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Cloud Watch Alarm Creation

Problem Statement:

You work for TechArkit 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:

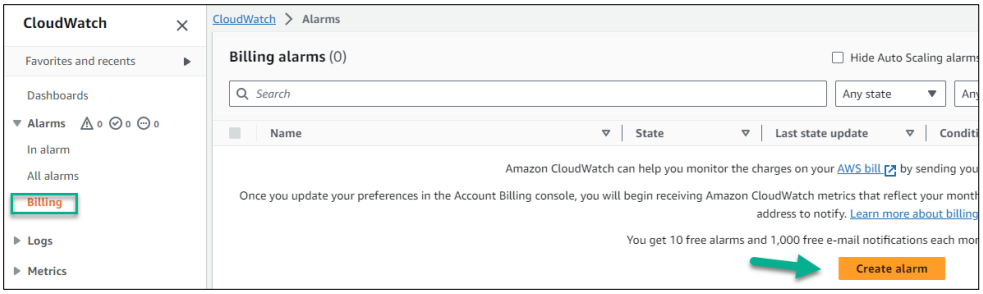
1. Create a CloudWatch billing alarm that goes off when the estimated charges go above $500.

2. Create a CloudWatch alarm which goes off to an Alarm state when the

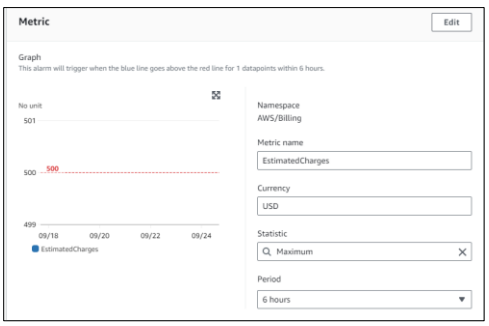
CPU utilization of an EC2 instance goes above 65%. Also, add an SNS topic so that it notifies the person when the threshold is crossed.

Answer

Login to the AWS Management console then search for Cloudwatch



CloudWatch → Alarms → Billing → Create Alarm



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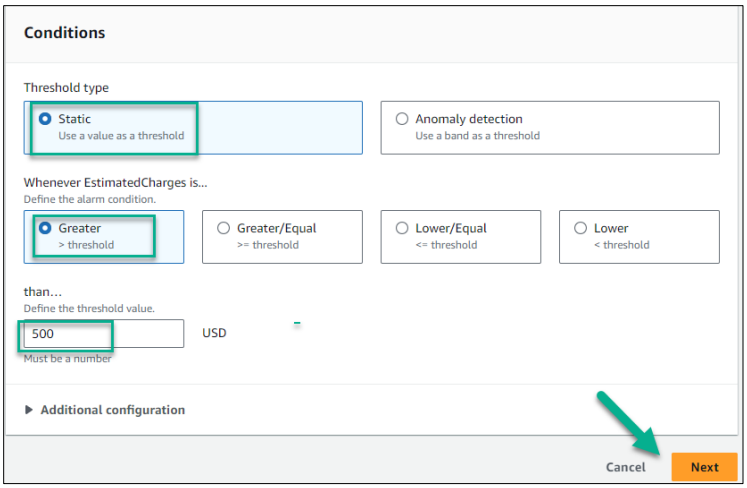


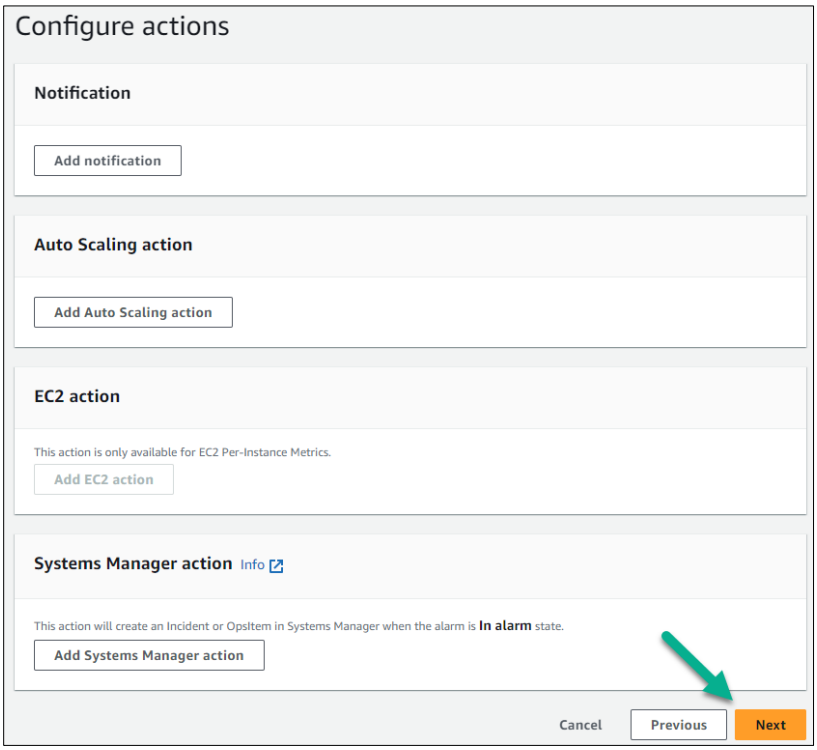
Select the conditions based on your requirement

Type: Static

Estimated Charges: Greater than

$500

Click **Next**



Click **Next**

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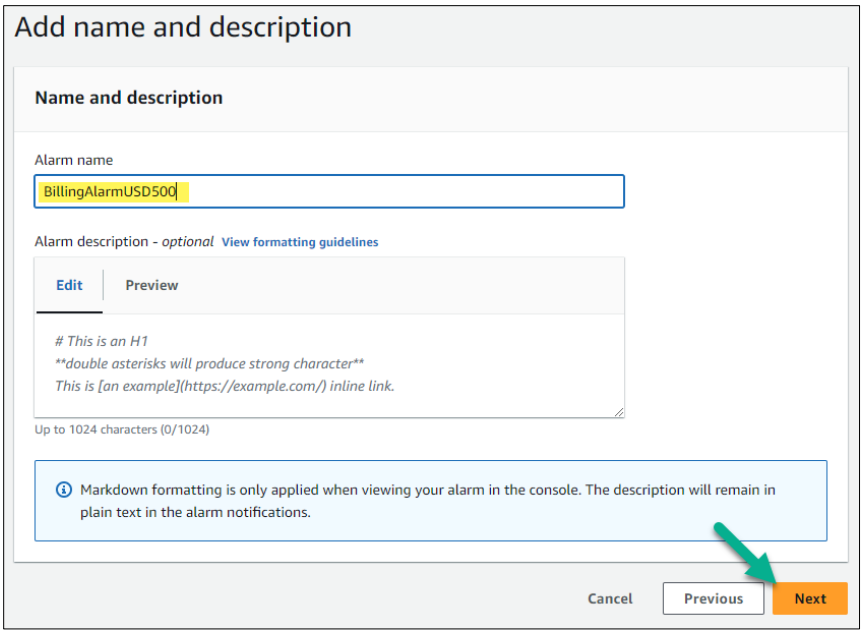
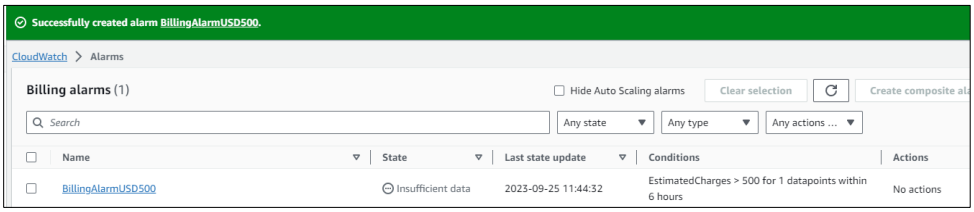


Preview and confirm the alarm

"**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

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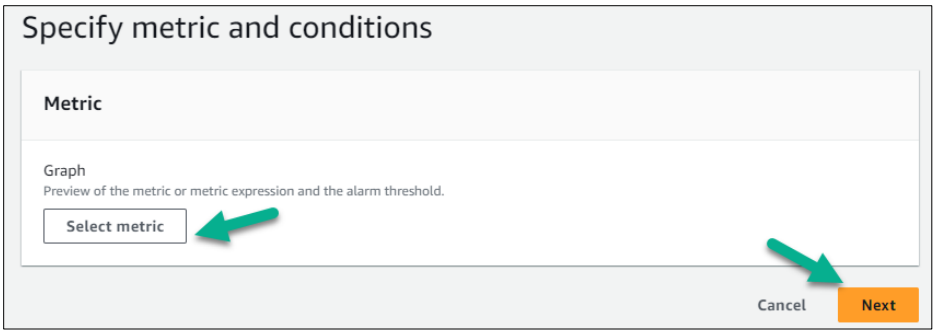
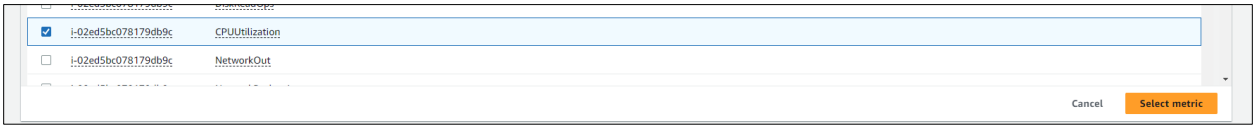


Select metric → EC2 → Per-Instance Metrics → CPU Utilization



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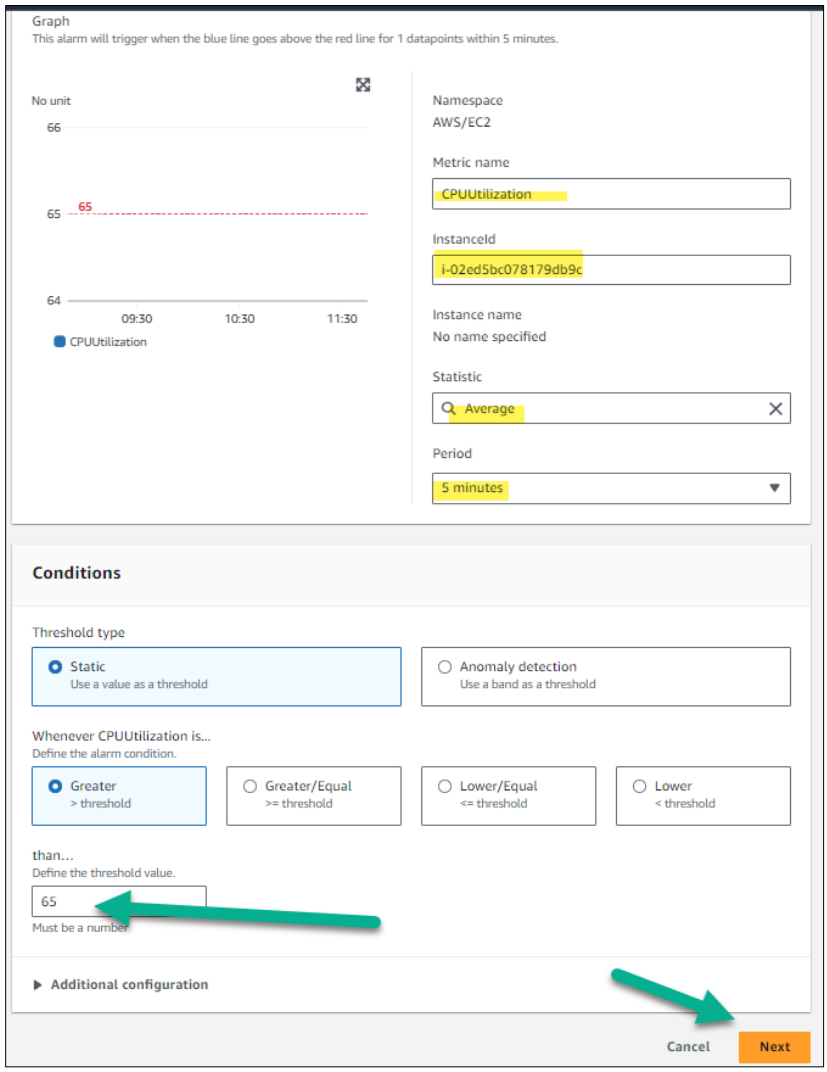

Select the threshold Greater/Equal => 65%

Click **Next**

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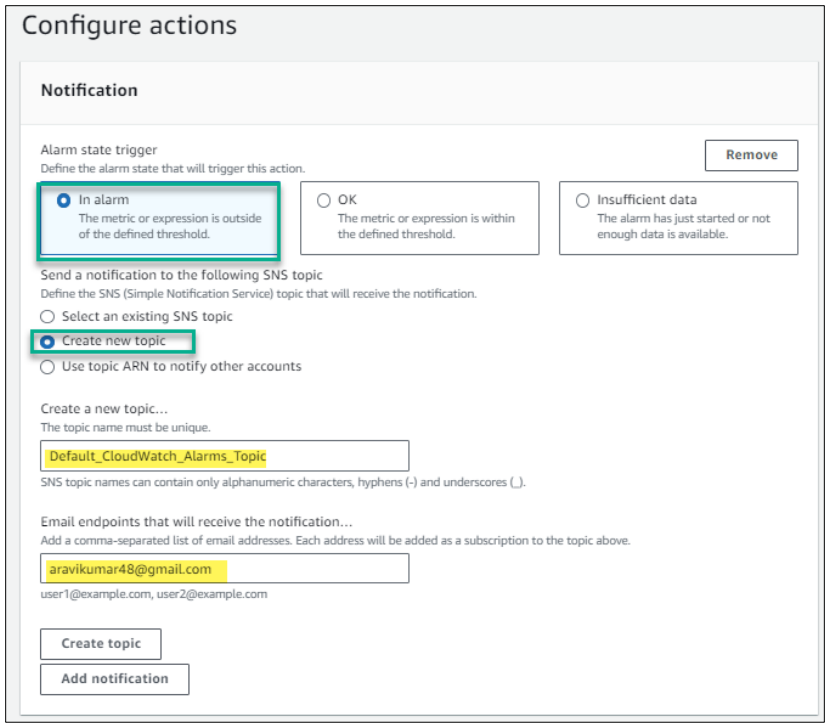
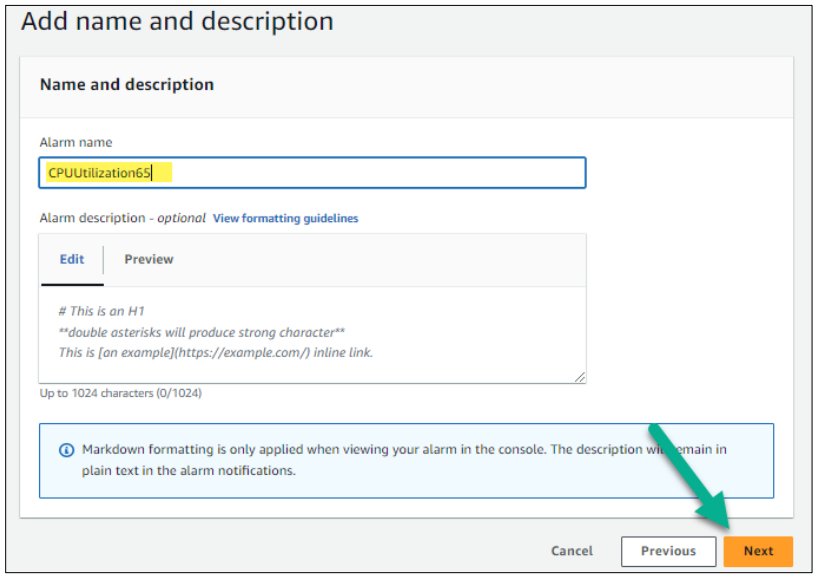


I do not have an SNS topic already created so I am creating a new SNS topic, if you have already a topic just select the existing SNS topic

Click "**Create Topic**"

Click **Next**



Provide the Alarm Name, Click **Next**

Preview and Create the Alarm

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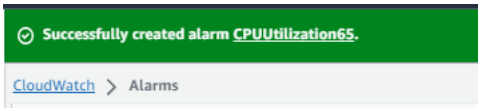
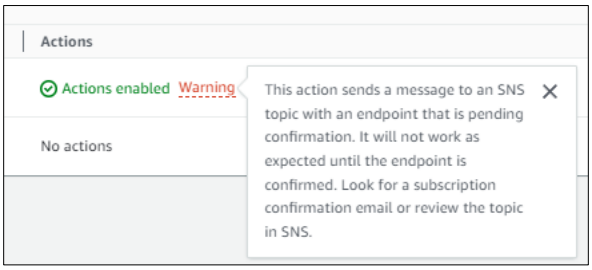


In order to get the email notifications you have to confirm the subscription from your email address



Foundations of Cloud Computing

- AWS Certified Cloud Practitioner
- The Cloud
- 6 Advantages of Cloud
- Cloud Deployment Models
- AWS Global Infrastructure
- AWS Free Tier Account

Technology

- AWS Cloud Compute
- AWS Lambda Function-as-a-service
- AWS Fargate
- What is CDN
- AWS S3
- AWS Storage Services
- AWS CloudFront
- AWS VPC
- AWS Networking Services
- How to Launch First EC2 instance
- AWS Database Services Deep Dive
- AWS Migration Services
- AWS Analytics Services