm
Alarm recommendations available
Turn on Recommendations to pre-populate the wizard with the recommended alarms.
Step 1
Specify metric and conditions
Step 2
Configure actions
Step 3
Add name and description
Step 4
Preview and create
Specify metric and conditions
Alarm recommendations
View details
Metric
Edit
Graph
This alarm will trigger when the blue line goes above the red line for 1 datapoints within 5 minutes.
No unit
1
0.5
0
14:00
14:30
15:00
15:30
16:00
16:30
CPUUtilization
Namespace
AWS/EC2
Metric name
CPUUtilization
InstanceId
i-00b20a0d5da40aff0
Instance name
No name specified
Statistic
Average



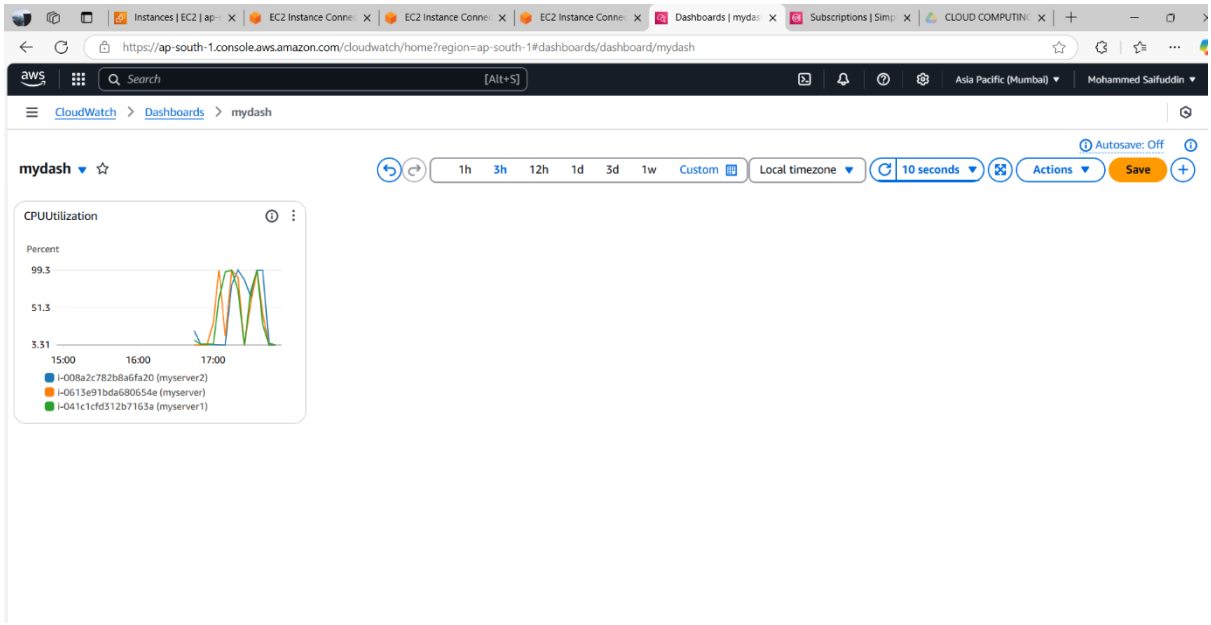


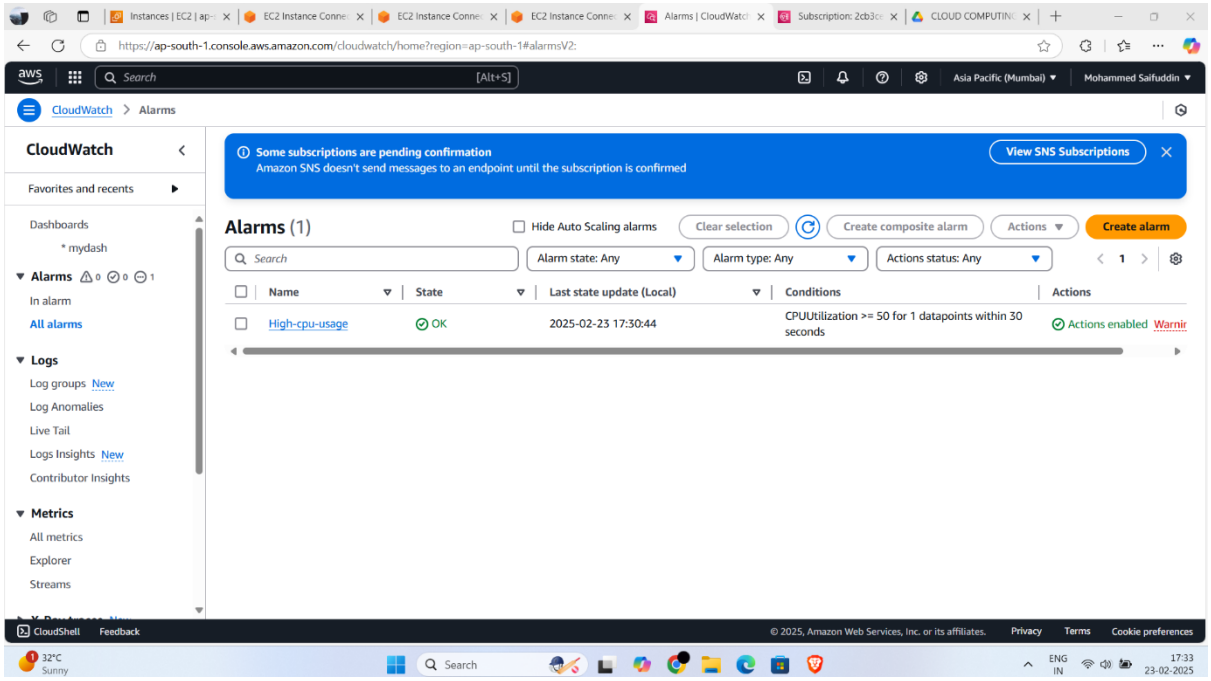
- **Putting stress on cpu for monitoring**

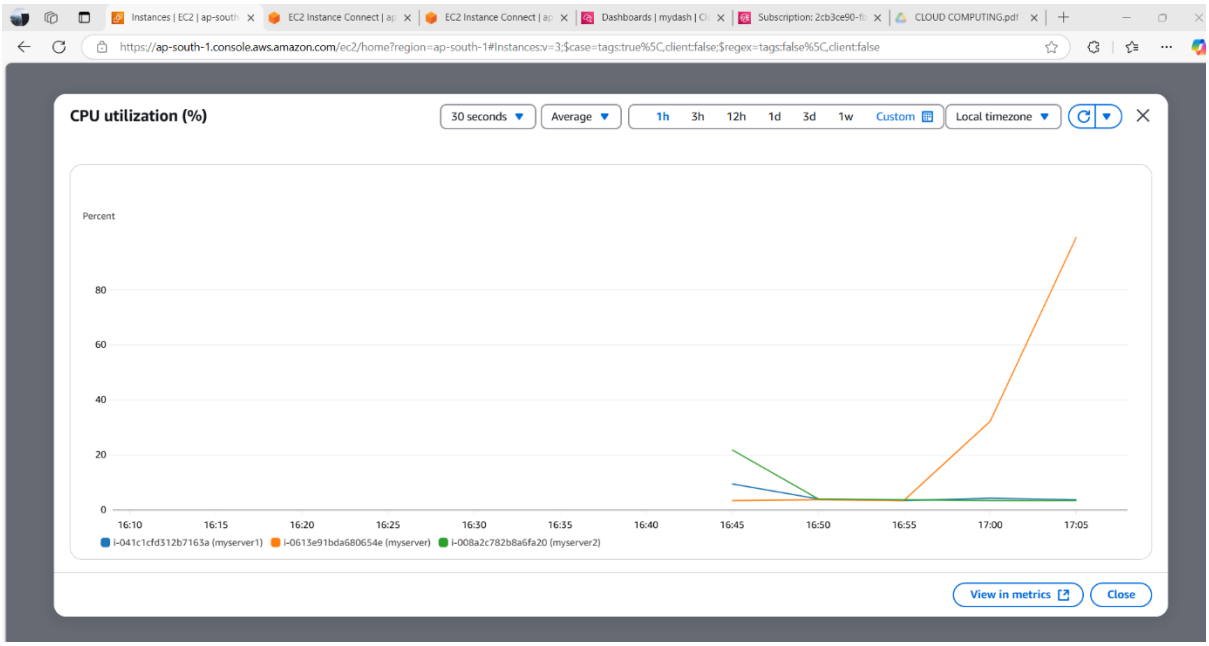


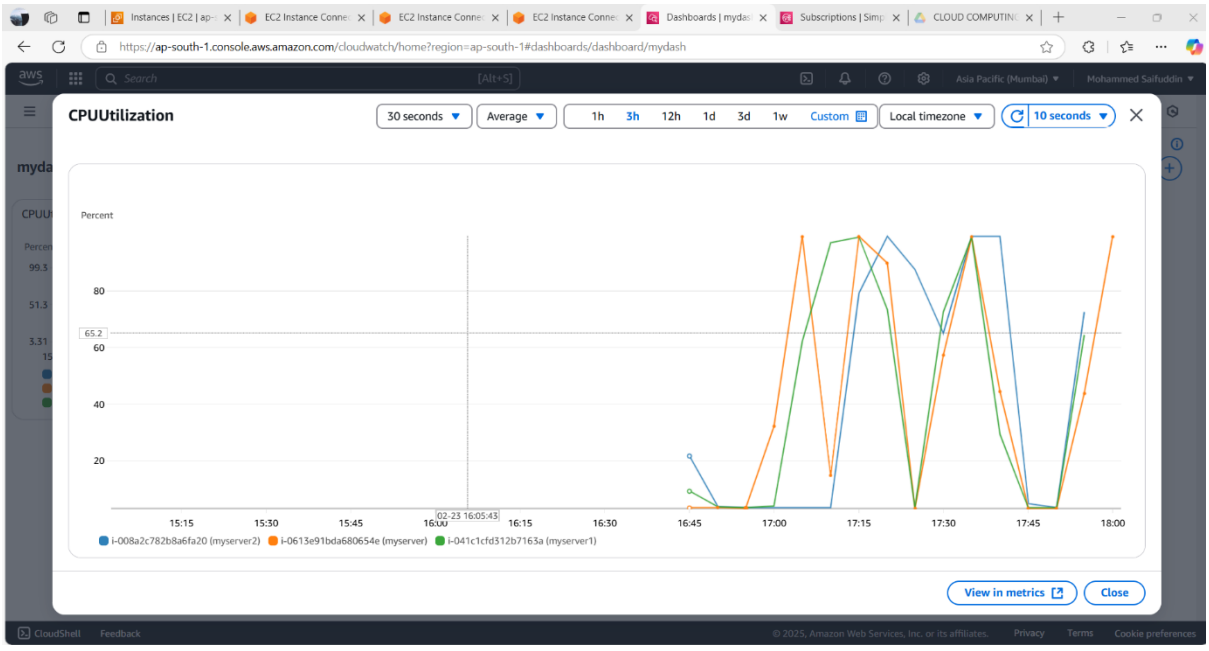


- **Creating a Dashboard for monitoring**


https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#dashboards/dashboard/mydash
CloudWatch > Dashboards > mydash
mydash
1h 3h 12h 1d 3d 1w Custom
Local timezone
10 seconds
Actions
Save
Autosave: Off
CPUUtilization
Percent
99.3
51.3
3.31
15:00
16:00
17:00
i-008a2c782b8a6fa20 (myserver2)
i-0613e91bda680654e (myserver)
i-041c1cfd312b7163a (myserver1)


https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#alarmsV2:
CloudWatch > Alarms
CloudWatch
Favorites and recents
Dashboards
mydash
Alarms
In alarm
All alarms
Logs
Log groups New
Log Anomalies
Live Tail
Logs Insights New
Contributor Insights
Metrics
All metrics
Explorer
Streams
Some subscriptions are pending confirmation
Amazon SNS doesn't send messages to an endpoint until the subscription is confirmed
View SNS Subscriptions
Alarms (1)
Hide Auto Scaling alarms
Clear selection
Create composite alarm
Actions
Create alarm
Search
Alarm state: Any
Alarm type: Any
Actions status: Any
Name
State
Last state update (Local)
Conditions
Actions
High-cpu-usage
OK
2025-02-23 17:30:44
CPUUtilization >= 50 for 1 datapoints within 30 seconds
Actions enabled
CloudShell
Feedback
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences


CPU utilization (%)
30 seconds
Average
1h 3h 12h 1d 3d 1w Custom
Local timezone
Percent
80
60
40
20
0
16:10 16:15 16:20 16:25 16:30 16:35 16:40 16:45 16:50 16:55 17:00 17:05
i-041c1cfd312b7163a (myserver1) i-0613e91bda680654e (myserver) i-008a2c782b8a6fa20 (myserver2)
View in metrics
Close


https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#dashboards/dashboard/mydash
CPUUtilization
30 seconds
Average
1h 3h 12h 1d 3d 1w Custom
Local timezone
10 seconds
Percent
80
65.2
60
40
20
15:15 15:30 15:45 16:00 16:15 16:30 16:45 17:00 17:15 17:30 17:45 18:00
02-23 16:05:43
i-008a2c782b8a6fa20 (myserver2) i-0613e91bda680654e (myserver) i-041c1cfd312b7163a (myserver1)
View in metrics
Close