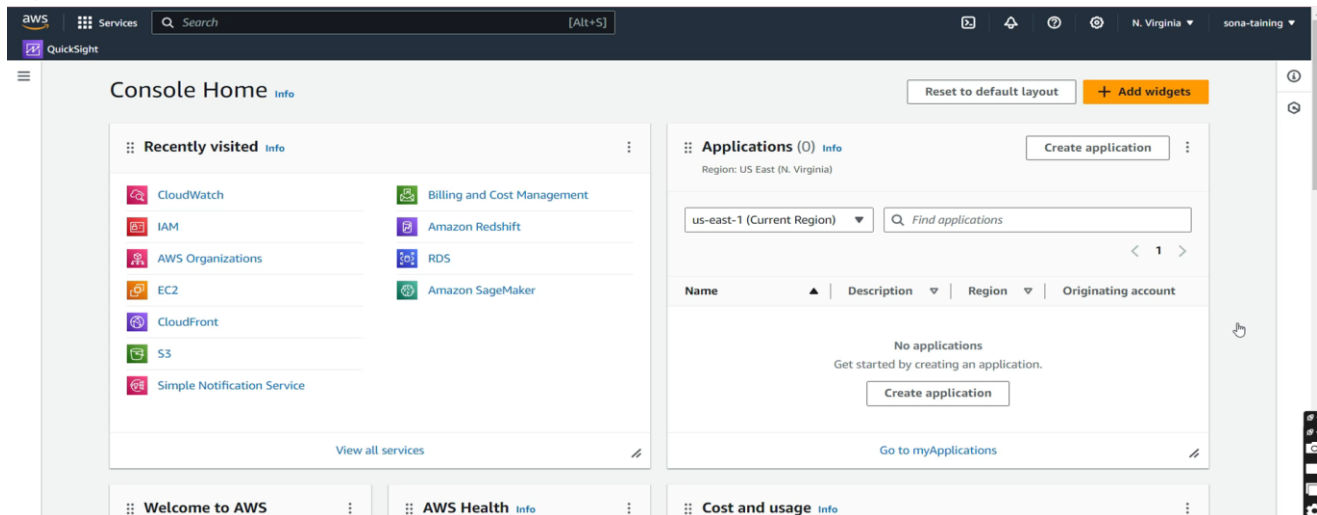
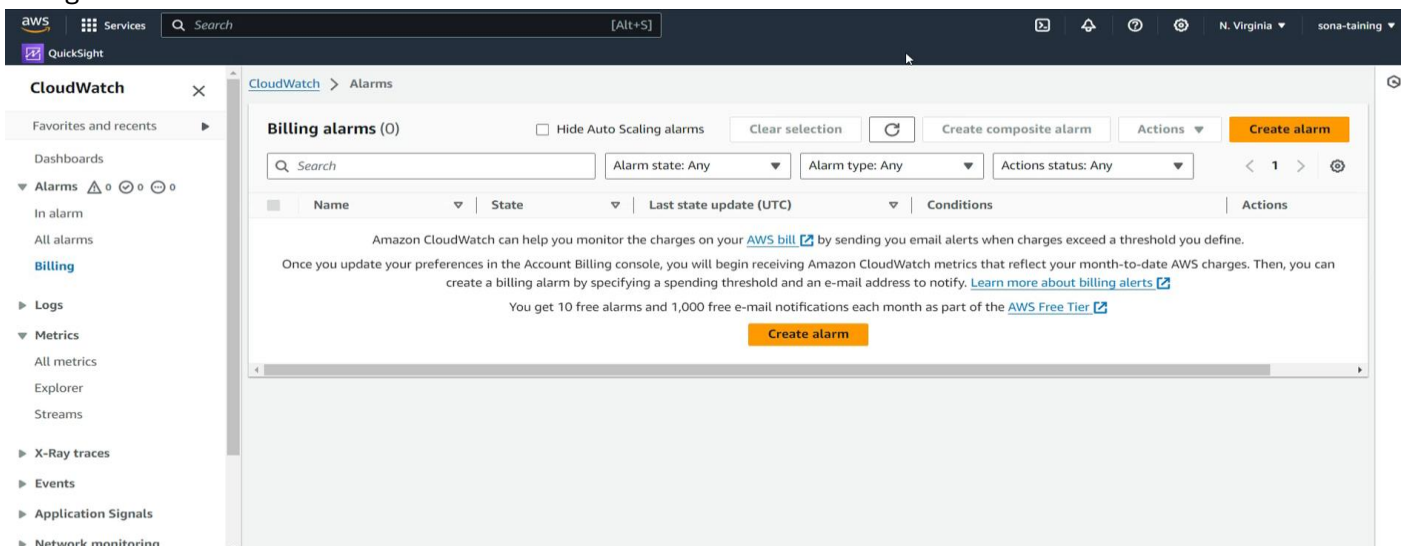


Creating a Billing Alarm – Lab

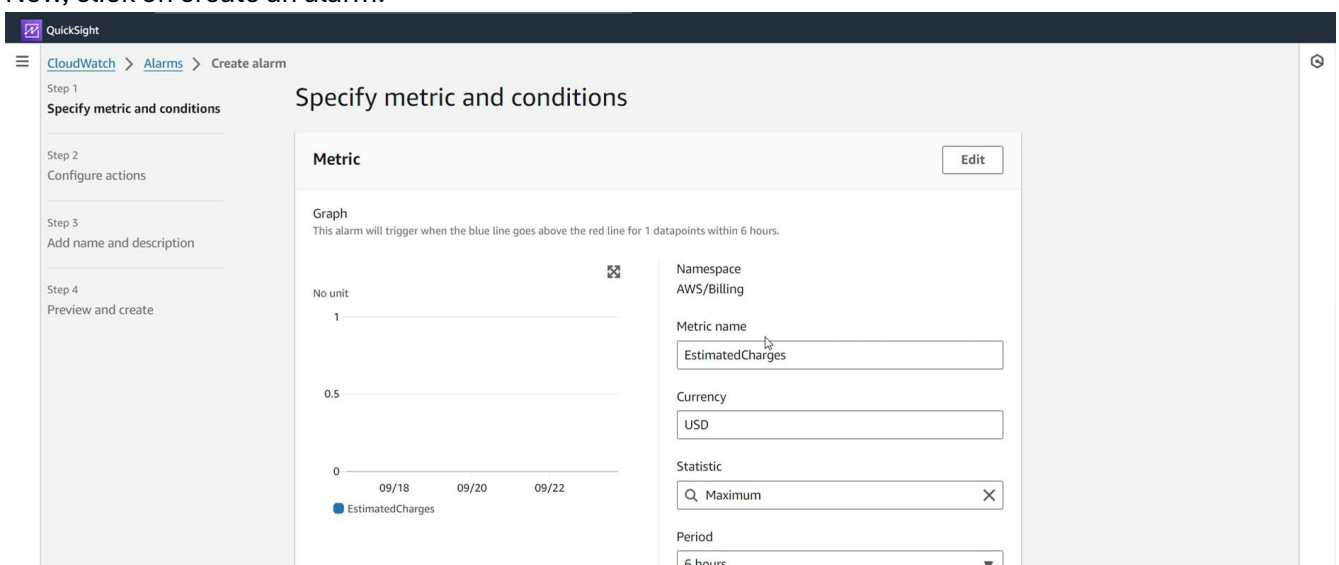
1. Go to your AWS console:



2. A billing alarm helps you monitor your AWS costs and notify you when spending exceeds a certain threshold.
3. First, search for **CLOUDWATCH**. Under alarms section, click on billing. Billing metric is only available in N.Virginia.



4. Now, click on create an alarm.



5. Once you click on create an alarm, you're going to have a dashboard like this. Metric name is going to be **AWSBILLRIGGER** & my currency is in **USD**. Now, the statistics you want it to be **maximum** or you can

choose as your preference. The period where you want this alarm to check every 15 min or 6 hours, it depends on you.

The screenshot shows the AWS CloudWatch 'Create Alarm' wizard. In the 'Metric' section, the namespace is 'AWS/Billing', the metric name is 'AWSBILLTRIGGER', the currency is 'USD', the statistic is 'Maximum', and the period is '6 hours'. A line graph shows the 'EstimatedCharges' metric over time. In the 'Conditions' section, the 'Static' threshold type is selected, with the description 'Use a value as a threshold'. The 'Anomaly detection' option is also visible with the description 'Use a band as a threshold'.

6. Now the condition, you would come here the threshold type leave it as “**Static**”. Set the alarm whenever it is greater, greater/equal, lower/equal or lower. Amount you want to set **\$80**, we will receive a notification once our AWS bill hits \$80. Click on “**NEXT**”.

This screenshot shows the 'Conditions' section of the AWS CloudWatch 'Create Alarm' wizard. The 'Static' threshold type is selected. Below it, the 'Whenever AWSBILLTRIGGER is...' section allows defining the alarm condition. The 'Greater' condition is selected, with the description '> threshold'. Other options include 'Greater/Equal' (>= threshold), 'Lower/Equal' (<= threshold), and 'Lower' (< threshold). The 'than...' section allows defining the threshold value, which is set to '80' USD. A 'Next' button is visible at the bottom right.

7. You're going to configure, please treat this as an **alarm**. After defining the threshold, we need to create a **new SNS**. An SNS topic is used to send notification such as email on your preferred email address.

aws Services Search [Alt+S] N. Virginia sona-taining

QuickSight

Step 2
Configure actions

Step 3
Add name and description

Step 4
Preview and create

Notification

Alarm state trigger
Define the alarm state that will trigger this action. Remove

☒ In alarm
The metric or expression is outside of the defined threshold.

☐ OK
The metric or expression is within the defined threshold.

☐ Insufficient data
The alarm has just started or not enough data is available.

Send a notification to the following SNS topic
Define the SNS (Simple Notification Service) topic that will receive the notification.

☐ Select an existing SNS topic

☒ Create new topic

☐ Use topic ARN to notify other accounts

Create a new topic...
The topic name must be unique.

Default_CloudWatch_Alarms_Topic

SNS topic names can contain only alphanumeric characters, hyphens (-) and underscores (_).

Email endpoints that will receive the notification...
Add a comma-separated list of email addresses. Each address will be added as a subscription to the topic above.

user@example.com

user1@example.com, user2@example.com

8. Click on “NEXT”.

9. Add Name and description. Then click on “Next”.

Specify metric and conditions

Step 2
Configure actions

Step 3
Add name and description

Step 4
Preview and create

Name and description

Alarm name
Myalarm

Alarm description - optional [View formatting guidelines](#)

[Edit](#) [Preview](#)

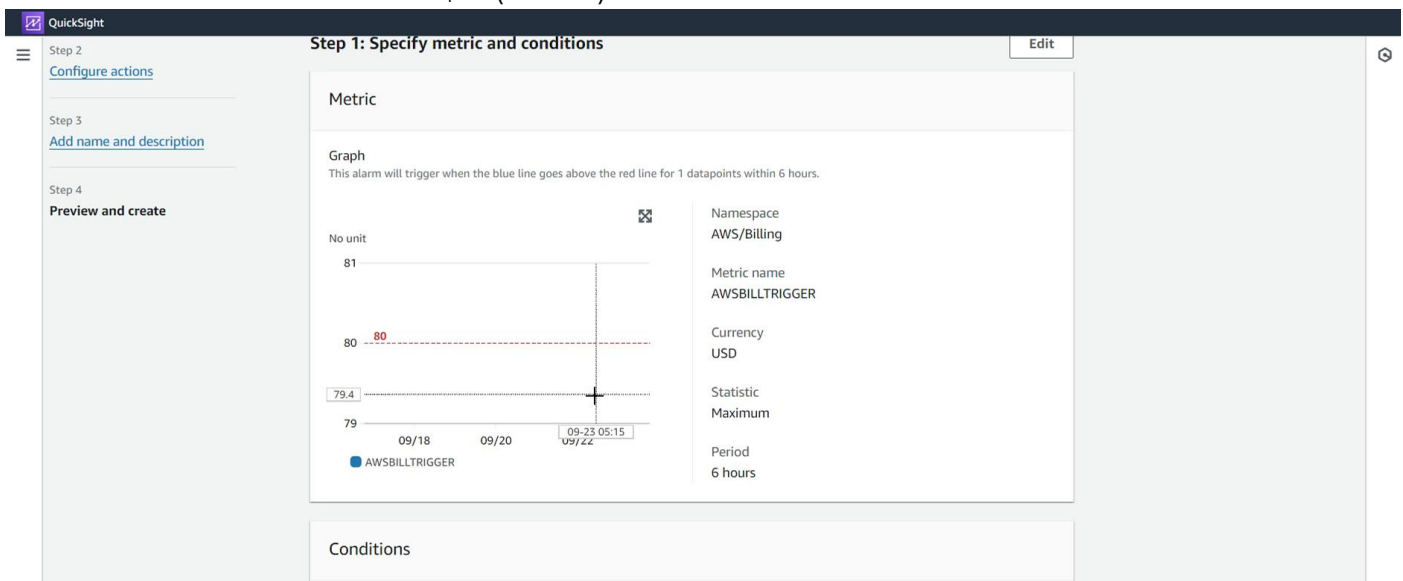
This is an H1
double asterisks will produce strong character
This is [an example](https://example.com/) inline link.

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](#)

10. You can see the alarm threshold is \$80 (red line) and click on create alarm.



11. You get a confirmation subscription email on your email address.

12. Review and Save.