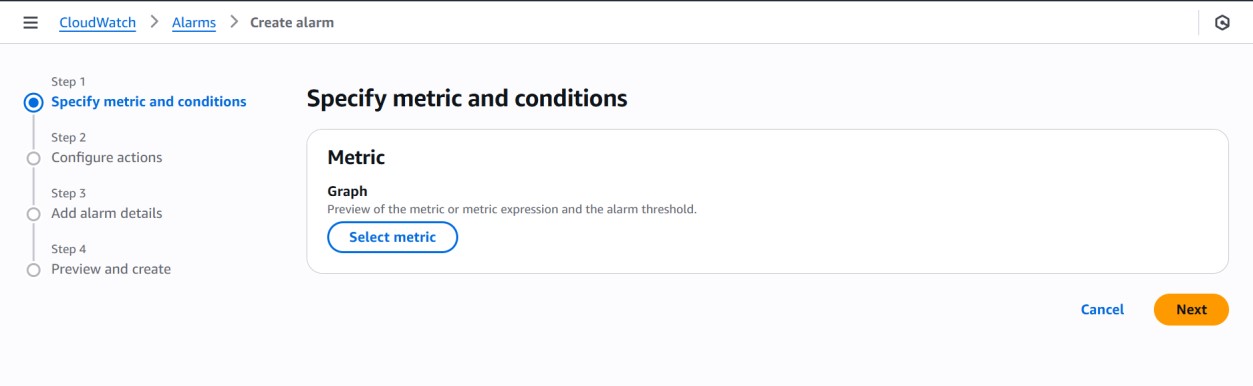
**Task-2 : Cloud Monitoring and Alerts**

**SET UP MONITORING FOR A CLOUD BASED APPLICATION USING AWS CLOUDWATCH, GOOGLE CLOUD MONITORING, OR AZURE MONITOR**

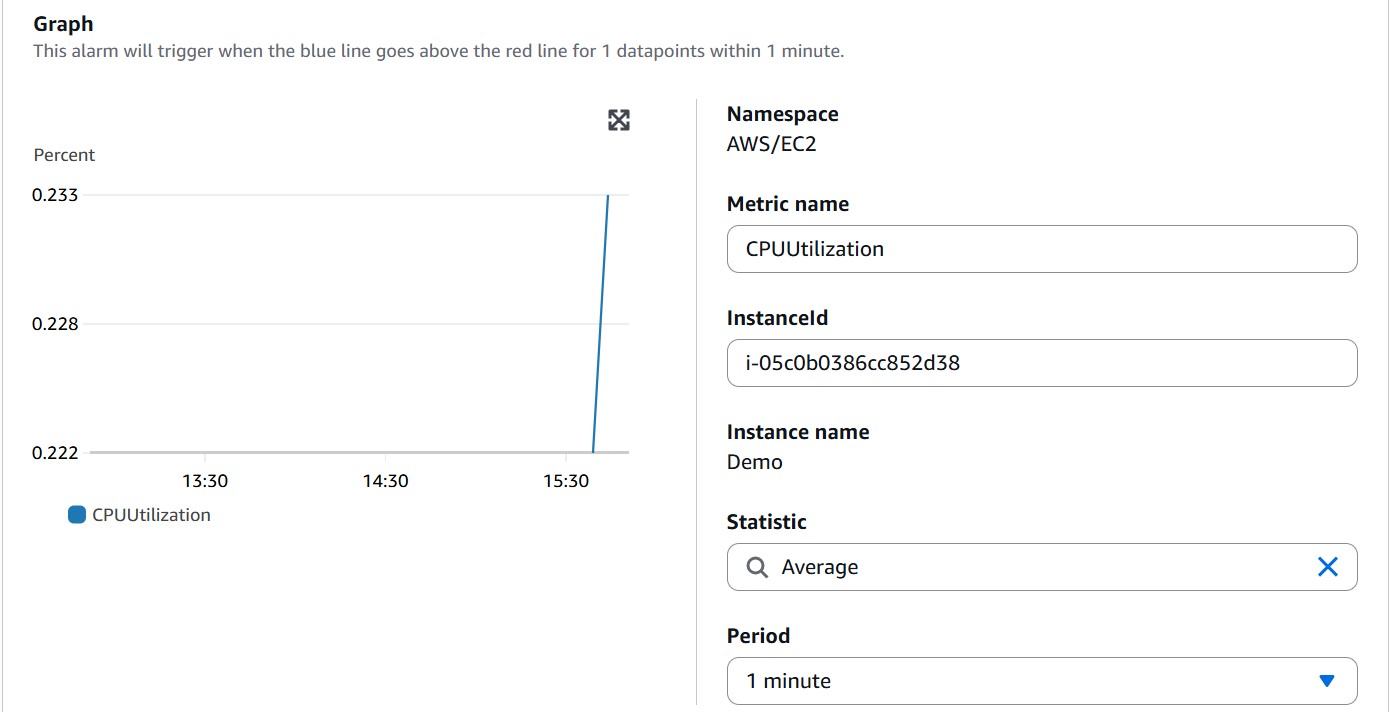
**DELIVERABLE: CONFIGURED ALERTS AND A DASHBOARD SHOWCASING METRICS**

**Creating an alert using email notification**

Search cloudwatch → Go to alarm → create alarm

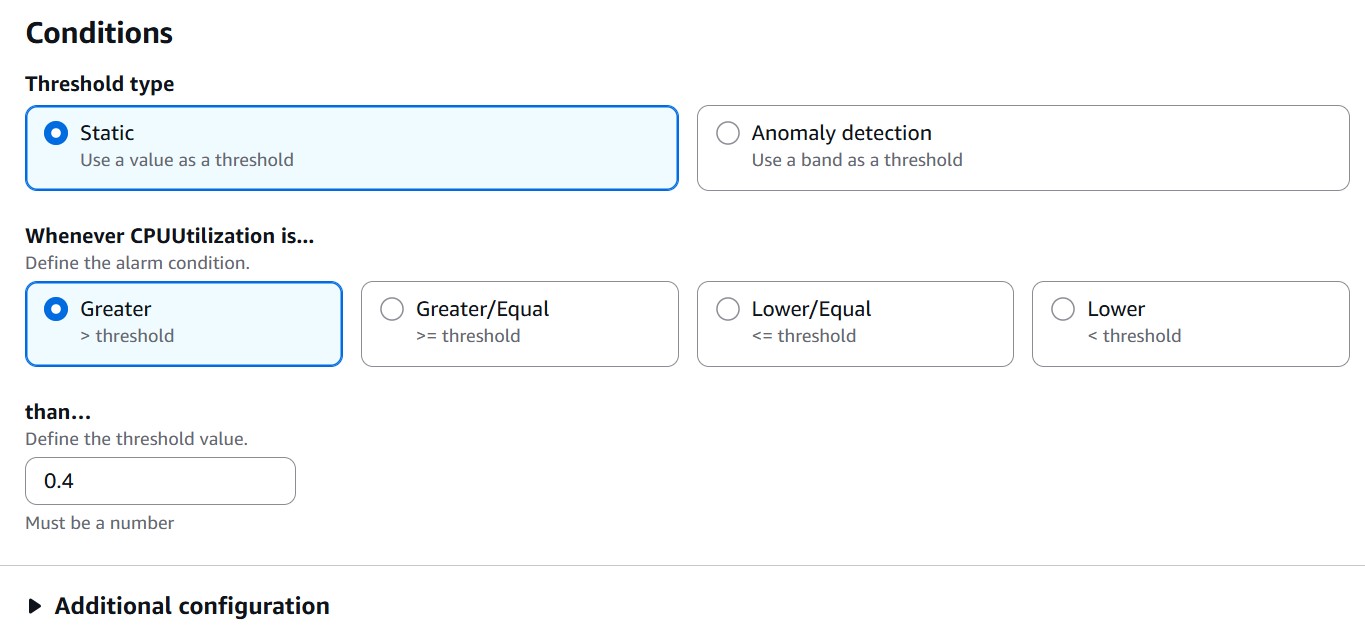


Here select metric → Go to browse →EC2 → Per-Instance Metrics → Select any instance with CPU Utilization → select metric



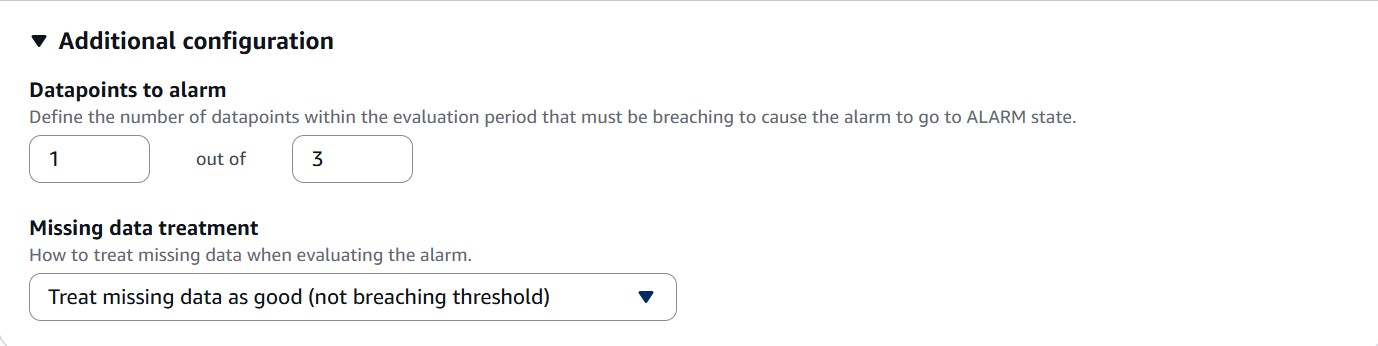
Do some change like

* Period → 1 min
* Statistic → average

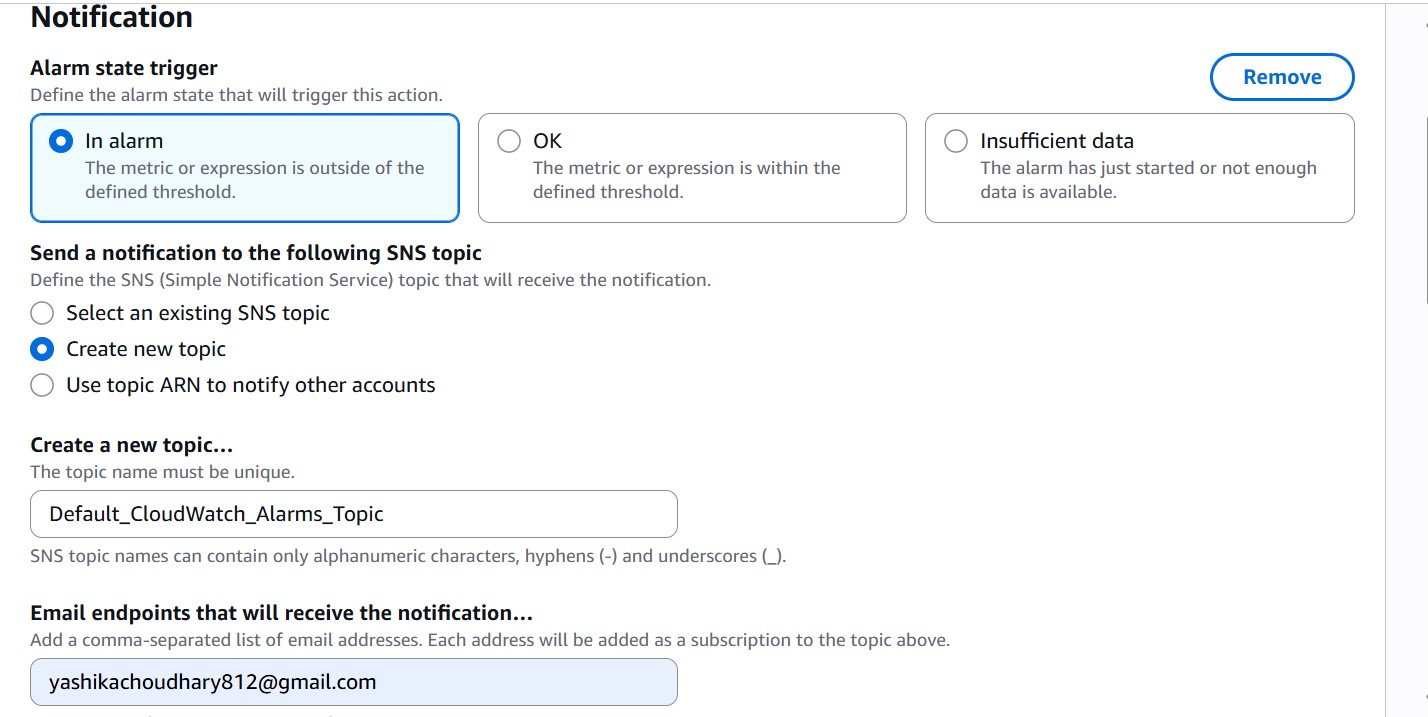


Do some change like

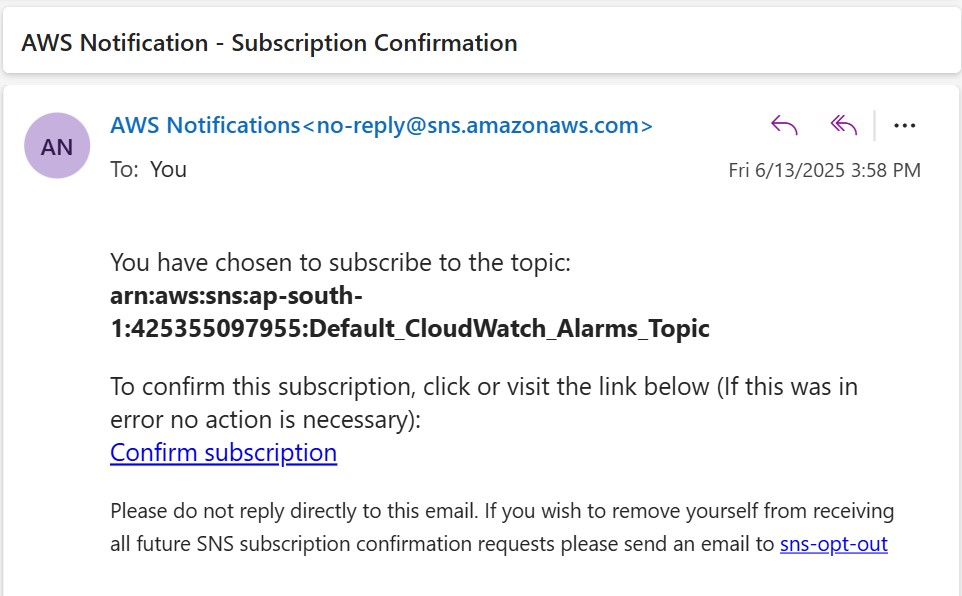
* alarm condition → Greater/Equal
* threshold value → 0.4 your chooses



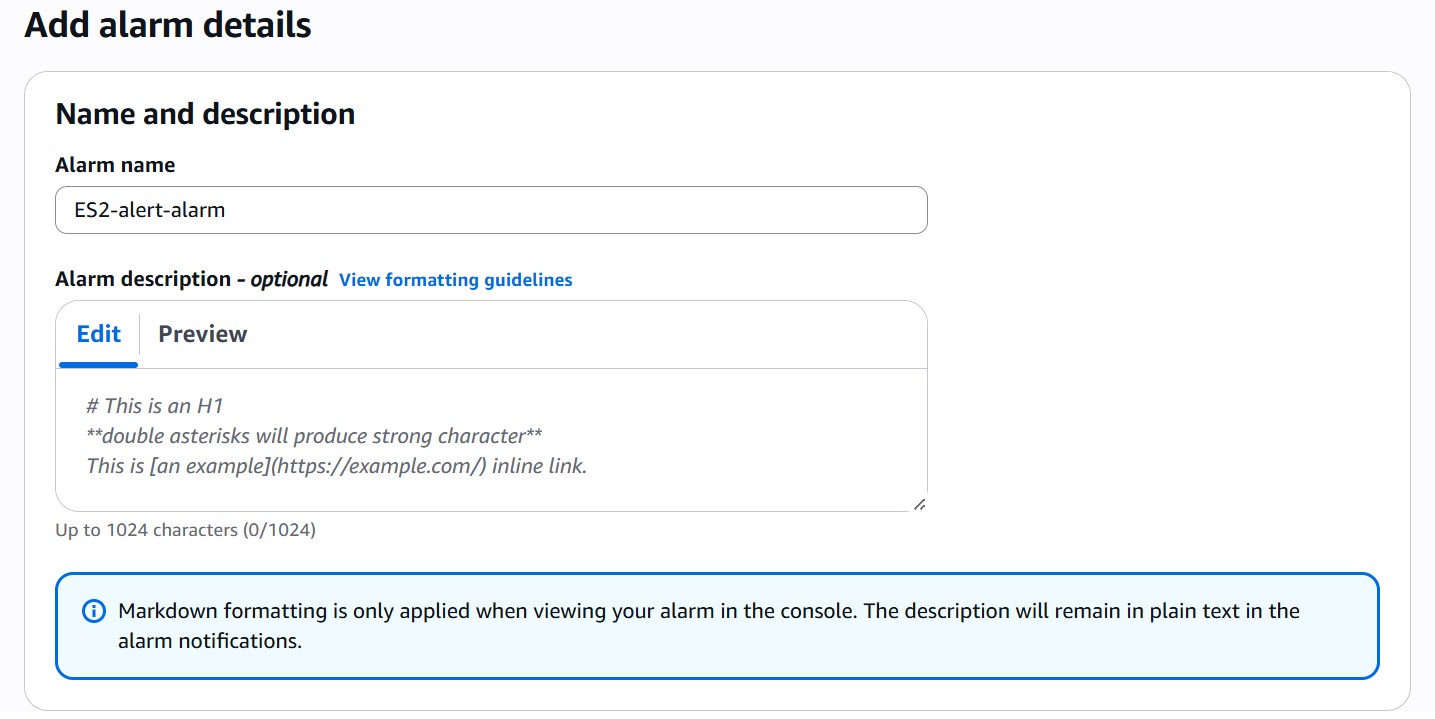
keep this as per the period for 1 min → 3 unit



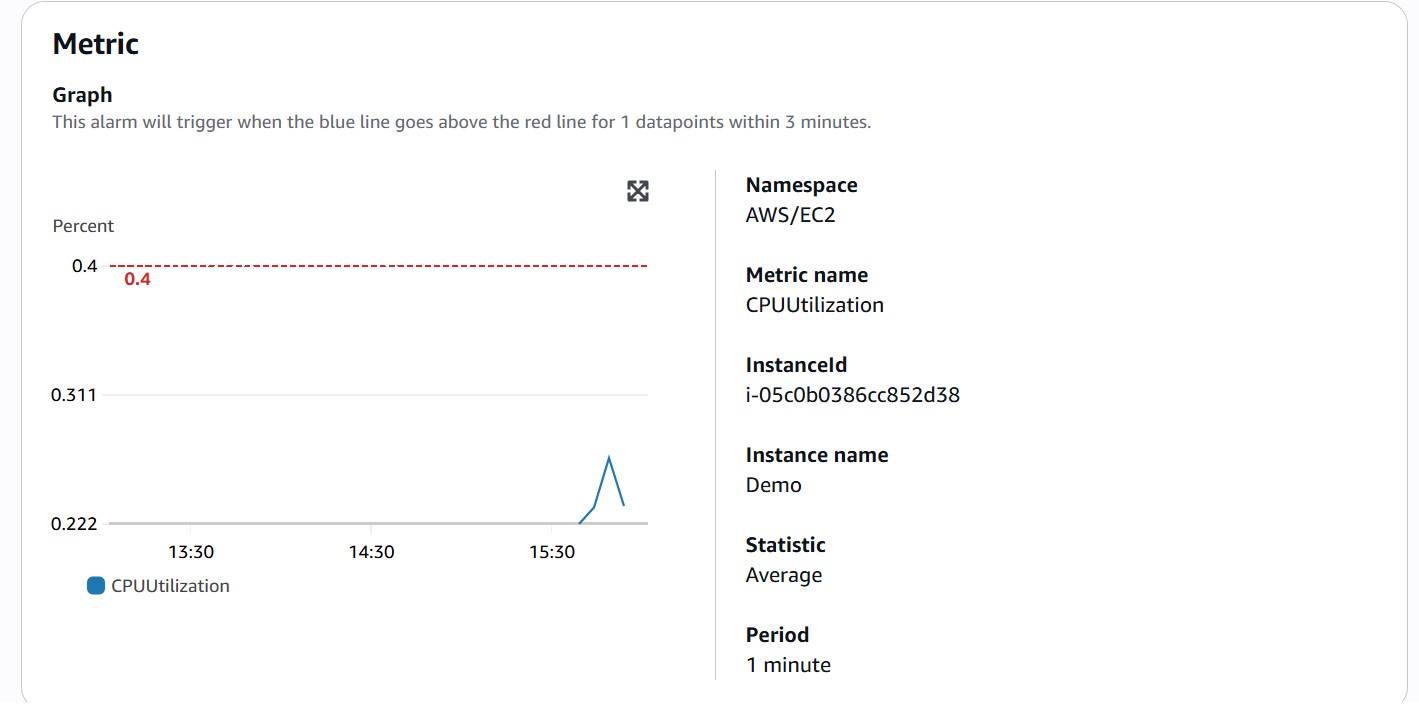
Set the notification setting



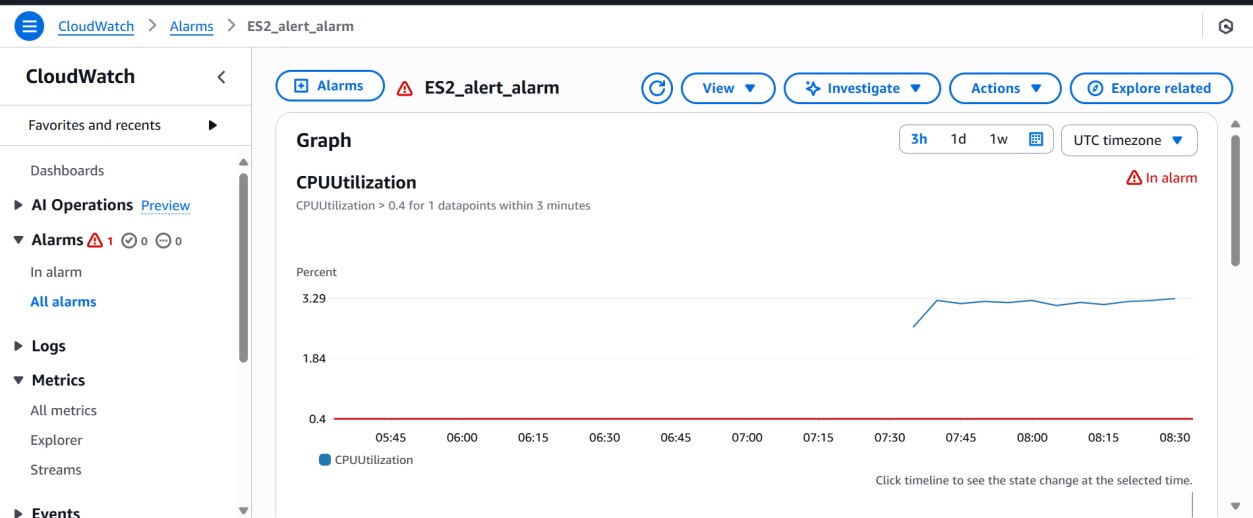
you will get an email to confirm the subscription



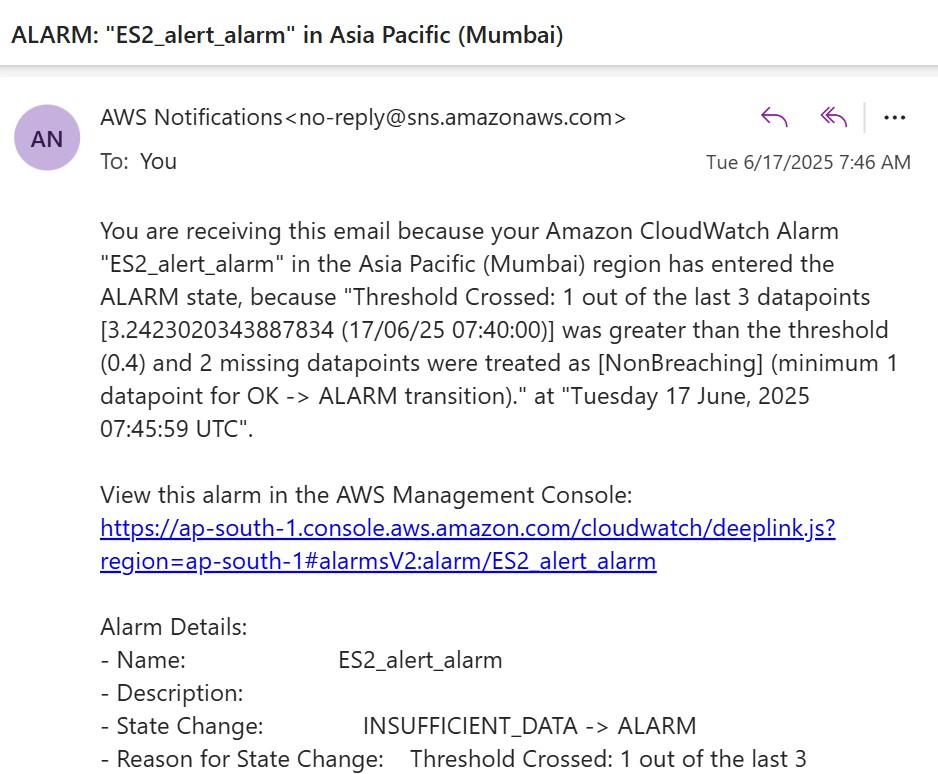
Give the name for the alarm

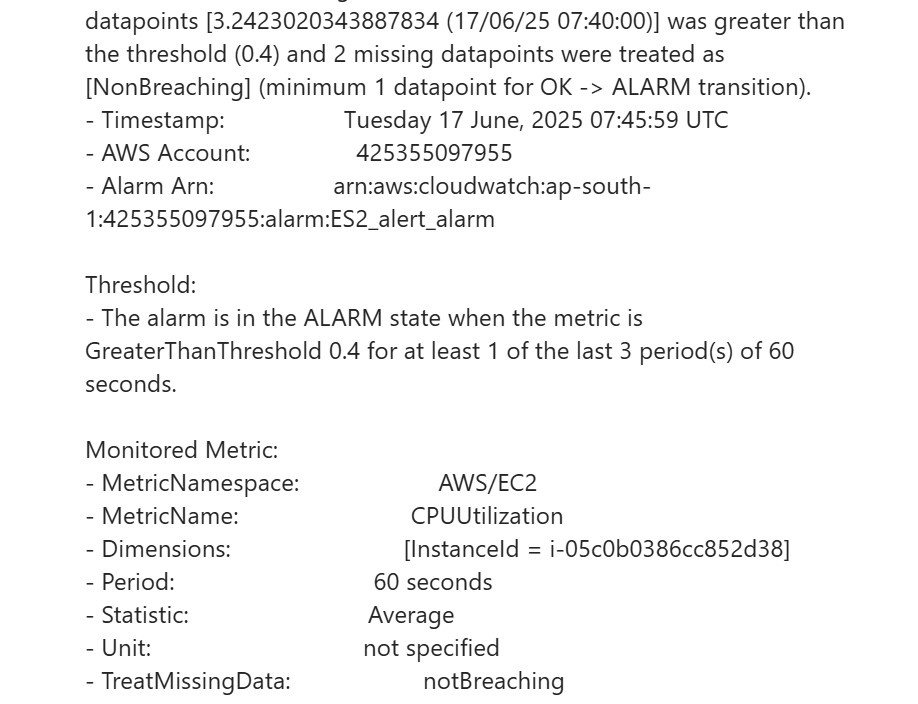


You will get a preview of all the details → click create alarm

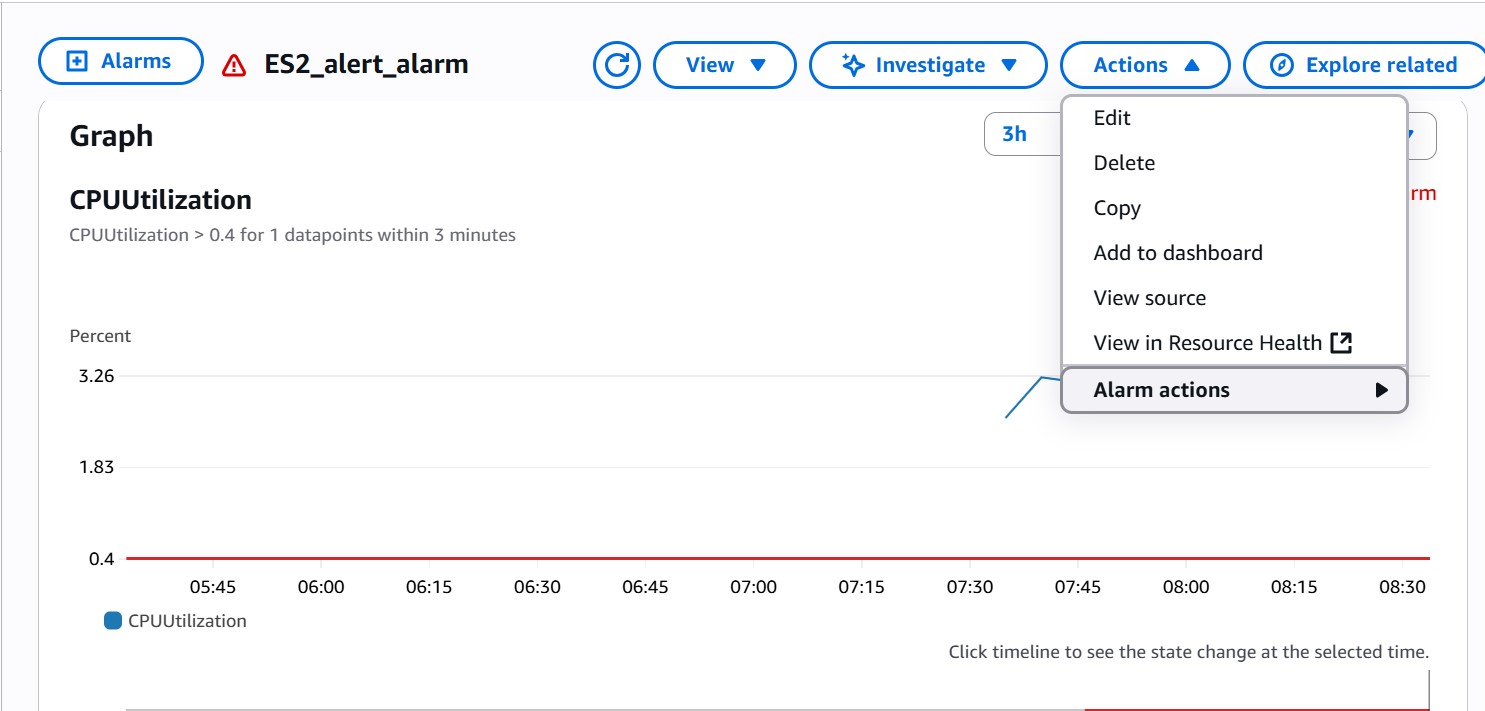


here i got an warring alarm (this will take same time)





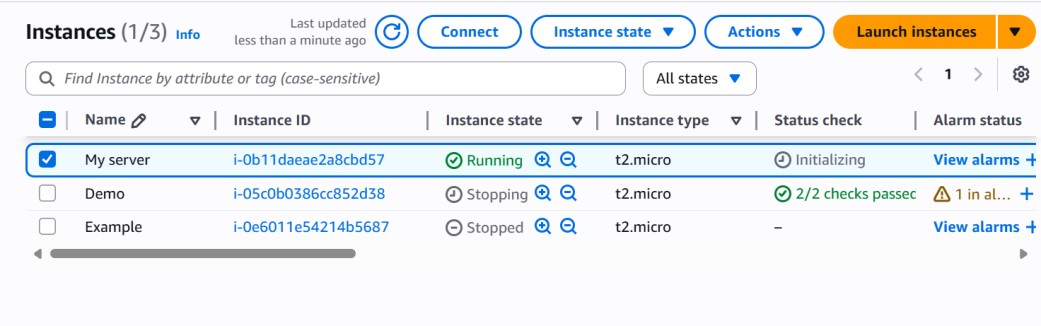
And you will also get an email for the warring as you had put notification for email



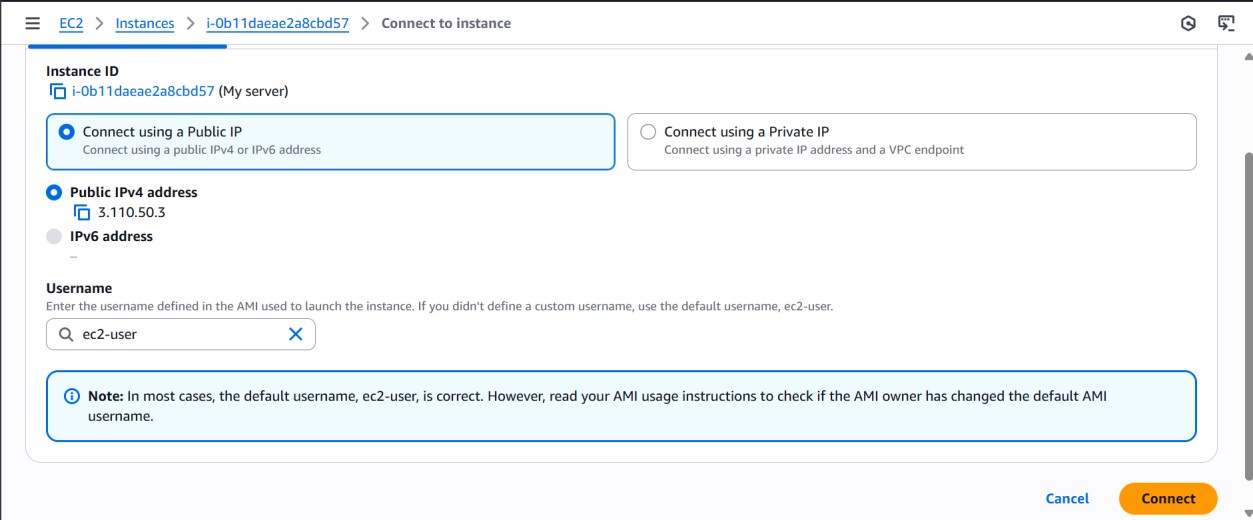
After using the Disable the alarm.

**Creating a Dashboard for an Instance that will showcase matrics**

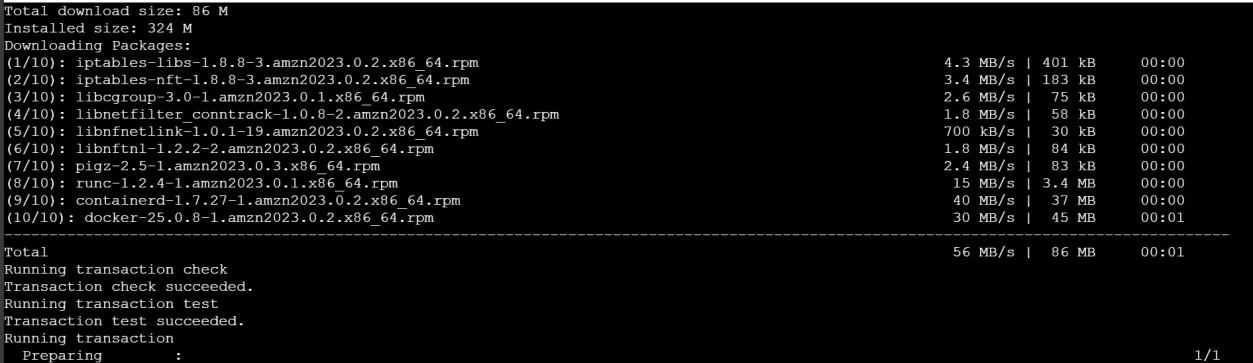
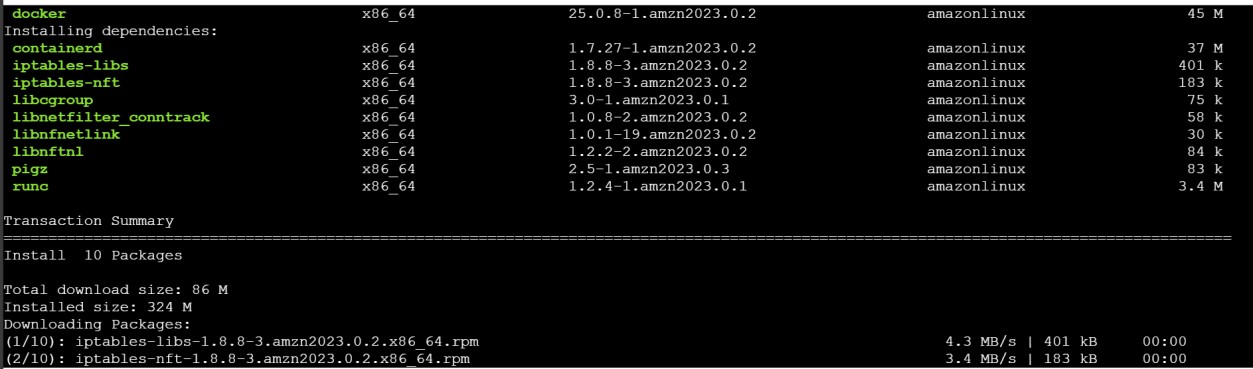
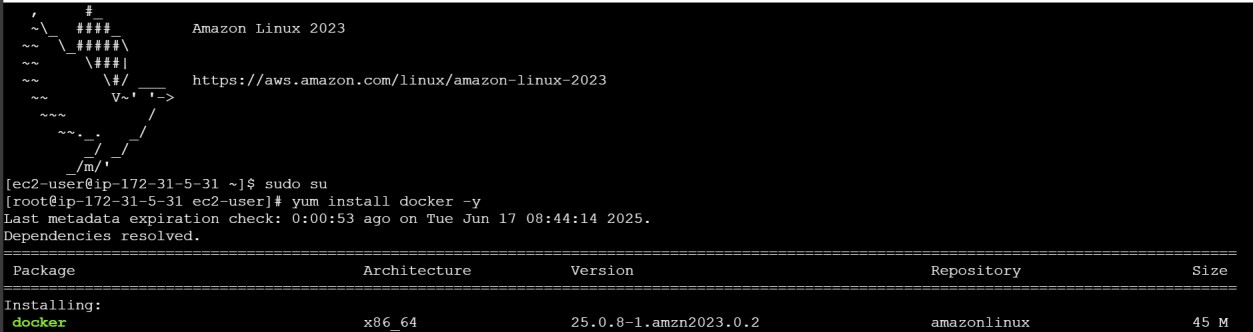
First go and start your instance



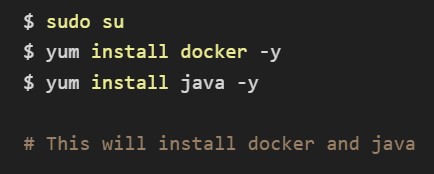
Go to connect

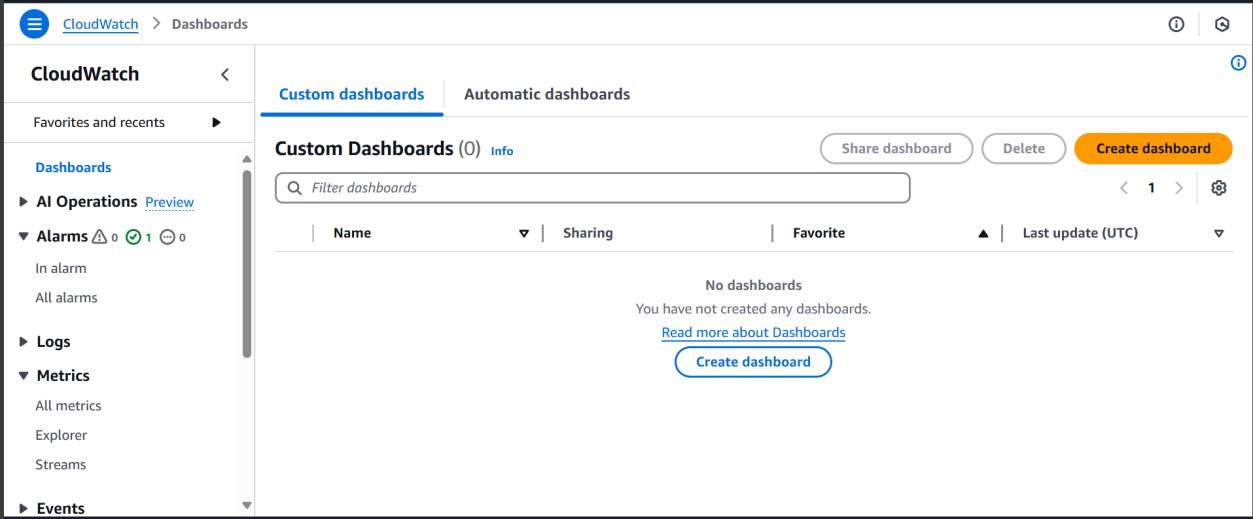


click connect

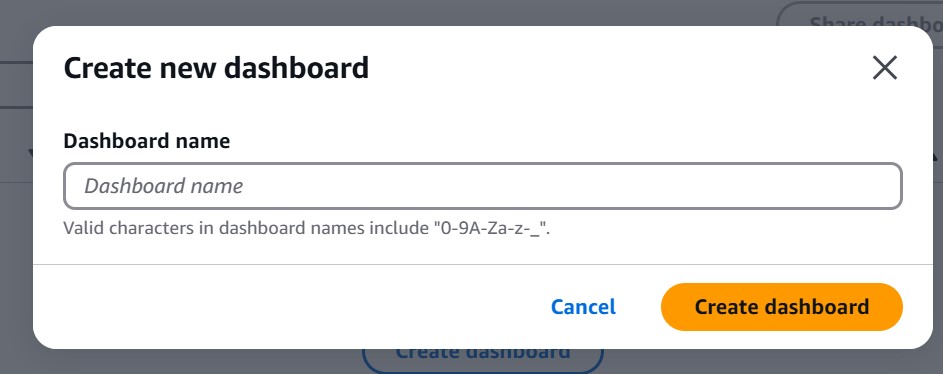


Type the following commands

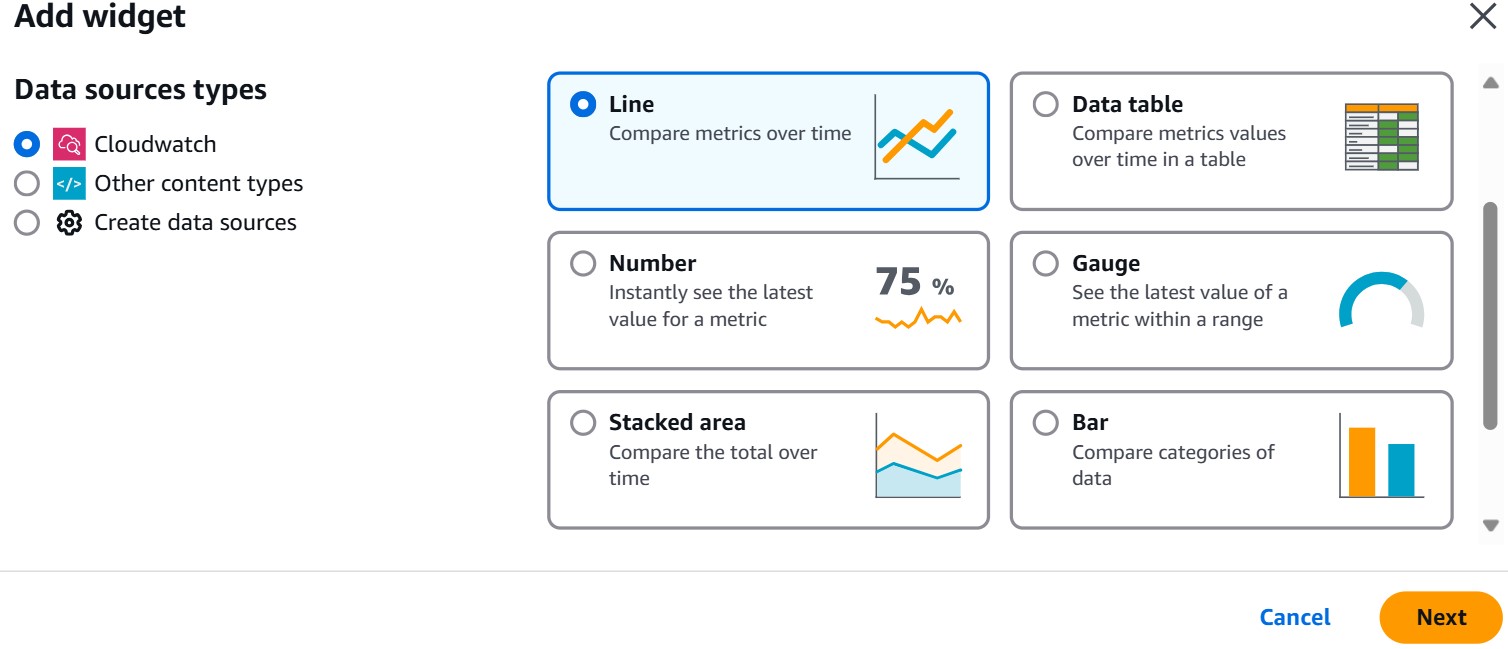




Now go to Dashboard Search Cloudwatch → right side click Dashboard. Click Create dashboard

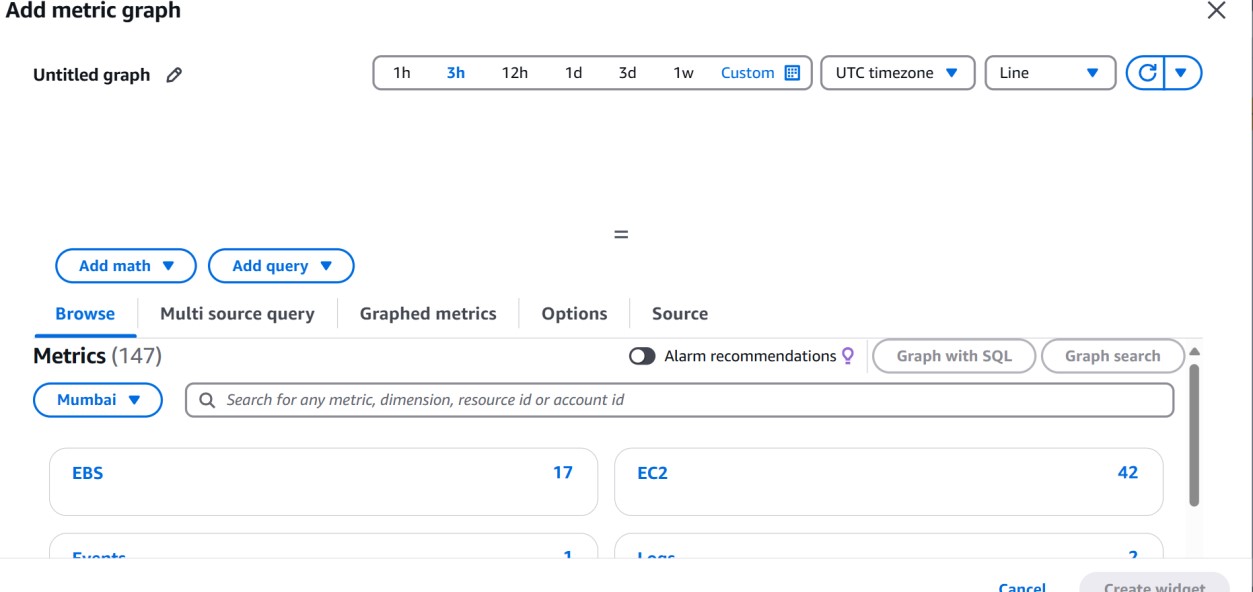


Give a name for your dashboard

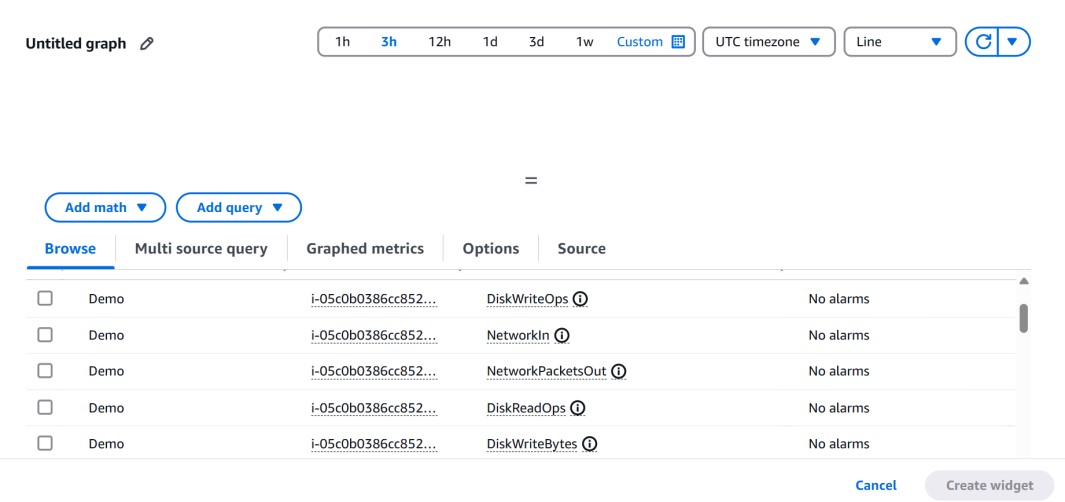


Add the type of Datatype and widget you wanted like

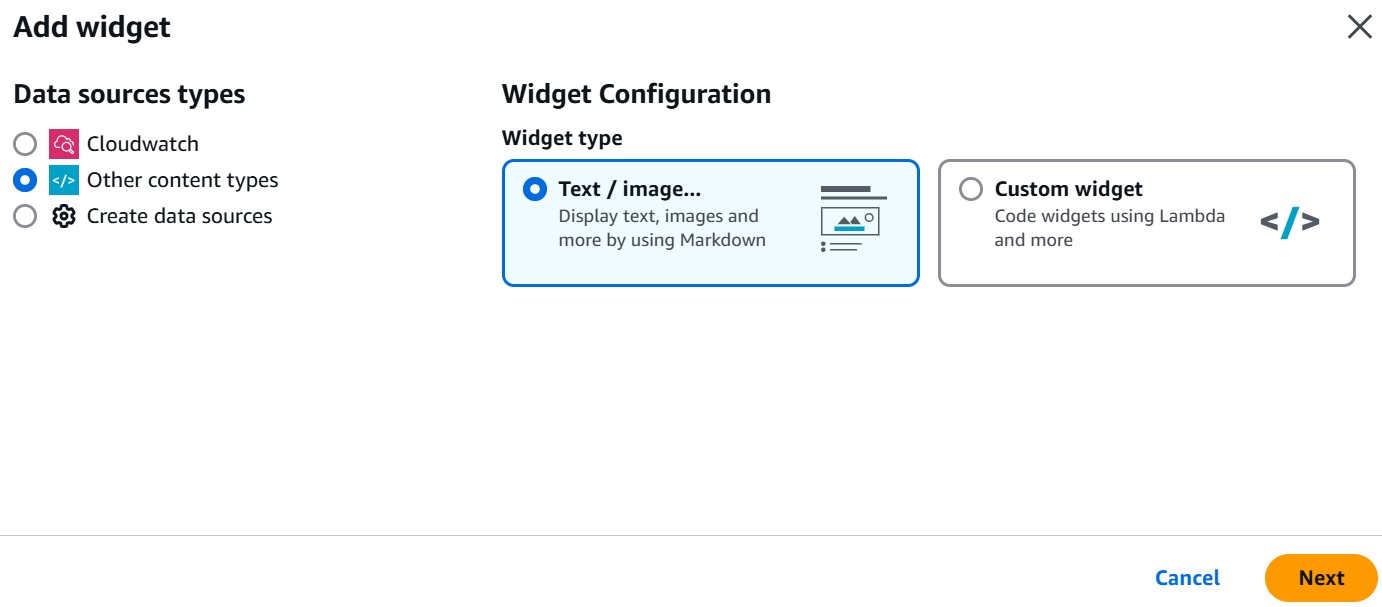
* Line Graph
* Number Graph
* Bar Graph



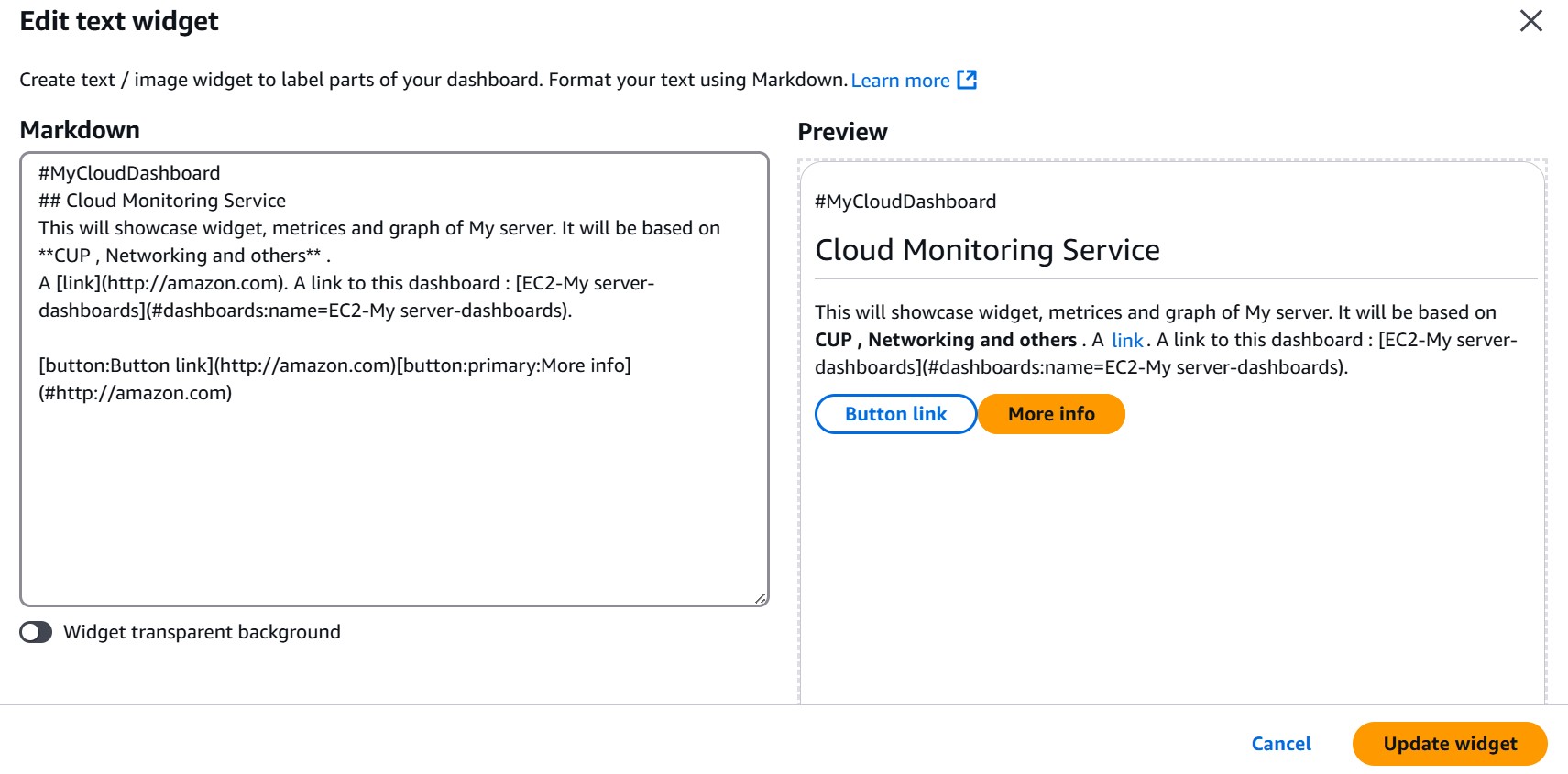
After selecting a graph then, Go to EC2 → Per-Instance Metrics



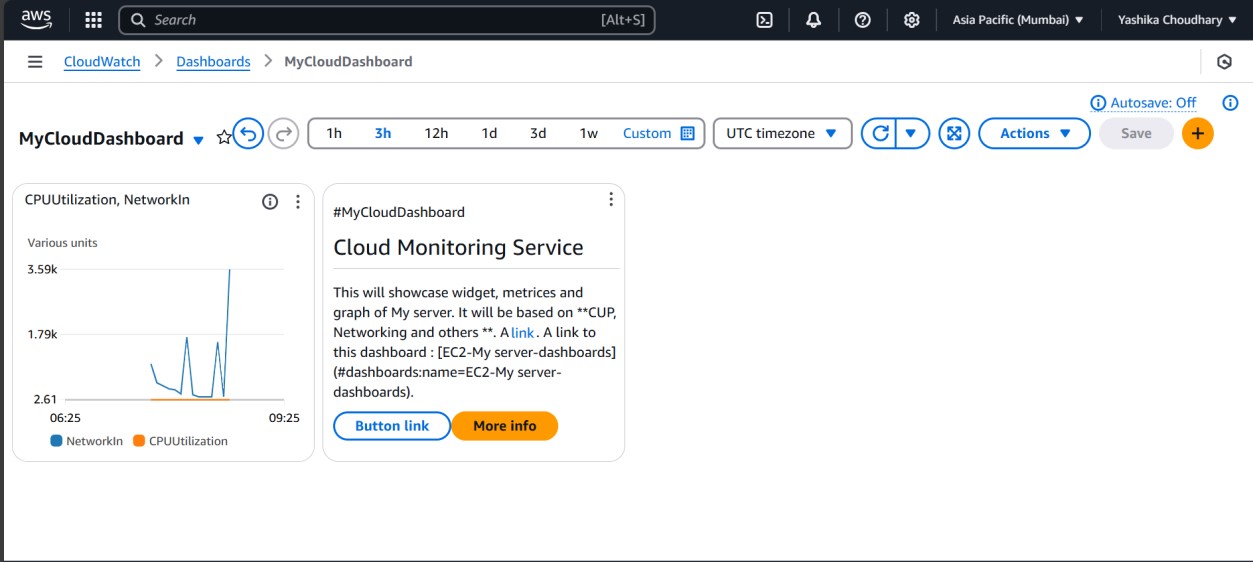
Select the type of resources you want the statistics for



You can also give a description for your Dashboard click next



Here you can edit your description what you want



This is how the Dashboard will look try doing some more computation usage to get more statistics.