Module 3: CloudWatch Alarms Assignment

Cloud Watch Alarm Creation

Problem Statement:

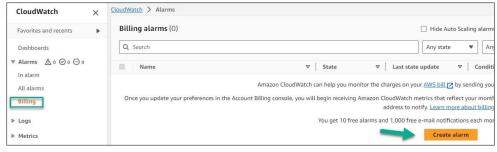
You work for XYZ Corporation. To maintain the security of the AWS account and the resources you have been asked to implement a solution that can help easily recognize and monitor the different users. Also, you will be monitoring the machines created by these users for any errors or misconfigurations.

Tasks to Be Performed:

- 1.Create a CloudWatch billing alarm that goes off when the estimated charges go above \$500.
- 2.Create a CloudWatch alarm which goes off to an Alarm state when the CPU utilization of an EC2 instance goes above 65%. Also, add an SNS topic so that it notifies the person when the threshold is crossed.

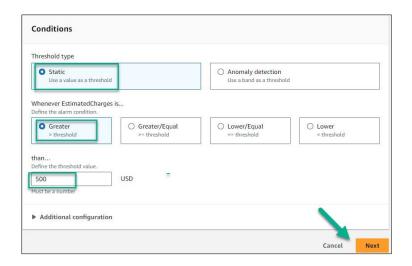
Answer

Login to the AWS Management console then search for Cloudwatch



CloudWatch → Alarms → Billing → Create Alarm





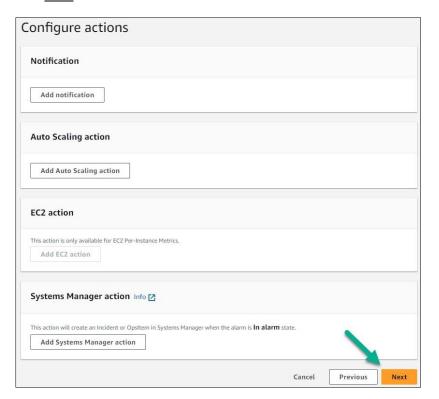
Select the conditions based on your requirement

Type: Static

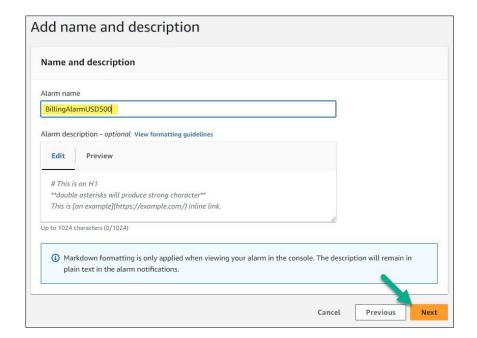
Estimated Charges: Greater than

\$500

Click Next

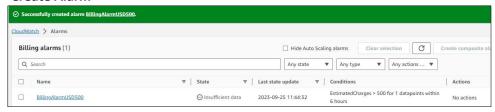


Click Next



Preview and confirm the alarm

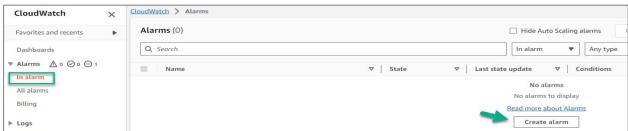
"Create Alarm"

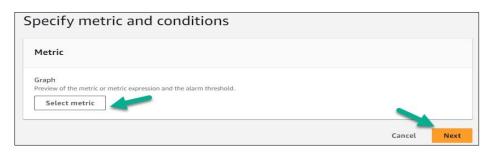


The alarm was Created successfully as per the requirement. Which will trigger the alarm when the usage of the AWS account reaches \$500.

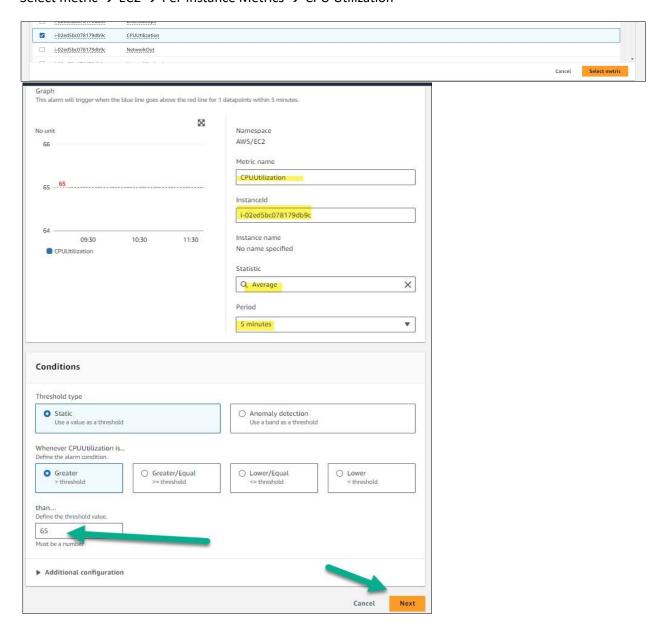
Creating an Alarm for CPU Utilization notification

CloudWatch → In Alarm → Create Alarm



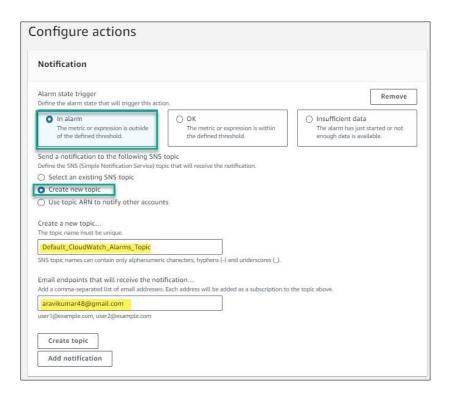


Select metric → EC2 → Per-Instance Metrics → CPU Utilization



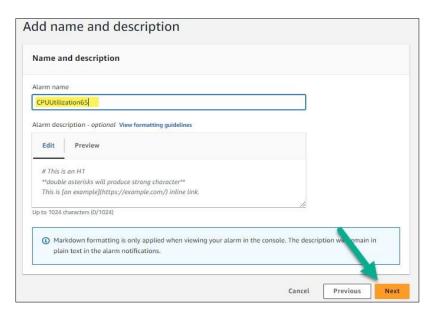
Select the threshold Greater/Equal => 65%

Click Next



I do not have an SNS topic already created so I am creating a new SNS topic, if you have already a topic just select the existing SNS topic

Click "Create Topic" Click Next



Provide the Alarm Name, Click Next

Preview and Create the Alarm



In order to get the email notifications you have to confirm the subscription from your email address

