CREATE ALARM IN CLOUDWATCH

STEP 1: TO CHECK FIRST EC2 INSTANCE IS RUNNING MODE ON

STEP 2: GO TO CLOUDWATCH CONSOLE

STEP 3: GO TO METRICS IN CLOUDWATCH

STEP 4: CLICK ON EC2 IN METRICS

STEP 5: COPYING RUNNING EC2 INSTANCE ID AND PASTE IT IN METRICS

STEP 6: CLICK CPU UTILIZATION AND CREATE ALARM WHEATHER CPU UTILIZATION IS MORE THAN 80 THRESHOLD THEN THE ALARM IS RAISED – I WILL SETUP THIS CONDITION FOR CREATE ALARM
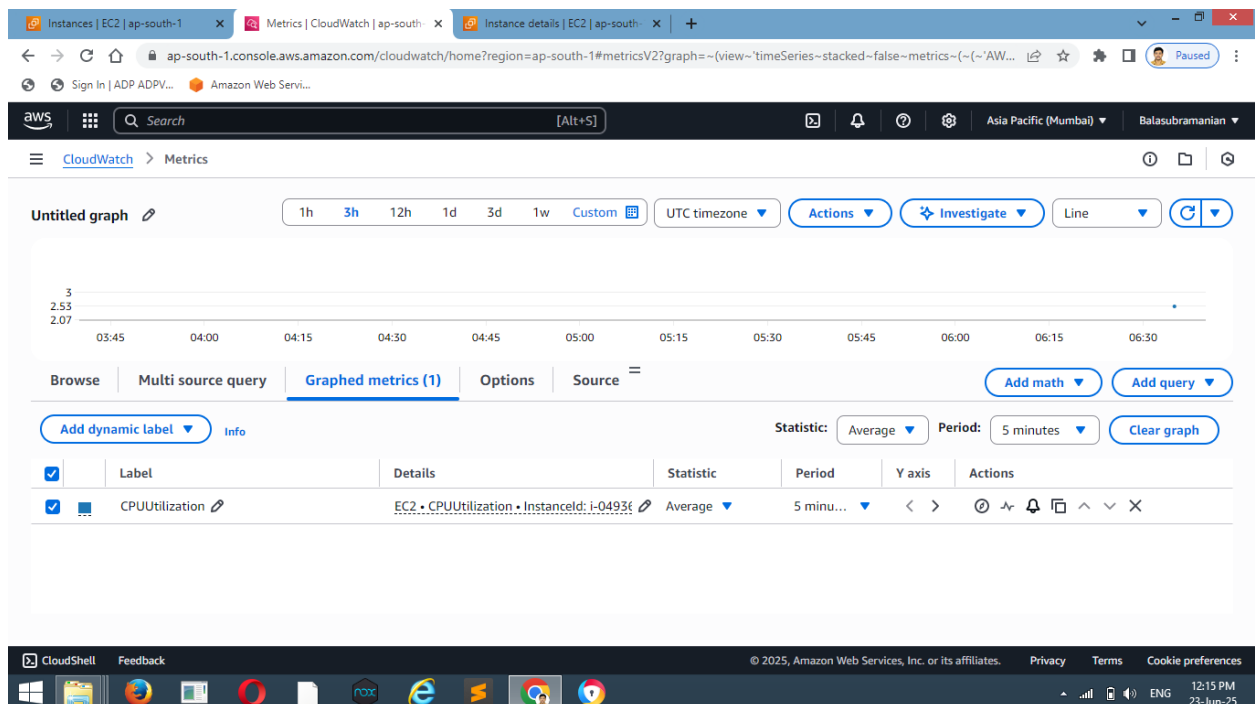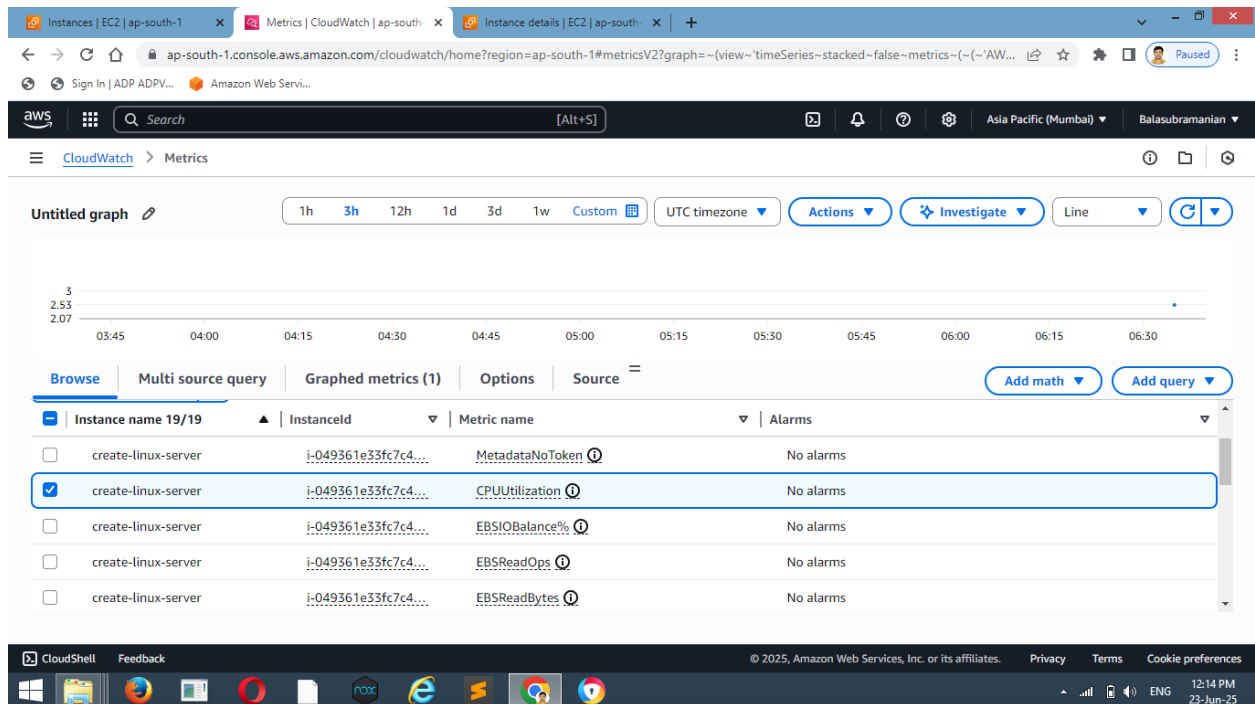
Instances | EC2 | ap-south-1   Create alarm | Alarms | CloudWat   Instance details | EC2 | ap-south-

ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#alarmsV2:create?~(Page~'MetricSelection~AlarmType~'MetricAlarm~Al...

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CloudWatch › Alarms › Create alarm

Specify metric and conditions

- ● Specify metric and conditions
- Step 2
- ○ Configure actions
- Step 3
- ○ Add alarm details
- Step 4
- ○ Preview and create

Metric   Edit

Graph

This alarm will trigger when the blue line goes above the red line for 1 datapoints within 5 minutes.

Percent

3

2.53 •

2.07

   04:30   05:30   06:30

● CPUUtilization

Namespace
AWS/EC2

Metric name
CPUUtilization

InstanceId
i-049361e33fc7c43c9

Instance name
create-linux-server

Statistic
🔍 Average   ✕

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Instances | EC2 | ap-south-1   Create alarm | Alarms | CloudWat   Instance details | EC2 | ap-south-

ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#alarmsV2:create?~(Page~'MetricSelection~AlarmType~'MetricAlarm~Al...

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CloudWatch › Alarms › Create alarm

04:30   05:30   06:30

● CPUUtilization

create-linux-server

Statistic
🔍 Average   ✕

Period
5 minutes ▼

Conditions

Threshold type

- ● Static
  Use a value as a threshold
- ○ Anomaly detection
  Use a band as a threshold

Whenever CPUUtilization is...
Define the alarm condition.

- ● Greater
  > threshold
- ○ Greater/Equal
  >= threshold
- ○ Lower/Equal
  <= threshold
- ○ Lower
  < threshold

than...

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ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#alarmsV2:create?~(Page~'MetricSelection~AlarmType~'MetricAlarm~Al...

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CloudWatch > Alarms > Create alarm

Threshold type

- ● **Static**
  Use a value as a threshold
- ○ **Anomaly detection**
  Use a band as a threshold

Whenever CPUUtilization is...
Define the alarm condition.

- ● **Greater**
  > threshold
- ○ **Greater/Equal**
  >= threshold
- ○ **Lower/Equal**
  <= threshold
- ○ **Lower**
  < threshold

than...
Define the threshold value.

```
80
```
Must be a number

▶ **Additional configuration**

Cancel   Next

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ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#alarmsV2:create?~(Page~'Actions~AlarmType~'MetricAlarm~AlarmDat...

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CloudWatch > Alarms > Create alarm

● **Configure actions**

Step 3
○ Add alarm details

Step 4
○ Preview and create

Notification

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

- ● **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

Send a notification to...

```
Q  balatopic                                            ✕
```

Only topics belonging to this account are listed here. All persons and applications subscribed to the selected topic will receive notifications.

Email (endpoints)
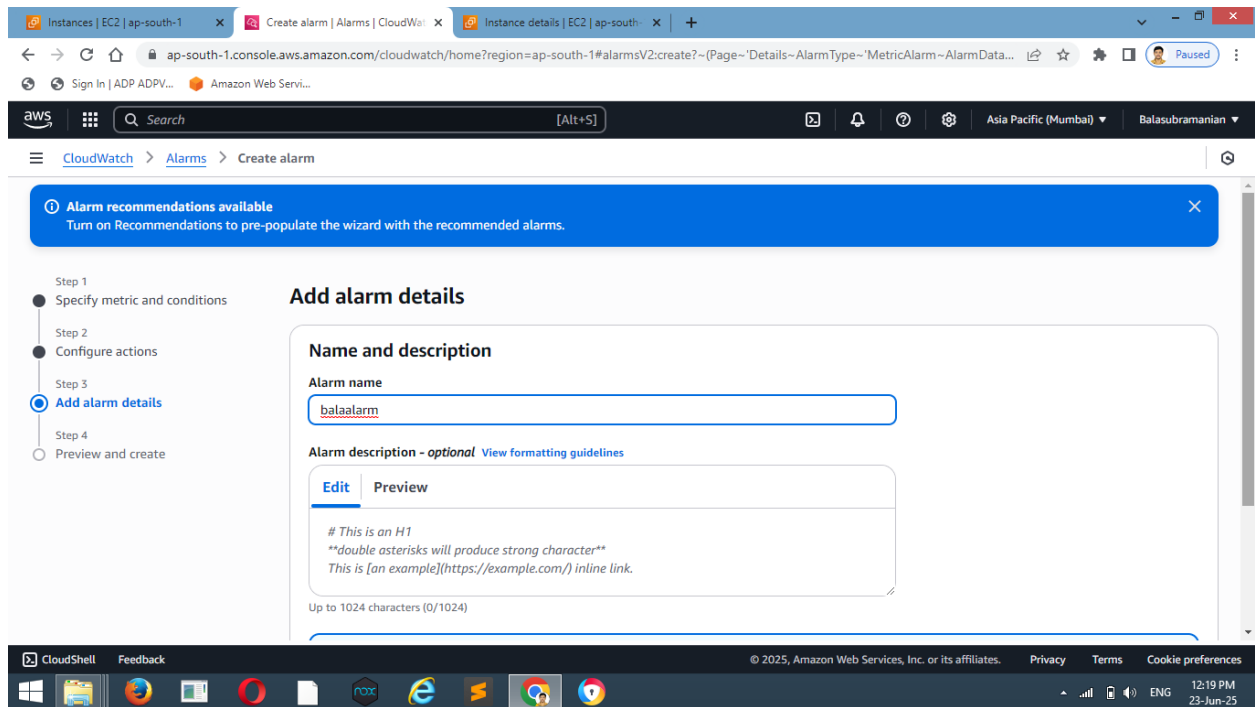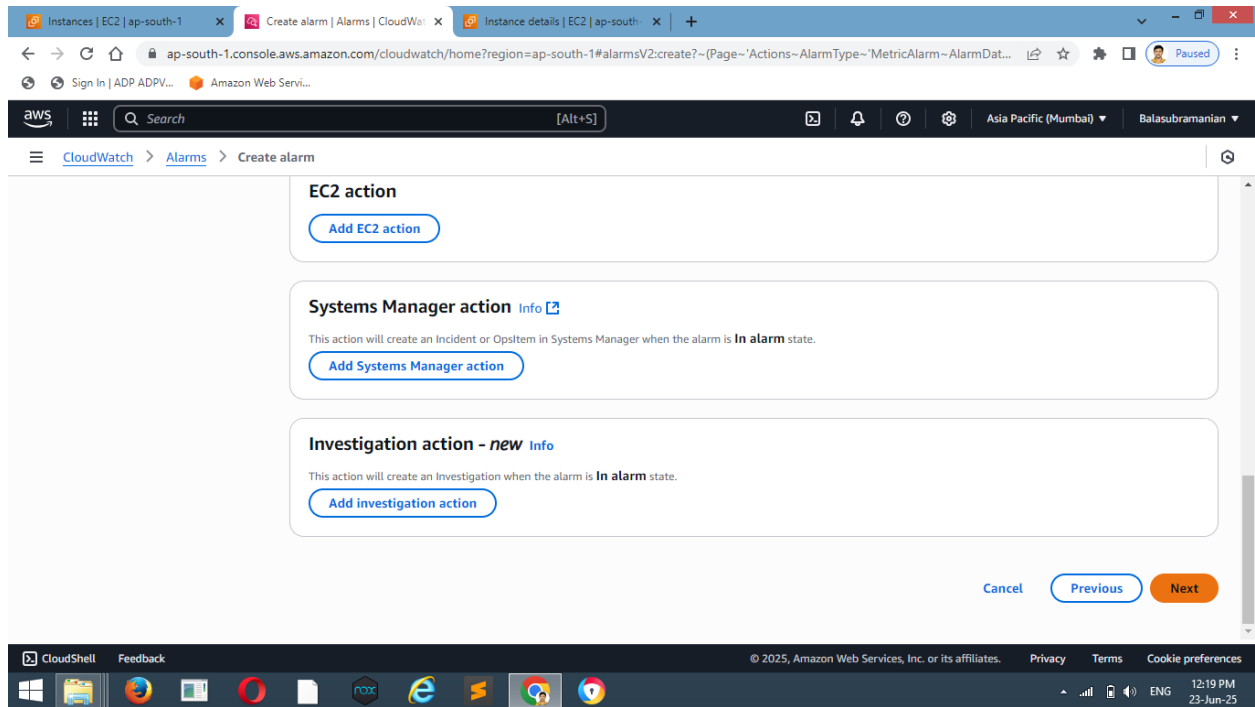**arn:aws:sqs:ap-south-1:524522255989:balaqueue** and 1 more - View in SNS Console ↗

Add notification

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CloudWatch > Alarms > Create alarm

EC2 action

Add EC2 action

Systems Manager action Info ↗

This action will create an Incident or OpsItem in Systems Manager when the alarm is **In alarm** state.

Add Systems Manager action

Investigation action - *new* Info

This action will create an Investigation when the alarm is **In alarm** state.

Add investigation action

Cancel   Previous   Next

Q Search   [Alt+S]

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CloudWatch > Alarms > Create alarm

ⓘ **Alarm recommendations available**
Turn on Recommendations to pre-populate the wizard with the recommended alarms.

Step 1
● Specify metric and conditions

Step 2
● Configure actions

Step 3
◉ **Add alarm details**

Step 4
○ Preview and create

Add alarm details

Name and description

Alarm name

balaalarm

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)

Step 1: Specify metric and conditions

Edit

Metric

Graph

This alarm will trigger when the blue line goes above the red line for 1 datapoints within 5 minutes.

Percent

80 --
      80

41.3

2.53
        04:30   05:30   06:30
   CPUUtilization

Namespace
AWS/EC2

Metric name
CPUUtilization

InstanceId
i-049361e33fc7c43c9

Instance name
create-linux-server

Statistic
Average

Period
5 minutes

Step 2: Configure actions

Edit

Actions

Notification
When In alarm, send a notification to "balatopic"

Step 3: Add alarm details

Edit

Alarm details

Name
balaalarm

Description
-

Cancel   Previous   Create alarm

STEP 7: FINALLY CREATED ALARM IN CLOUDWATCH SUCCESSFULLY