CODTECH INTERNSHIP – Cloud Computing

Task-2: Cloud Monitoring and Alerts

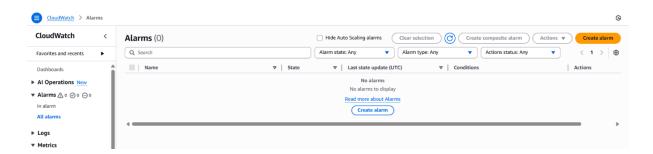
SET UP MONITORING FOR A CLOUD BASED APPLICATION USING AWS CLOUDWATCH, GOOGLE CLOUD MONITORING, OR AZURE MONITOR

DELIVERABLE: CONFIGURED ALERTS AND A DASHBOARD SHOWCASING METRICS

Steps to Complete Task:

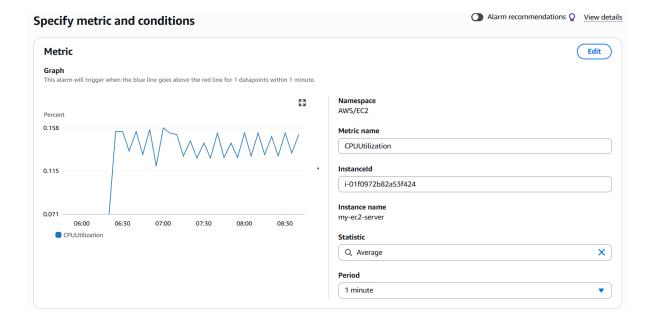
Creating an alert using email notification

Go to AWS and search Cloudwatch \rightarrow Go to Alarm \rightarrow Click on Create Alarm



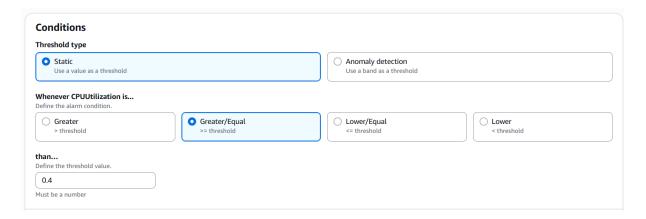
Select metric \rightarrow Go to Browse \rightarrow Select EC2 \rightarrow Select Per-Instance Metrics \rightarrow Select any Instance with CPU Utilization \rightarrow Select Metric.





Change the values:

- Period $\rightarrow 1 \text{ min}$
- Statistic → average

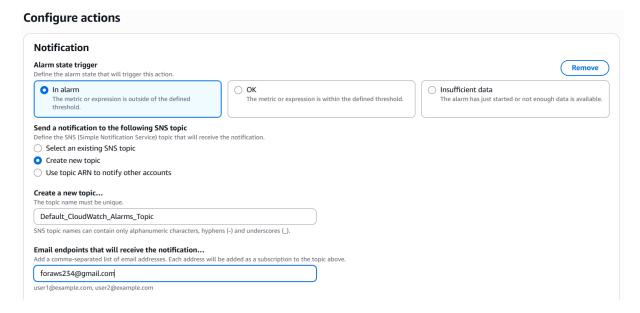


Here also, Change some Values:

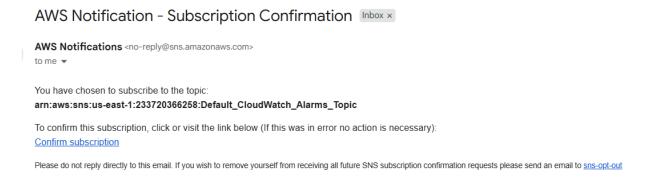
- Alarm condition → Greater/Equal
- Threshold value \rightarrow 0.4 your chooses



Set the Configure actions settings.



By completing the settings and the notification setting process.



We receives a mail to confirm the subscription.

After Confirming add Alarm Details.

Create Alarm and create Alarm name and all the details \rightarrow Click Create Alarm After Previewing all the details of alarm

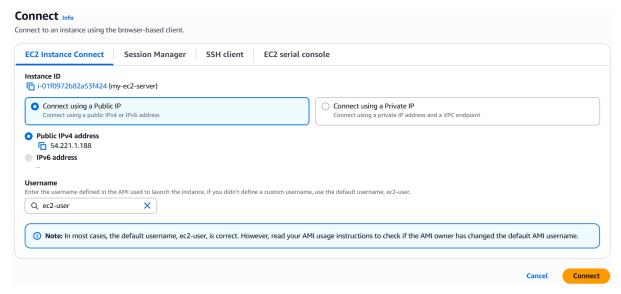
You may also get the warning alarm mail.

Creating a Dashboard for an Instance that will showcase metrics

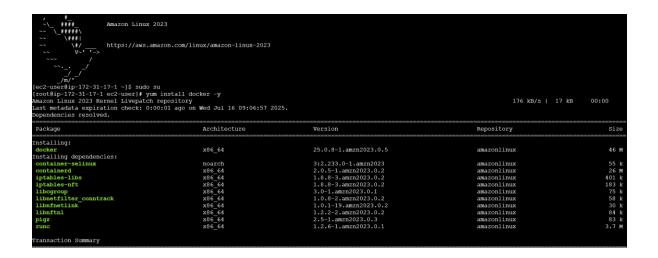
Go and Start your Instance

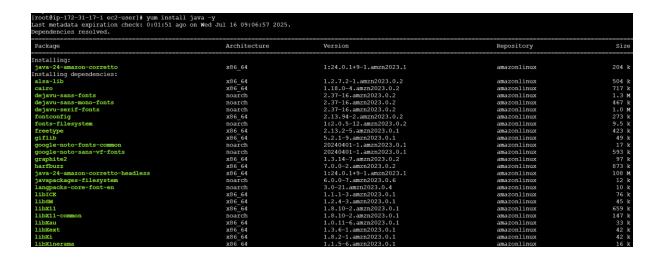


Select the Instance and Go to Connect.



Set the values and options and Click Connect.





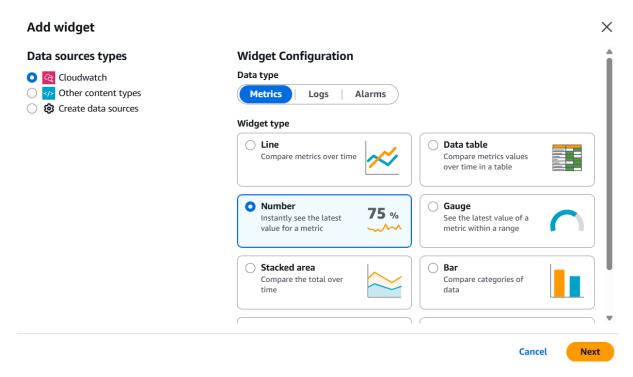
Type the following commands

```
$ sudo su
$ yum install docker -y
$ yum install java -y

# This will install docker and java
```

Search Cloudwatch and go to Dashboard → Click Create Dashboard.

Give name for your dashboard

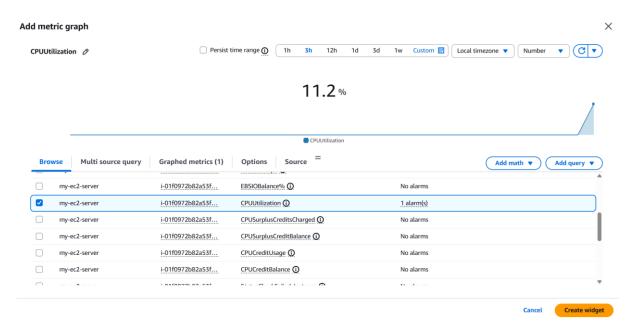


Add type of Datatype and widget you want to like

- Line Graph
- Number Graph
- Bar Graph

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

Select type of resources you want for Statistics.



You can also add the widget to the Dashboard.

