AWS-Cloud Watch

STEP 1

- Login to the AWS console by using Username and Password
- Search for → Cloud Watch in search tab
- Click on → Cloud Watch

Creating a Dashboard

- In create new dashboard
- Give name → EC2-CPU-Utilization
- Clock → Create dashboard

STEP 2

Add widget

- Click on → Lines

Add to this Dashboard

- Click on → Metrics

STEP 3

Go to → EC2

- Click on → Instances
- Create an Instance (normal instance)

Go back to → Cloud Watch

- In browse Click on → EC2
- Click → Per-Instance Metrices

Go back to EC2 and Check how many servers are in running state

Add metric graph

- In Browse
- Instance name → Demo-Cloud
- Metric Name → CPUUtilization
- Click on → Create Widget

EC2-CPU-Utilization

- Set time as your needs for now give 15min
- Click on → Save dashboard

Setting an Alarm

- Click on → Alarm
- Click → In Alarm
- Click → Create Alarm

Specify metric and conditions

- Click → Select metric

STEP 4

Below you can see all the metrices available but there isn't Billing metric

Creating a Billing Metric

- In Browse
- Click on → EC2
- Click on → Per-Instance Metrices
- Click → CPUUtilization in Metric name
- Click → Select Metric

Specify metric and condition

- Metric name → CPUUtilization
- Instance ID → Default
- Statistic → Average
- Period → 5 minutes

Conditions

Threshold Type

- Click → Static

Whenever CPUUtilization

- Click → Greater

STEP 5

Threshold Value

- Give → 80
- Click → Next

Configure Actions

Alarm State Trigger

- Click → In Alarm

Send a notification to the following SNS topic

- Click → Create new topic

Send a notification to

- Type → Default_CloudWatch_Alarms_Topic

Email endpoints that will receive the notification

- Give your Email ID
- Click → Create topic

STEP 6

In EC2 action

Alarm State Trigger

- Click → In Alarm

Take the following action

- Click → Reboot this instance
- Click → Next

Add name and description

Alarm Name

- Type → CloudWatch-EC2-CPU-Utilization

Alarm Description

- Type → CloudWatch-EC2-CPU-Utilization
- Click → Next

STEP 7

Once preview the given inputs

If you are satisfied then you are good to go

- Click → Create Alarm

Go to → Alarms

- Click → All Alarms
- Click → The alarm which you created
- Click → Insufficient data
- Click → Any type
- Click → Any actions type

CPUUtilization

- Click → Details
- Check the
- State → OK and
- Actions → Actions Enabled

RESULT

We have configured and now go to Email ID and confirm to receive alarms

- You will receive an Email from AWS Notification
- Click → Confirm Subscription

NOTE

Sometimes the mail from AWS will get late because of this is free service so they have to verify

HOW TO DELETE

STEP 1

Deletion of Dashboard

- Click → Dashboard which you created
- Click → Delete

STEP 2

Deletion of Alarm

- Click → All alarms
- Click → The alarm which you created
- Click → Action
- Click → Delete

STEP 3

Deletion of Instance

- Go to → EC2
- Click → Instance
- Click → Instance which you Created
- Click → Instance State
- Click → Terminate instance
- Click → Terminate

STEP 4

Deletion of Key Pair

- Click → The key which you Created
- Click → Action
- Click → Delete

STEP 5

Deletion of Security Group

- Click → Security group which has created while creating an instances
- Click → Action
- Click → Delete Security group

THANK YOU