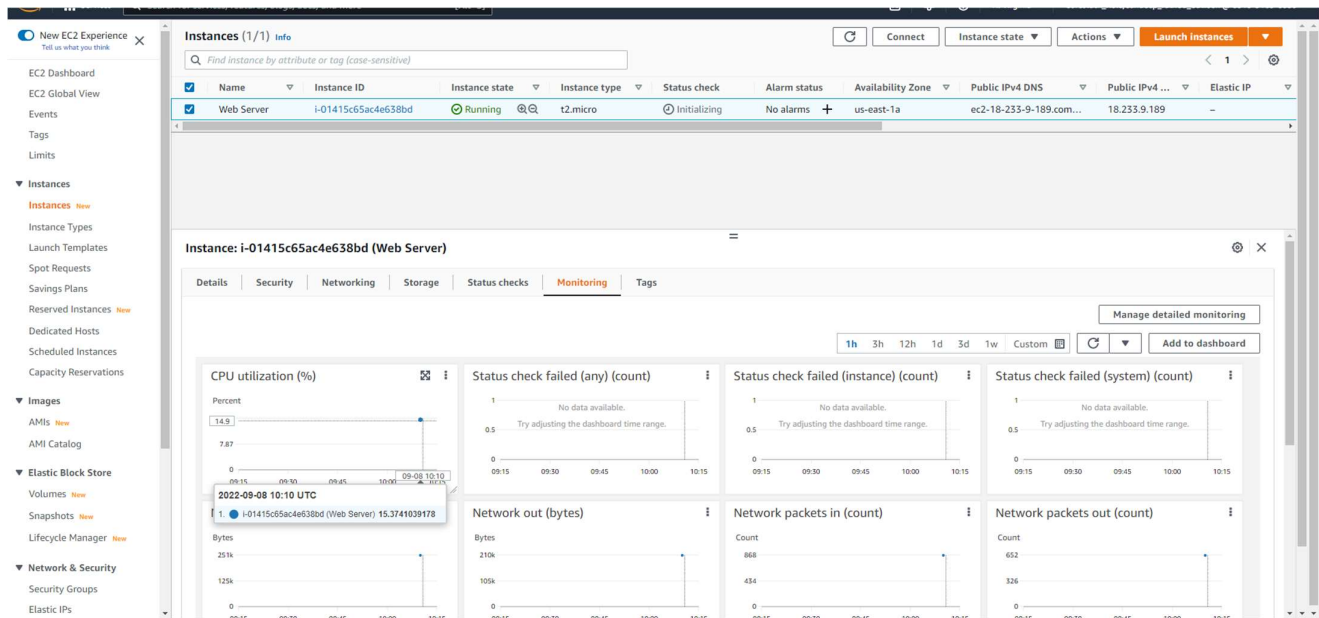
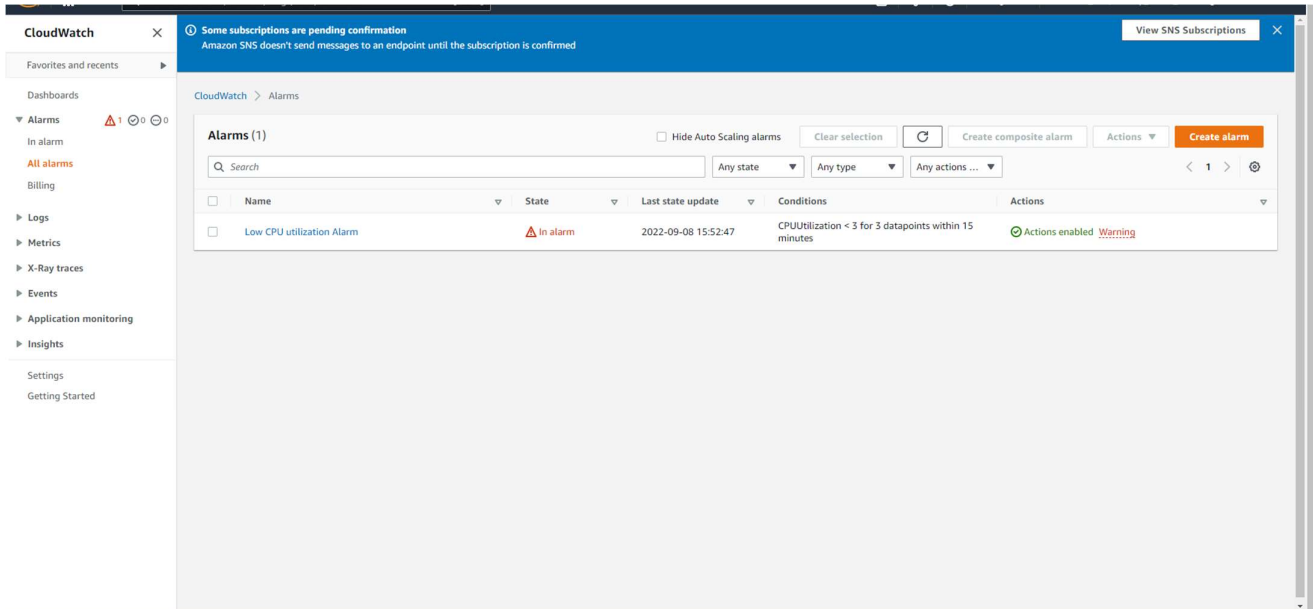


## 1. Check and observe the CPU utilization graph for the EC2 instance

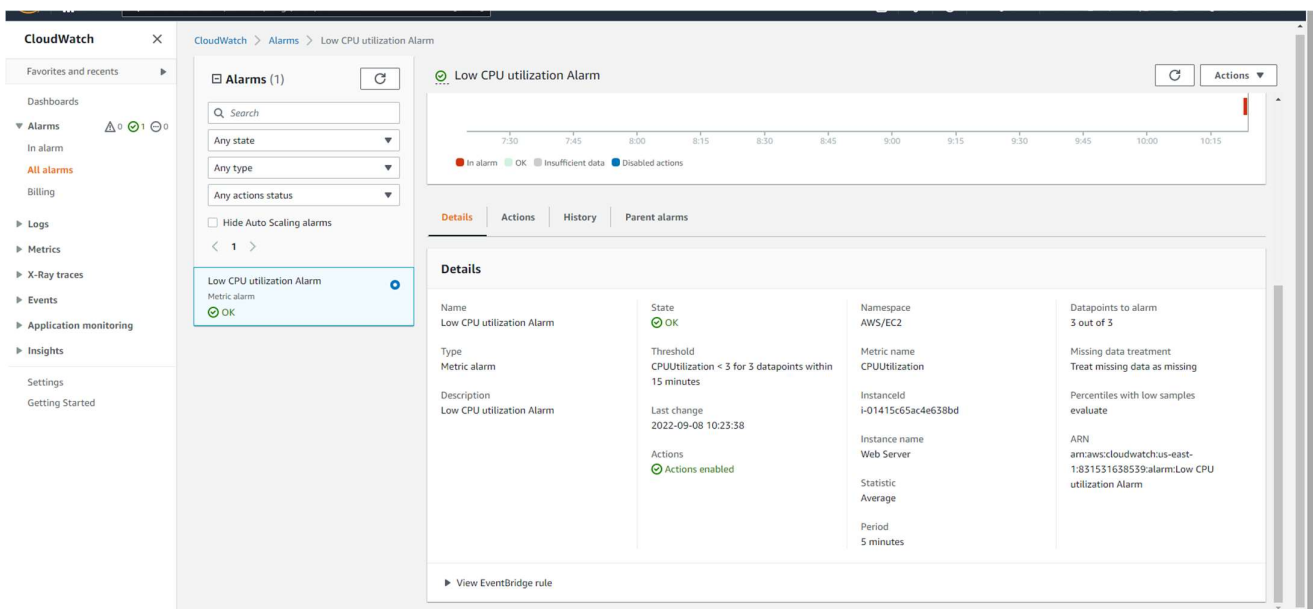


2. Create and configure a CloudWatch alarm that sends an email notification to HCMonitor@HeavenClassics.com if the CPU utilization goes below the threshold of 3%, consecutively three times for five minutes



The screenshot shows the AWS CloudWatch Alarms console. A blue banner at the top states: "Some subscriptions are pending confirmation. Amazon SNS doesn't send messages to an endpoint until the subscription is confirmed." Below this, the "Alarms (1)" section displays a table with one alarm:

Name	State	Last state update	Conditions	Actions
Low CPU utilization Alarm	In alarm	2022-09-08 15:52:47	CPUUtilization < 3 for 3 datapoints within 15 minutes	Actions enabled <span>Warning</span>



The screenshot shows the details of the "Low CPU utilization Alarm". The alarm is in the "OK" state. The details section provides the following information:

Details			
<b>Name</b> Low CPU utilization Alarm	<b>State</b> OK	<b>Namespace</b> AWS/EC2	<b>Datapoints to alarm</b> 3 out of 3
<b>Type</b> Metric alarm	<b>Threshold</b> CPUUtilization < 3 for 3 datapoints within 15 minutes	<b>Metric name</b> CPUUtilization	<b>Missing data treatment</b> Treat missing data as missing
<b>Description</b> Low CPU utilization Alarm	<b>Last change</b> 2022-09-08 10:23:38	<b>Instanceid</b> i-01415c65ac4e638bd	<b>Percentiles with low samples</b> evaluate
<b>Actions</b> Actions enabled	<b>Instance name</b> Web Server	<b>ARN</b> arn:aws:cloudwatch:us-east-1:831531638539:alarm:Low CPU utilization Alarm	
	<b>Statistic</b> Average	<b>Period</b> 5 minutes	

### 3. Create an IAM group named Administrator Group and attach the full administrator access policy to the group

Identity and Access Management (IAM)

Unable to load search  
Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access analyzer

Archive rules

Analizers

Settings

Credential report

Organization activity

Service control policies (SCPs)

Related consoles

IAM Identity Center

IAM > User groups

User groups (3)

Info

A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.

Filter User groups by property or group name and press enter

< 1 >

<input type="checkbox"/>	Group name	Users	Permissions	Creation time
<input type="checkbox"/>	Administrator	1	Defined	1 minute ago
<input type="checkbox"/>	Endusers	0	Defined	6 months ago
<input type="checkbox"/>	Group1	0	Not defined	6 months ago

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Access analyzer

Archive rules

Analizers

Settings

Credential report

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Related consoles

IAM Identity Center

IAM > User groups > Administrator

Administrator

Summary

Users

Permissions

Access Advisor

User group name

Creation time

ARN

Administrator

September 08, 2022, 15:59 (UTC+05:30)

arn:aws:iam::831531638539:group/Administrator

Permissions policies (1)

Info

You can attach up to 10 managed policies.

Filter policies by property or policy name and press enter

< 1 >

<input type="checkbox"/>	Policy name	Type	Description
<input type="checkbox"/>	AdministratorAccess	AWS managed - job function	Provides full access to AWS services an...

4. Create a user for an employee of the company who requires administrator access to the company's AWS account, and then add the user to the Administrator Group.

