Cloud Watch :

SNS :

Create new topic

Topic name :

Display name :

Under the topic we can have any number of subscriptions

Click on subscriptions

Create subscription

Topic ARN

Protocol : Email

Endpoint : give the email address

Amazon send email to the email address go there and click on confirm subscription

Setting Monitoring Alarms:

Go to cloud watch

Click on Alarm

Create Alarm

Select EC2 and search the instance id(this is already created instance id)

We can find the metrices for that particular instance

Choose cpu utilization and click on next

Alarm threshold

Name :

Description

Period : monitor time

Whenever cpu utilization

In >= 40 %

For 3 consecutive period

Actions

Whenever state alarm : state is Alarm

Send notification to : choose the sns topic

There are other options like Autoscaling action and ec2 action

We can apply this to particular auto scaling group

For particular instance types this can be applied but not for t2(free)

Create Events :

When event occurred alarm to be triggered ex : (instance stage changes like stop,reboot etc..)

Rules

Create rule

Even pattern

Service name : ec2

Even type : all events

Targets :

Add Target

Select SNS topic , automatically input matched

Click on configure details:

Rule details

Name :

Description

Statue : enabled

Create

To trigger Alarm

Increase cpu load so that it will cross 40% , then it will trigger alarm

Try to change the state of instance like stop and start , so that Event will trigger and send email

Send Logs to cloud watch: (prasad domala videos)

Create AWS IAM role for ec2 instance :

IAM :

Polocies

Create policy

Choose service : cloud watch log

Action : create log group and log stream , log events, describe log streams

Resources : all resources

Review policy :

Create Role :

Role

Select ec2

Permission : search for cw log policy

Role name : cw log