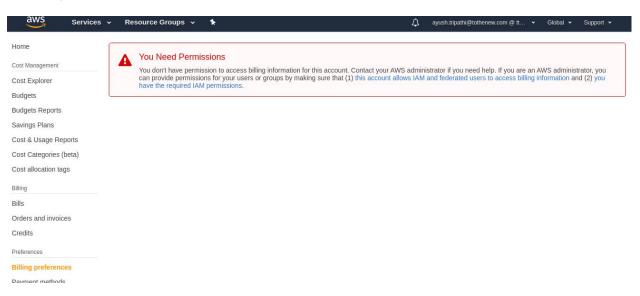
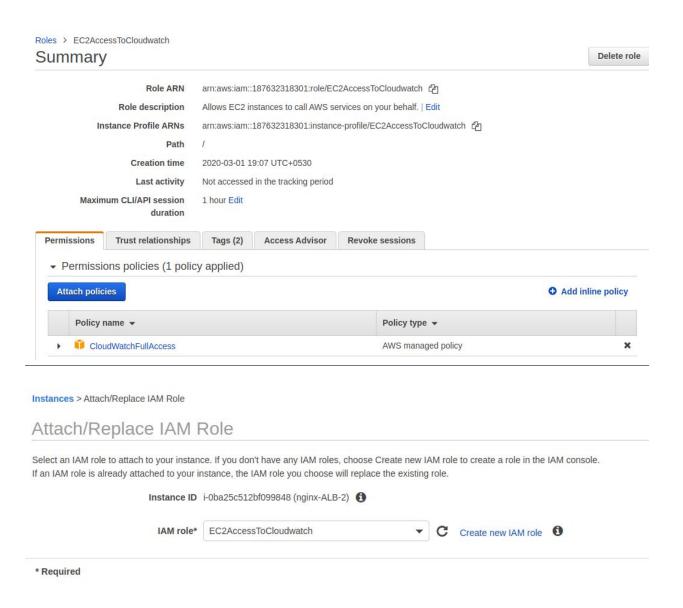
# 1. Monitor Your Estimated Charges Using CloudWatch

- **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 all the stakeholder, if AWS resource pricing reaches the threshold value.



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



```
# Edit this file to introduce tasks to be run by cron.

# Each task to run has to be defined through a single line

# indicating with different fields when the task will be run

# and what command to run for the task

# To define the time you can provide concrete values for

# minute (m), hour (h), day of month (dom), month (mon),

# and day of week (dow) or use '*' in these fields (for 'any').#

# Notice that tasks will be started based on the cron's system

# daemon's notion of time and timezones.

#

# 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:

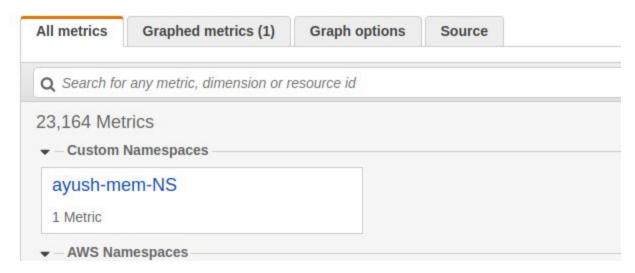
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/

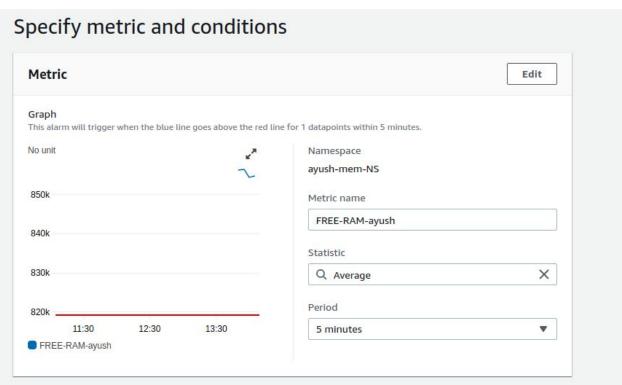
#

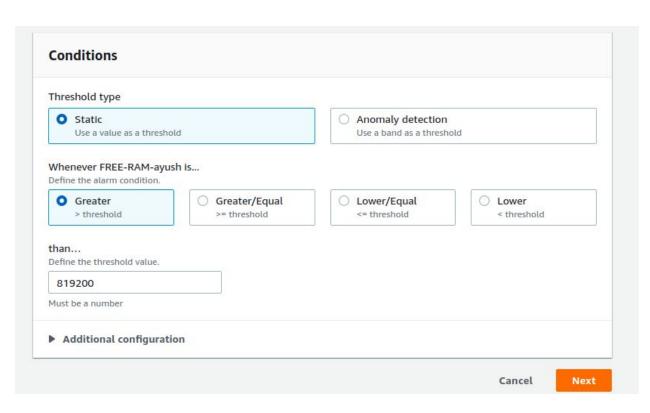
# For more information see the manual pages of crontab(5) and cron(8)

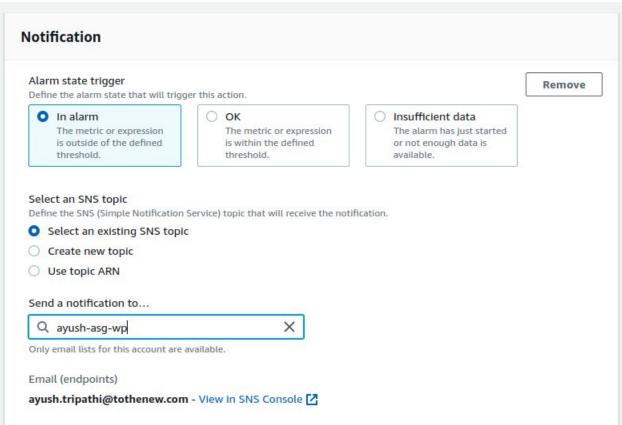
# m h dom mon dow command

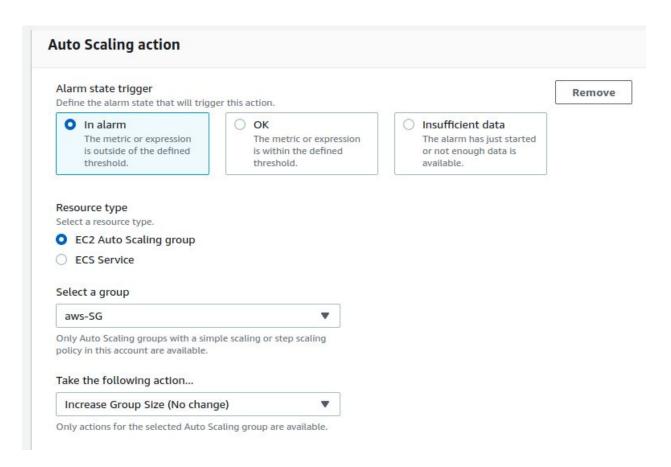
* * * * * ./script.sh
```

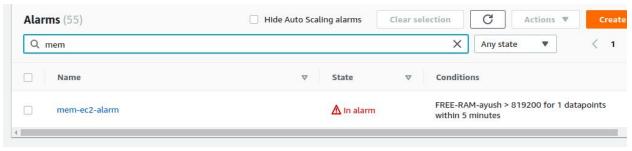


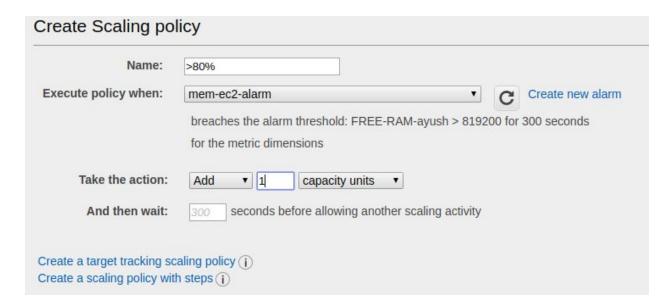








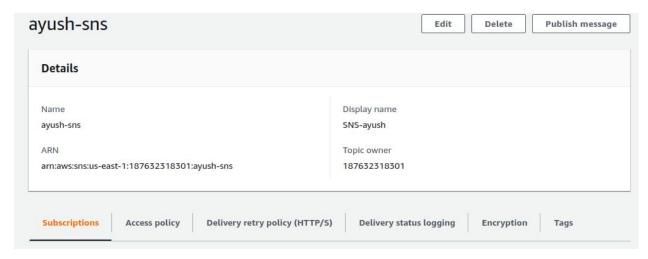


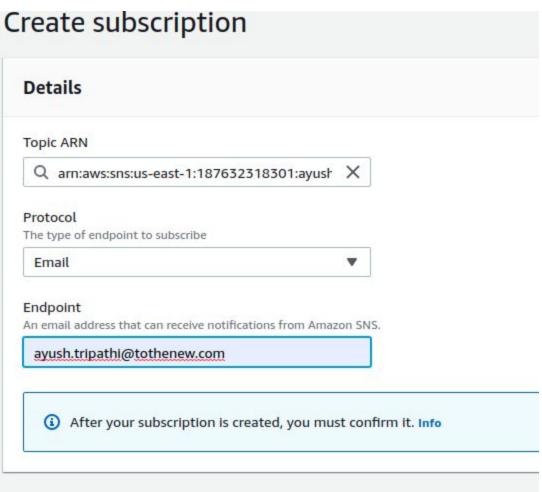


### Refrence:

https://cloudkul.com/blog/create-custom-metrics-aws-cloudwatch/

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





# AWS Notification - Subscription Confirmation



AWS Notifications <no-reply@sns.amazonaws.com>
to me ▼

You have chosen to subscribe to the topic:

arn:aws:sns:us-east-1:187632318301:ayush-asg-wp

To confirm this subscription, click or visit the link below (If this was in error no action is n Confirm subscription

Please do not reply directly to this email. If you wish to remove yourself from receiving all future SNS sub:



Simple Notification Service

### Subscription confirmed!

You have subscribed ayush.tripathi@tothenew.com to the topic: ayush-asg-wp.

Your subscription's id is:

arn:aws:sns:us-east-1:187632318301:ayush-asg-wp:84e57310-00d6-449a-888e-4ef61a982ac6

If it was not your intention to subscribe, click here to unsubscribe.

# Publish message to topic Message details Topic ARN arn:aws:sns:us-east-1:187632318301:ayush-sns Subject - optional test message Maximum 100 printable ASCII characters Time to Live (TTL) - optional This setting applies only to mobile application endpoints. The number of seconds that the push notification service has to deliver the message to

### Message structure

Identical payload for all delivery protocols.

The same payload is sent to endpoints subscribed to the topic, regardless of their delivery protocol.

 Custom payload for each delivery protocol.

Different payloads are sent to endpoints subscribed to the topic, based on their delivery protocol.

Message body to send to the endpoint

1 this is the test message for SNS

Message published to topic ayush-sns successfully.
 Message "ID": 0ba46804-ff30-5300-a36d-3ed1356e0d22

 Amazon SNS → Topics → ayush-sns

 ayush-sns

## 4. Send a sample mail using SES.

