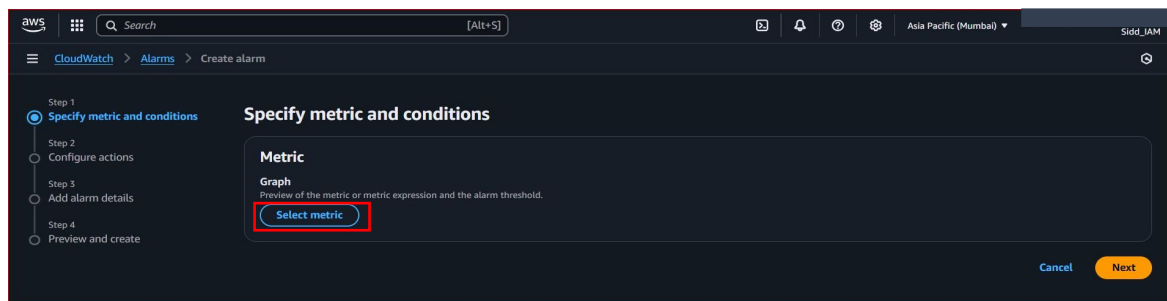# Set Alarm for CPU  Utilization to an instance :
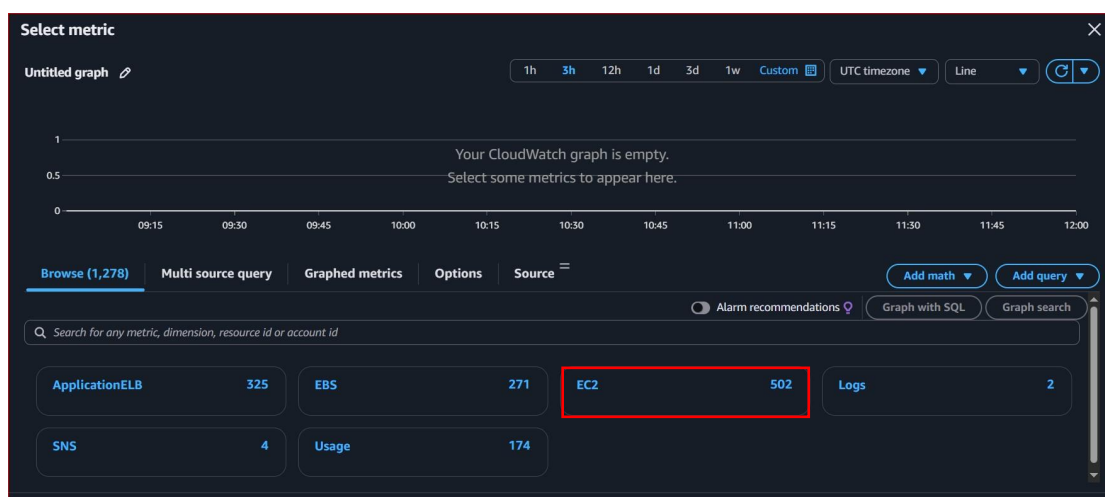
➢ In AWS, an alarm is like a monitoring guard. It watches your metrics (such as CPU usage, memory, disk, network, etc.) from Amazon CloudWatch and tells you when something goes above or below a limit you set.

➢ Alarms help you monitor and automatically react to changes in your AWS resources, making them crucial for cost optimization, high availability, and performance.

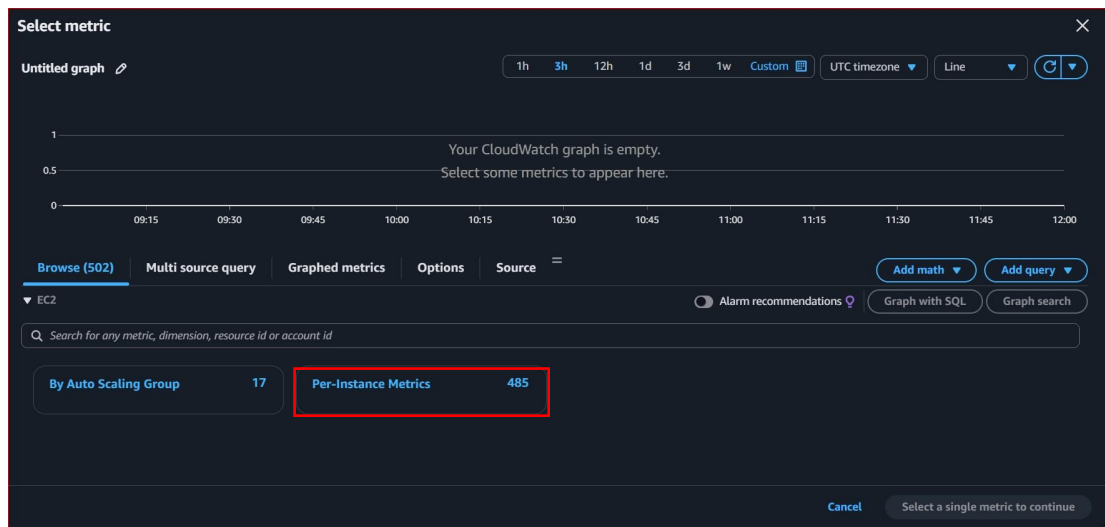# 1. Select Alarms and click on Select metric (From cloudwatch) :

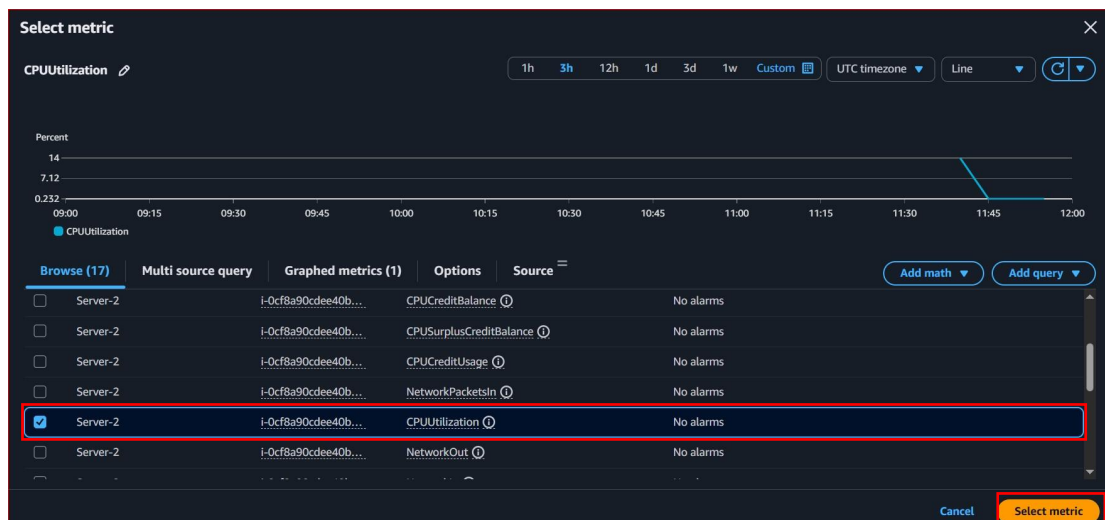**Note**: There are multiple methods for set   alaram to an instance.



# 2.Select metric (EC2) :

## 3.Click on per-instance Metrics :



## 4. Select instance with it's Specification & click on select metric :

## 5. Condition keep static & select CPU Utilization & define Threshold value and click next :



## 6. Select Action for instance :

# 7. And click next :

Low-CPU-Terminate

**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)

ⓘ Markdown formatting is only applied when viewing your alarm in the console. The description will remain in plain text in the alarm notifications.

**Tags – *optional*** Info

No tags associated with the resource.

Add new tag

You can add up to 50 tags

Cancel    Previous    Next

# 8.Review again and click Create alarm :

**Actions**

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

EC2 action
When In alarm, terminate this instance (Instance ID: i-0cf8a90cdee40b1b3)

**Step 3: Add alarm details**                                                    Edit

**Alarm details**                                                          ·

Name
Low-CPU-Terminate

Description
-

▶ Tags (0)

Cancel    Previous    Create alarm

# 9. Alarm Created :

⊘ Successfully created alarm Low-CPU-Terminate.                    View alarm    ✕

**Alarms** (2)          ☐ Hide Auto Scaling alarms    Clear selection  ⟳  Create composite alarm  Actions ▼  Create alarm

🔍 Search          Alarm state: Any ▼    Alarm type: Any ▼    Actions status: Any ▼        ‹ 1 › ⚙

| ☐ | Name ▽ | State ▽ | Last state update (UTC) ▽ | Conditions | Actions |
|---|---|---|---|---|---|
| ☐ | Low-CPU-Terminate | ⊖ Insufficient data | 2025-08-26 12:12:32 | CPUUtilization <= 10 for 1 datapoints within 5 minutes | ⊘ Actions enabled Warni |
| ☐ | Low-CPUUtilization | ⊖ Insufficient data | 2025-08-26 12:02:51 | CPUUtilization <= 10 for 1 datapoints within 5 minutes | ⊘ Actions enabled Warni |