

Scenario for Project 2

Instructions:

This project is a part of your assessment.

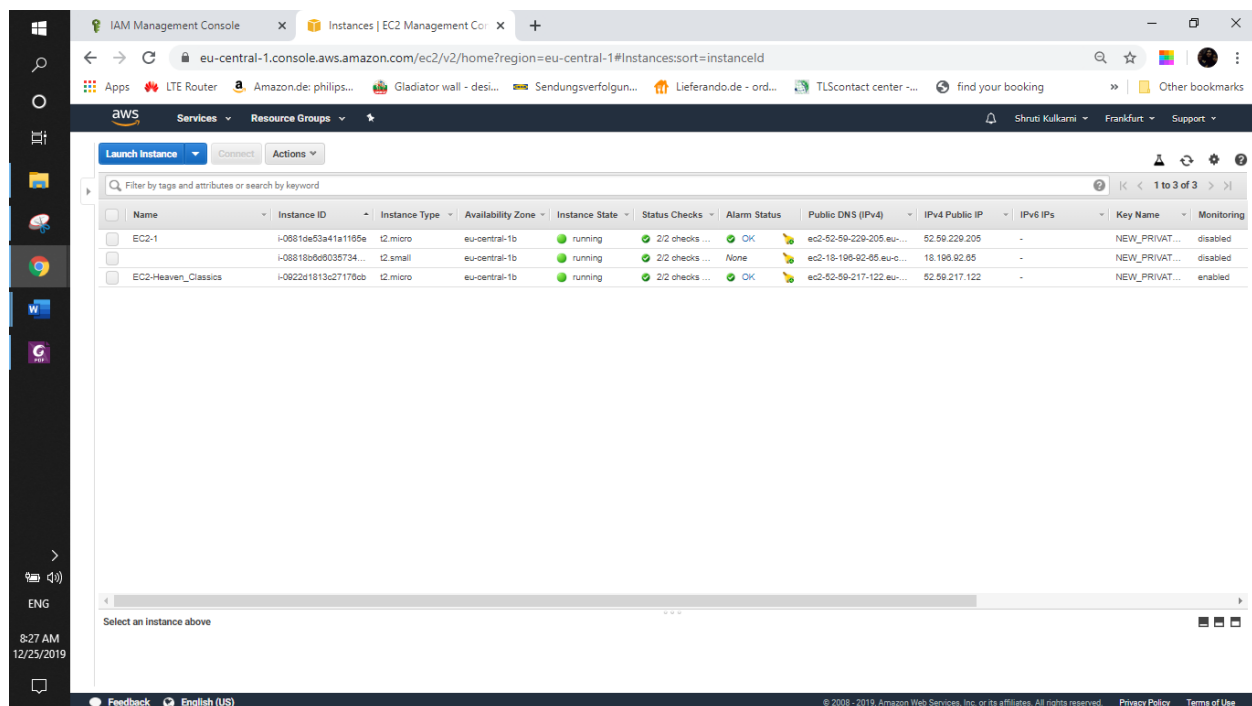
Scenario:

Heaven Classics successfully creates an EC2 Server Instance for Windows 2012 Server. After launching the instance on the server, the next step was to monitor the operations.

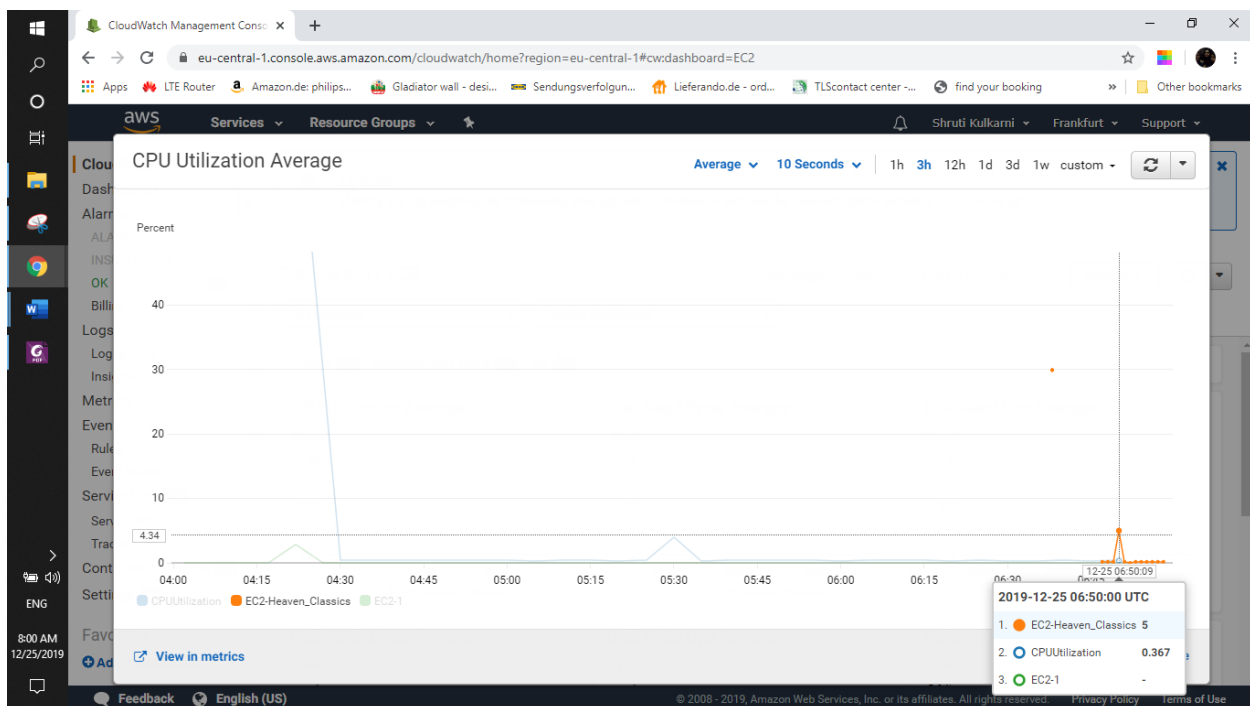
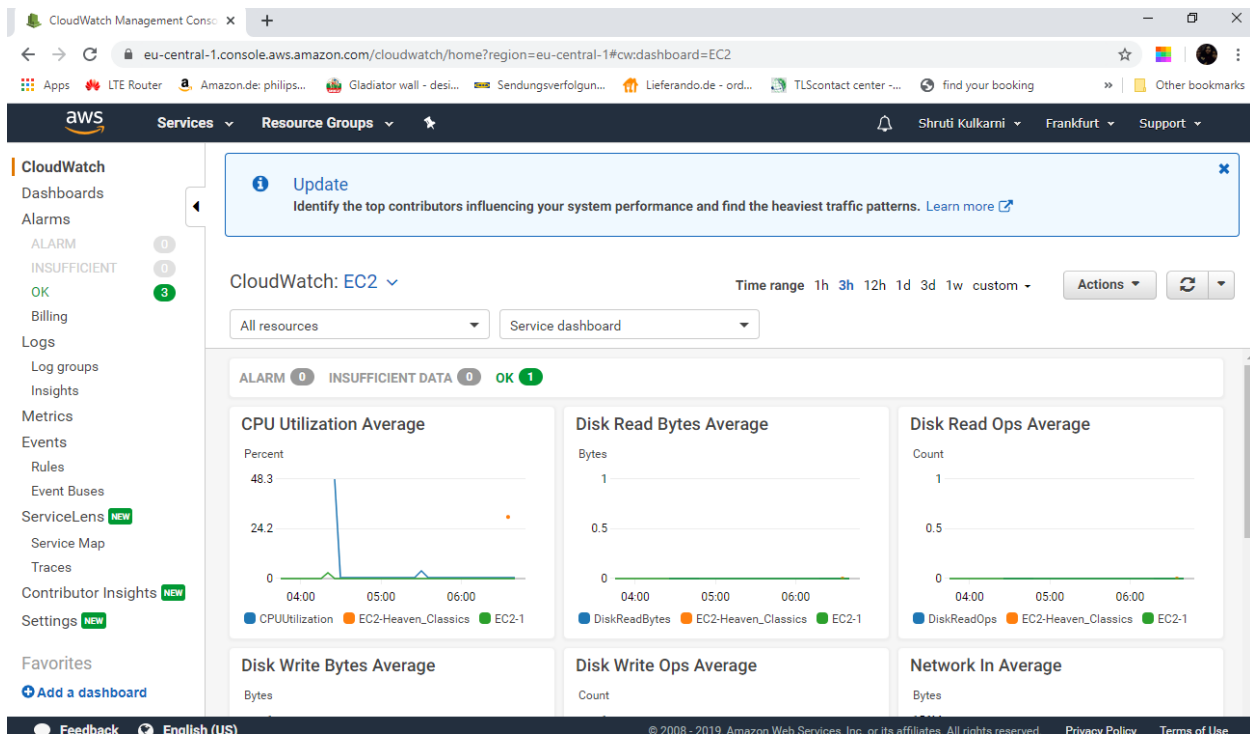
Monitoring is important to keep an eye on the performance of an EC2 instance. It helps gather data from all parts, and is useful for debugging failure.

The monitoring team at Heaven Classics started monitoring activities using the CloudWatch Service in the AWS Management Console. The Heaven Classics support team were required to meet the following objectives:

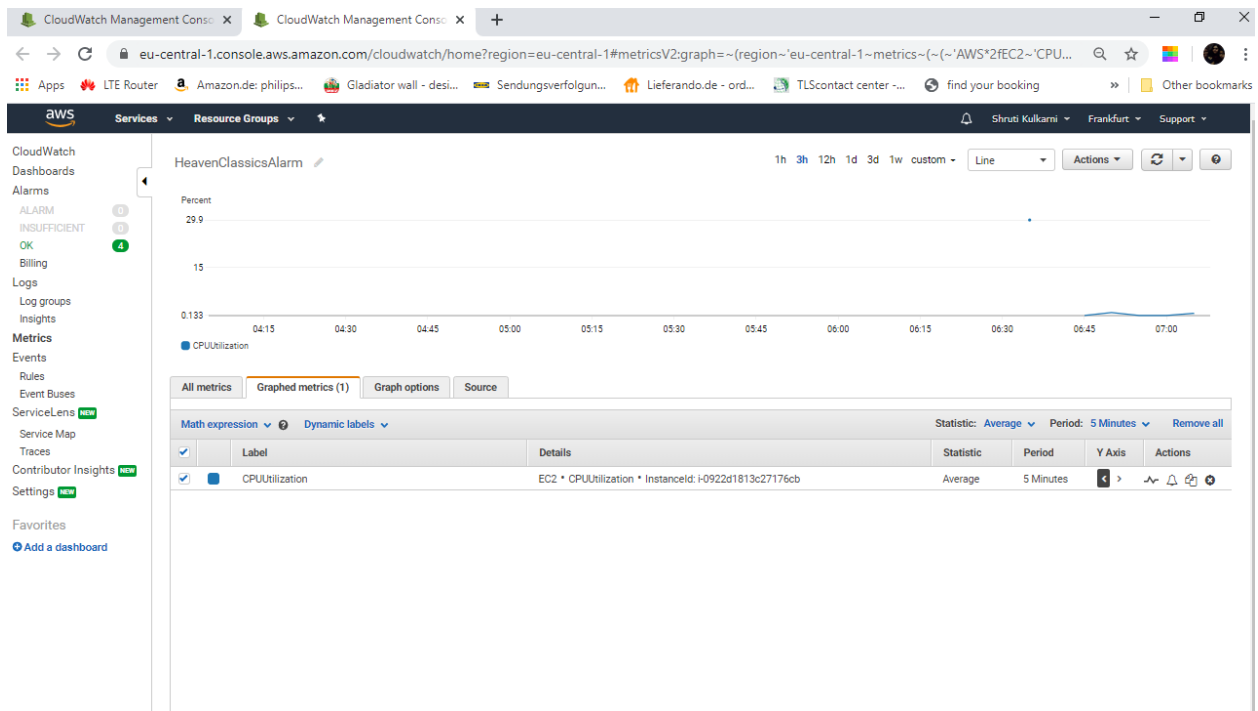
Solution: -



1. Check the CPU Utilization.



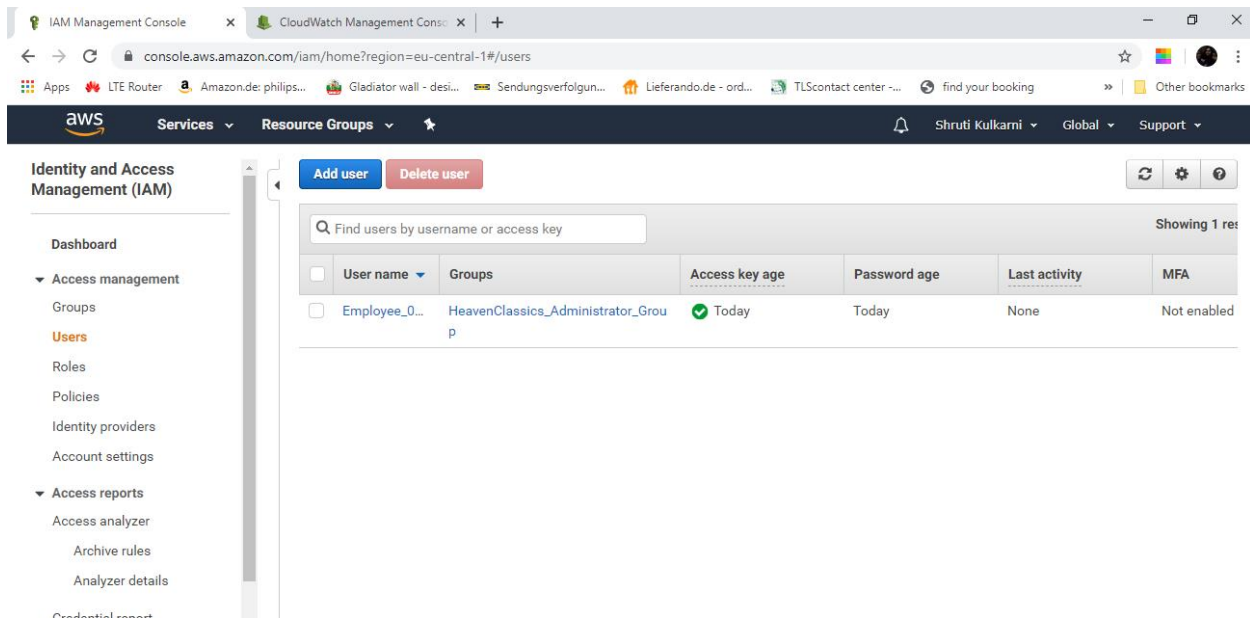
2. Create an Alarm.



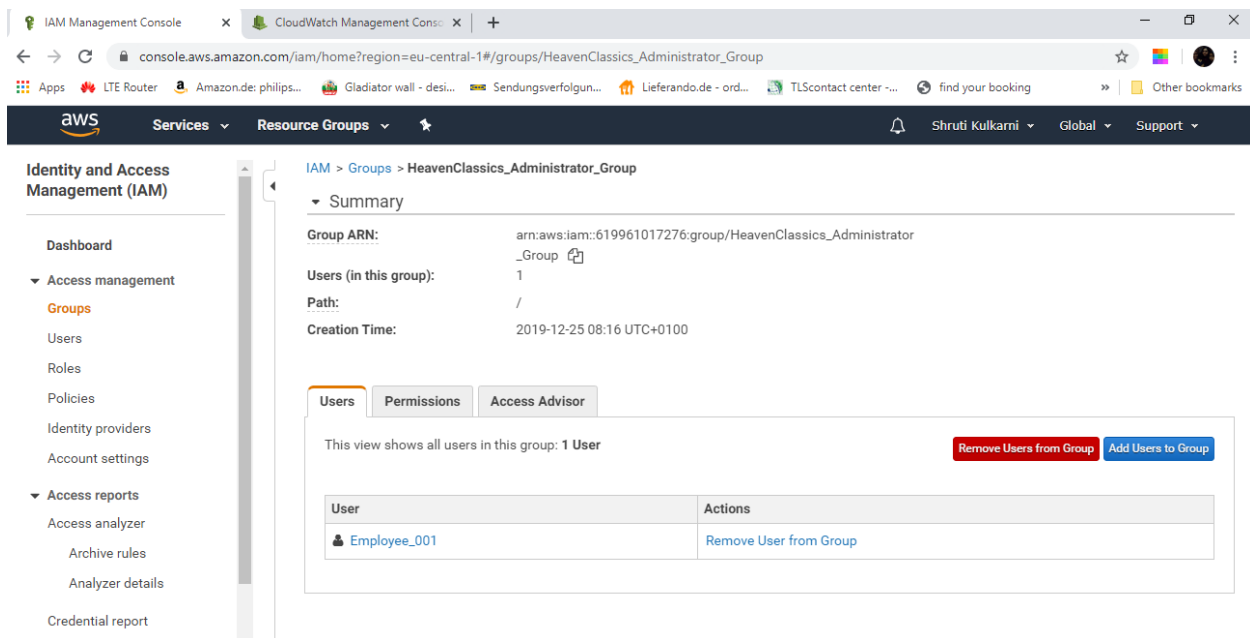
| | | | |
|--|---|--------------------------------------|---|
| Name HeavenClassicsAlarm | Threshold CPUUtilization > 1 for 1 datapoints within 5 minutes | Namespace AWS/EC2 | Datapoints to alarm 1 out of 1 |
| Description Alarm for Heaven Classics | Last change 2019-12-25 07:06:13 | Metric name CPUUtilization | Missing data treatment Treat missing data as missing |
| State OK | ARN arn:aws:cloudwatch:eu-central-1:619961017276:alarm:HeavenClassicsAlarm | InstanceId i-0922d1813c27176cb | Percentiles with low samples evaluate |
| | | Instance name EC2-Heaven_Classics | |
| | | Statistic Average | |
| | | Period 5 minutes | |

| History (3) | | |
|---------------------|----------------------|--|
| <div>Q Search</div> | | |
| Date | Type | Description |
| 2019-12-25 07:06:22 | Configuration update | Alarm "HeavenClassicsAlarm" updated |
| 2019-12-25 07:06:13 | State update | Alarm updated from Insufficient data to OK |
| 2019-12-25 07:05:39 | Configuration update | Alarm "HeavenClassicsAlarm" created |

3. Create an IAM User.



4. Create the IAM Administrator Group, and add the user to the Administrator Group.



5. Create a Role.

Browser tabs: IAM Management Console, CloudWatch Management Console

URL: <https://console.aws.amazon.com/iam/home?region=eu-central-1#/roles>

Navigation: Services, Resource Groups

Identity and Access Management (IAM)

Dashboard

- Access management
 - Groups
 - Users
 - Roles**
 - Policies
 - Identity providers
 - Account settings
- Access reports
 - Access analyzer
 - Archive rules
 - Analyzer details
 - Credential report

Notification: The role **Role_Administrator** has been created.

Buttons: **Create role**, Delete role

Search: Showing 4 results

| <input type="checkbox"/> | Role name | Trusted entities | Last activity |
|--------------------------|---|---|---------------|
| <input type="checkbox"/> | AWSServiceRoleForAmazonElasticFile... | AWS service: elasticfilesystem (Service-Linked... | None |
| <input type="checkbox"/> | AWSServiceRoleForSupport | AWS service: support (Service-Linked role) | None |
| <input type="checkbox"/> | AWSServiceRoleForTrustedAdvisor | AWS service: trustedadvisor (Service-Linked r... | None |
| <input type="checkbox"/> | Role_Administrator | AWS service: ec2 | None |

Conclusion:

Hence, objectives are fulfilled for client Heaven Classics.