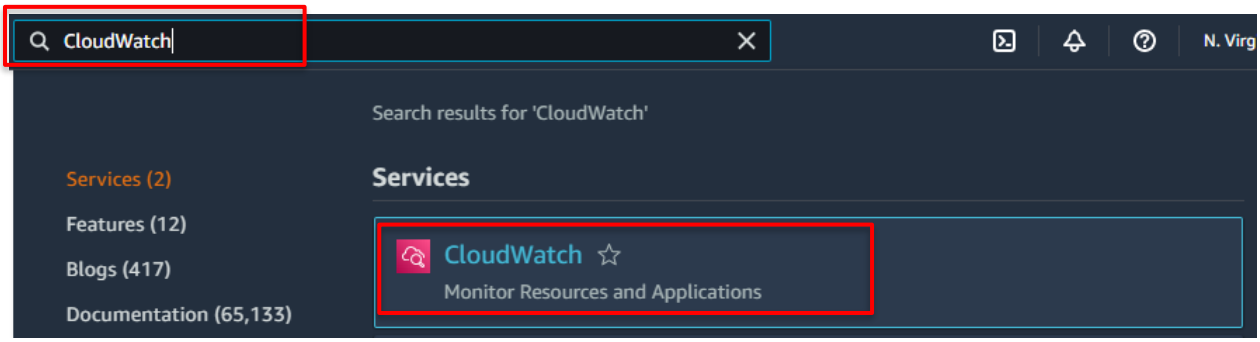
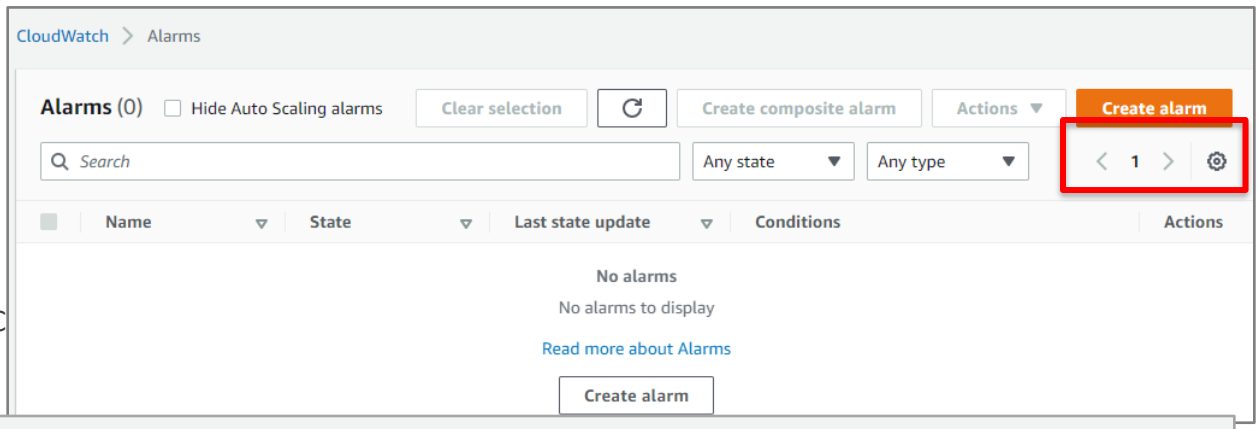
CloudWatch Alarm

Step 1: Create CloudWatch alarm to stop the instance

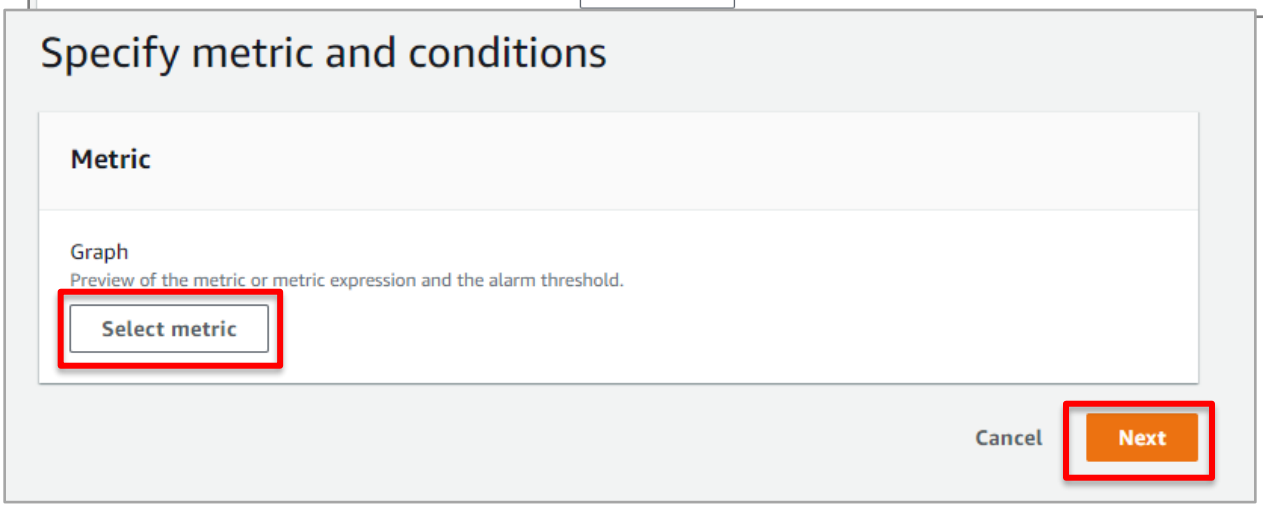
1.1 In the AWS management console, search for **CloudWatch** and then click on **CloudWatch:**



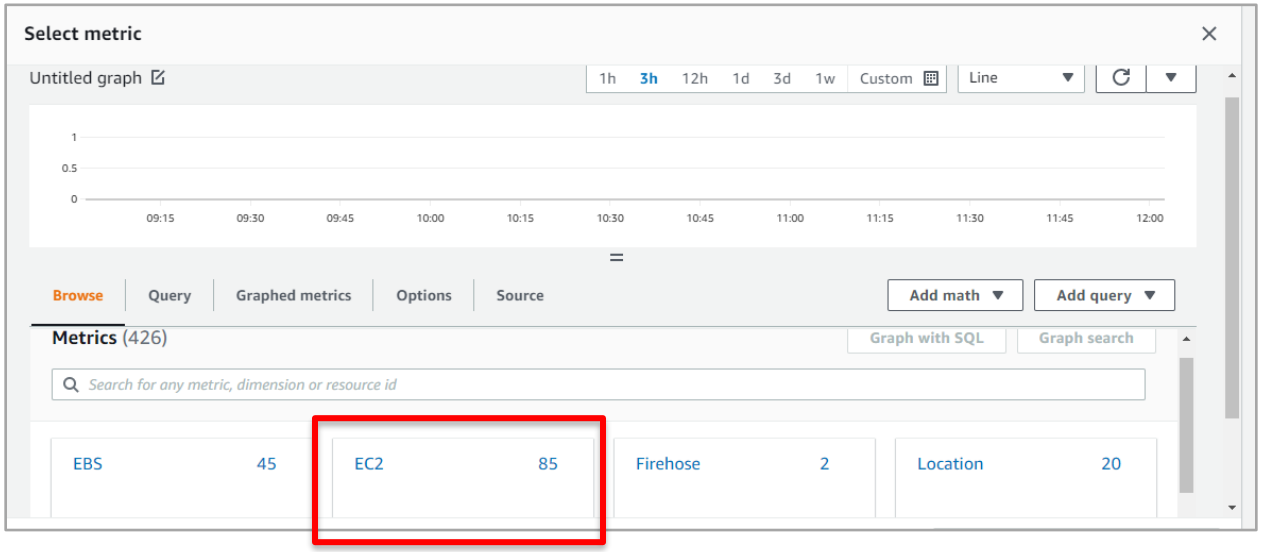
1.2 In the CloudWatch menu, click on **Create alarm:**



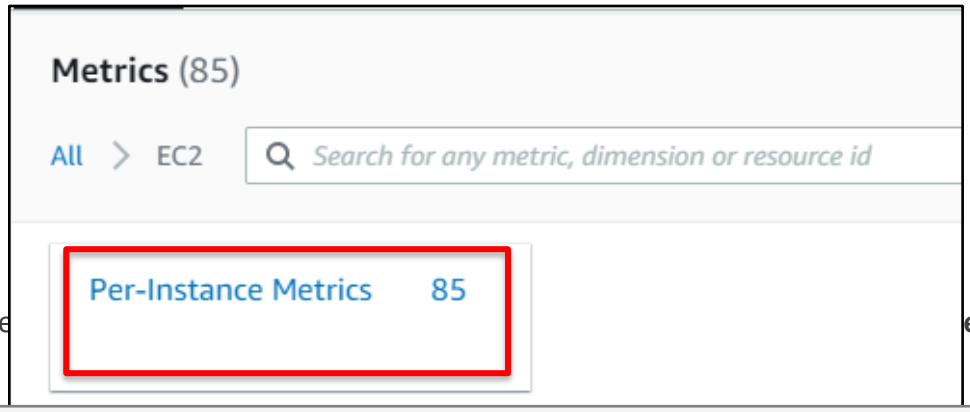
1.3 C

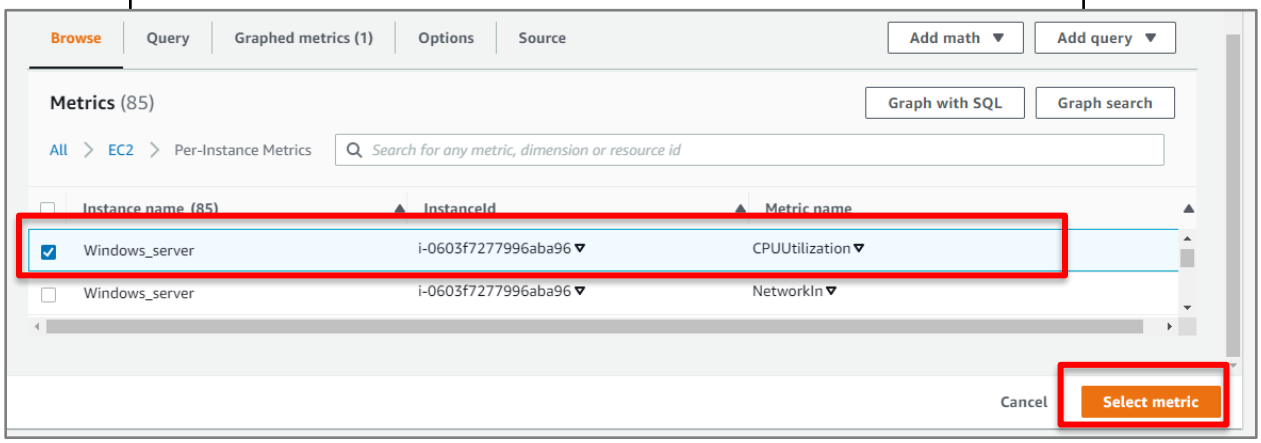


1.4 Click on **EC2** and then select **Per-Instance Metrics:**

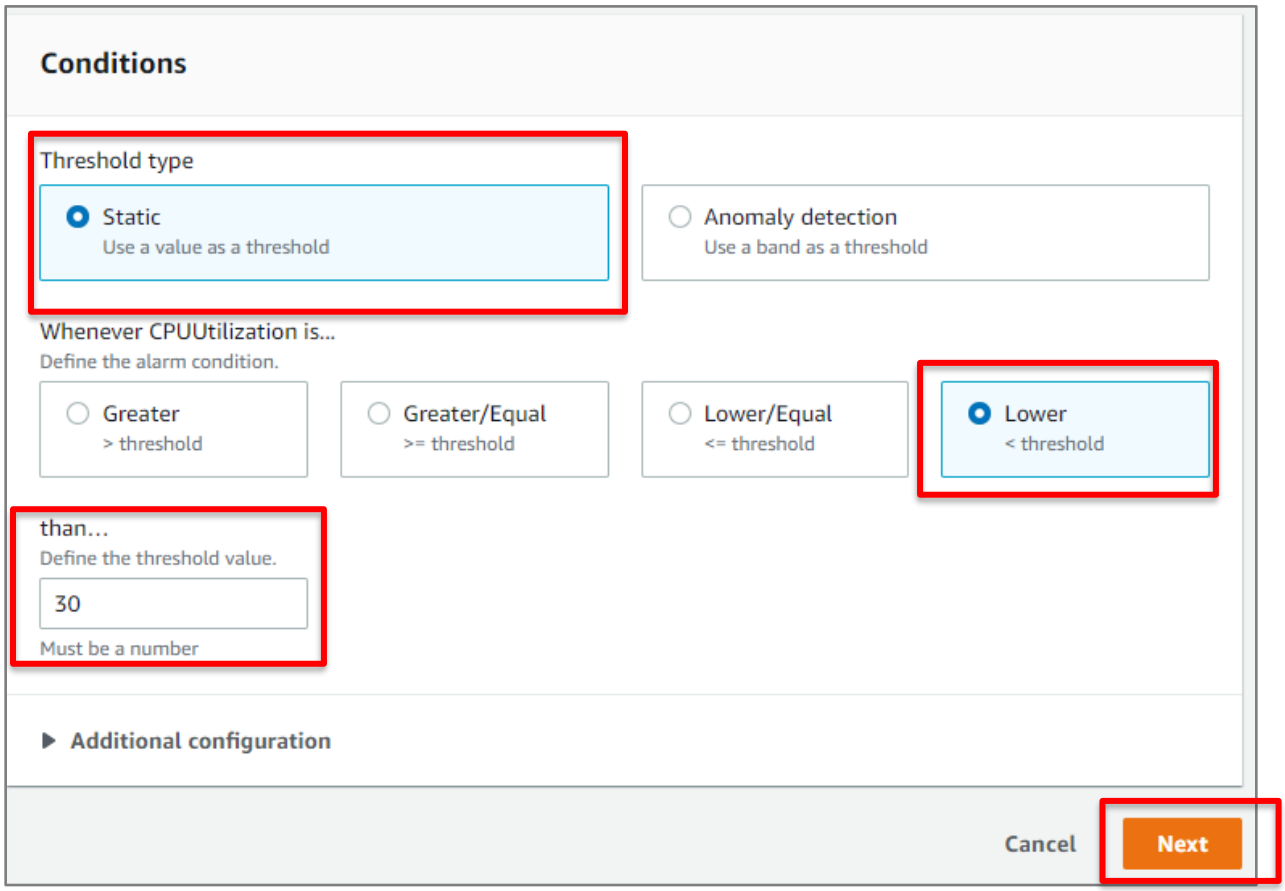


1.5 In the Me ect metric:



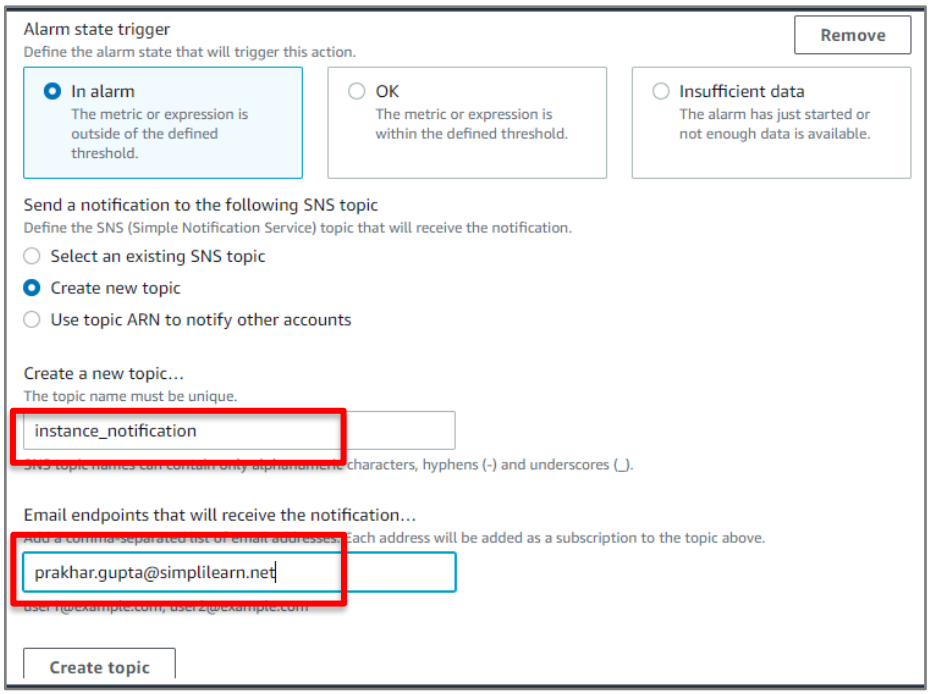


1.6 Select **Static** in the **Threshold type, Lower** in **CPUUtilization** and enter **30** in **threshold value** and then click on **Next:**

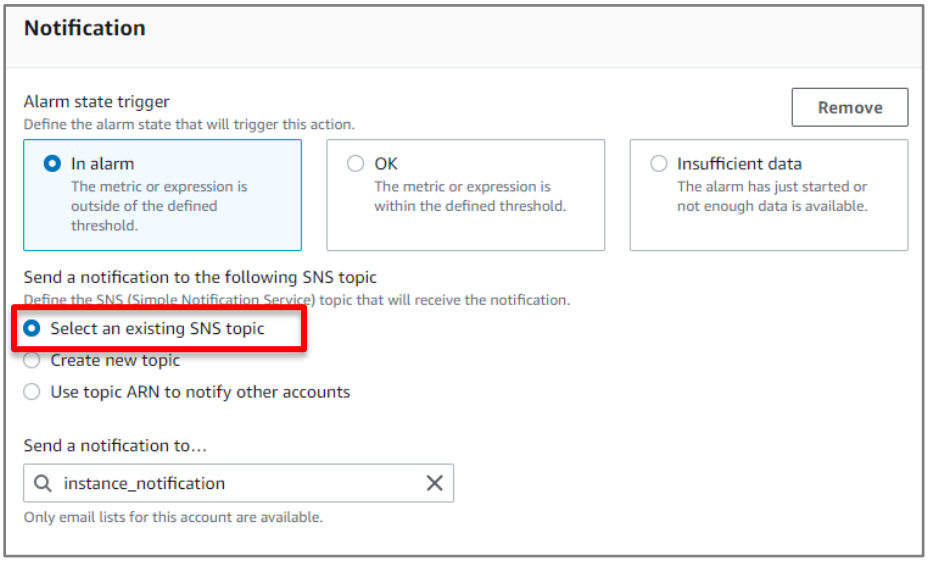


1.7 In Alarm state trigger do the following:

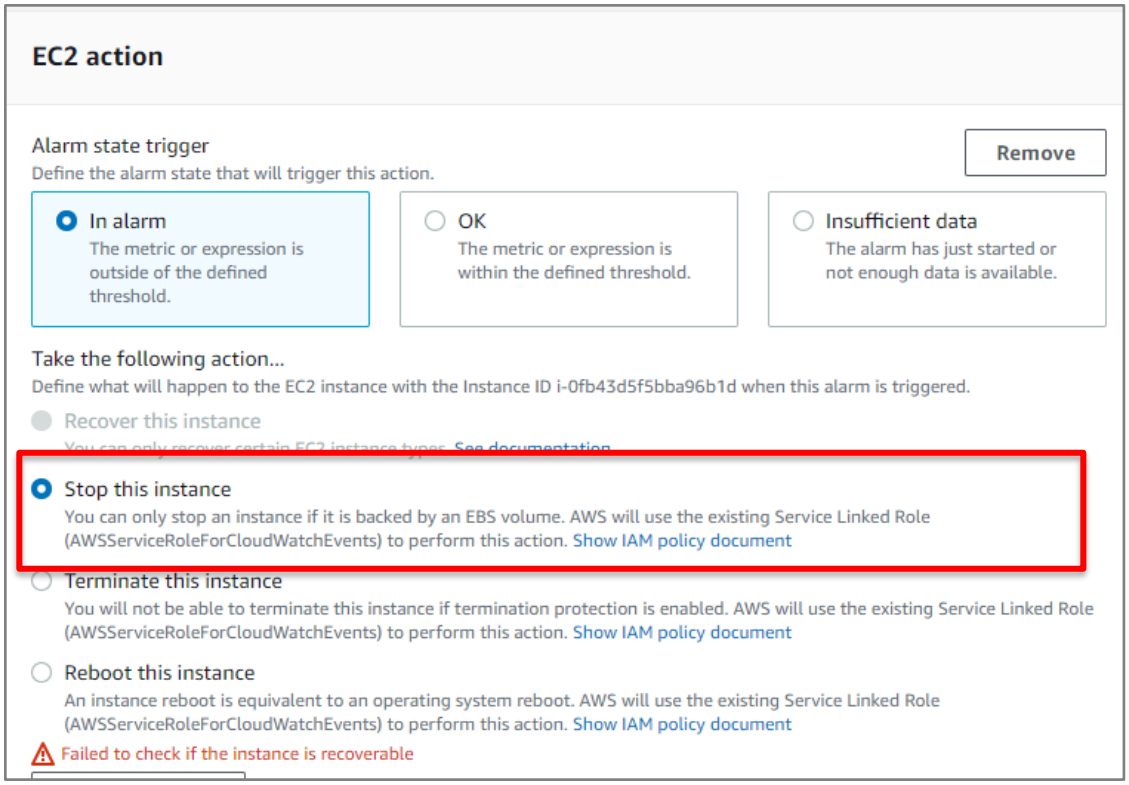
- Select **In alarm** and select **Create new topic**
- Enter the **topic name** and **email id**, then click on **Create topic**



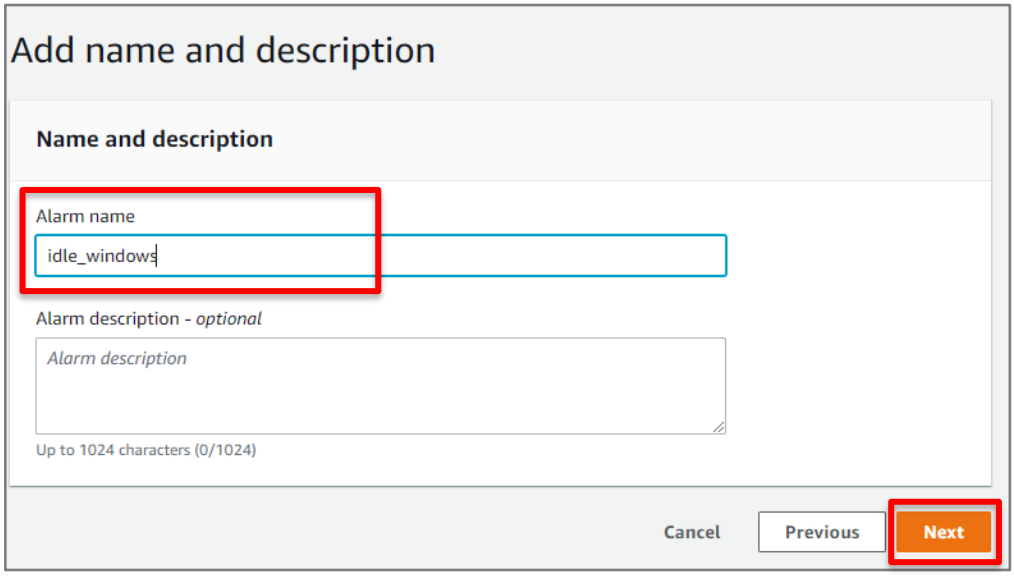
Note: Once the new topic is created, **Select an existing SNS** topic will be automatically selected.



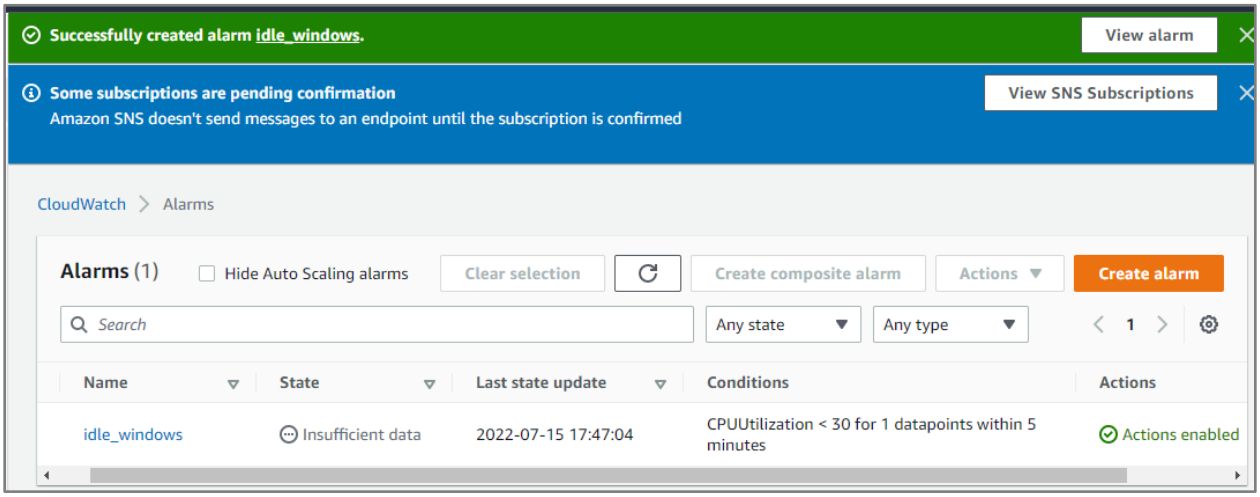
1.8 In the **EC2 action,** select **Stop this instance:**



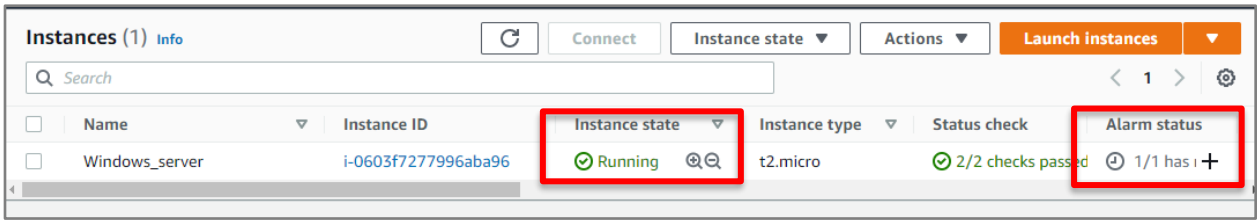
1.9 In **Add name and description,** write any name for your alarm, then click on **Next:**



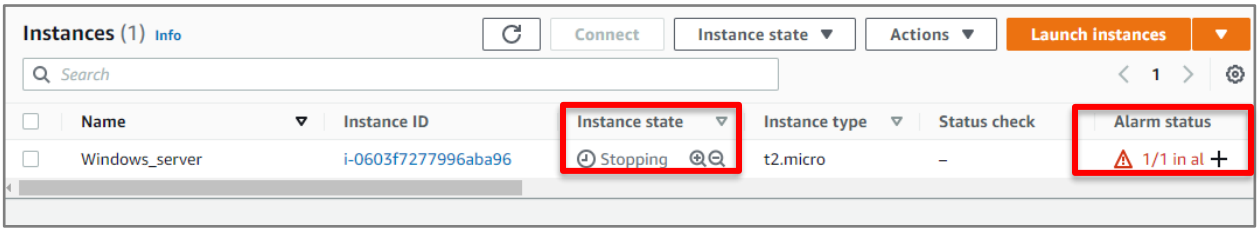
1.10 Once the alarm is created, it will appear on the **Alarms** dashboard:



1.11 Now go to the EC2 dashboard and then check the **Instance state** and **Alarm status:**



1.12 Refresh your instance status in every 20 sec then after some time you will find that the alarm will be triggered, and instance will stop:



Hence, the moment CPU utilization goes below 30%, the instance will be stopped.