

Module 6: Automate Monitoring And Event Management In AWS

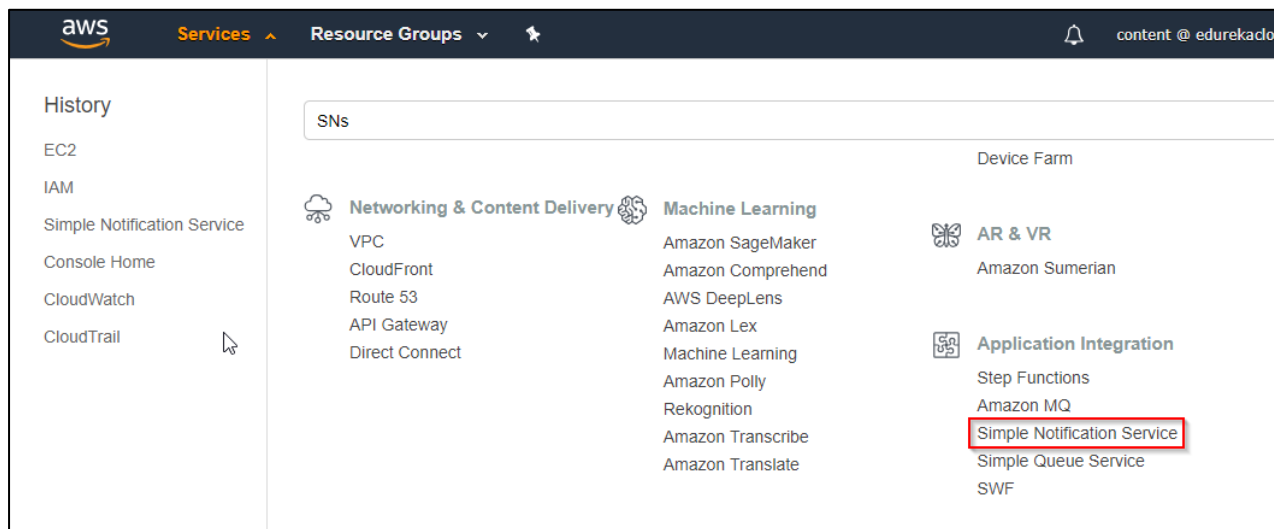
Demo Document 1

edureka!

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Configure Amazon CloudWatch To Notify Status Of EC2 Instance

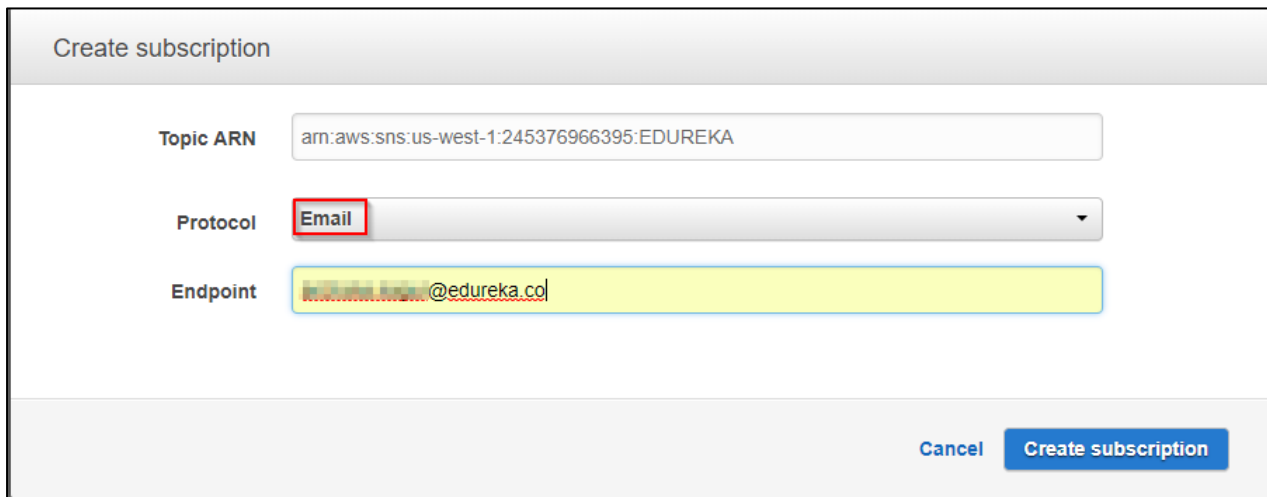
Step 1: Go to **AWS Management Console** and select “SNS”



Step 2: Enter the **Topic name**, **Display name** and click on “Create topic”

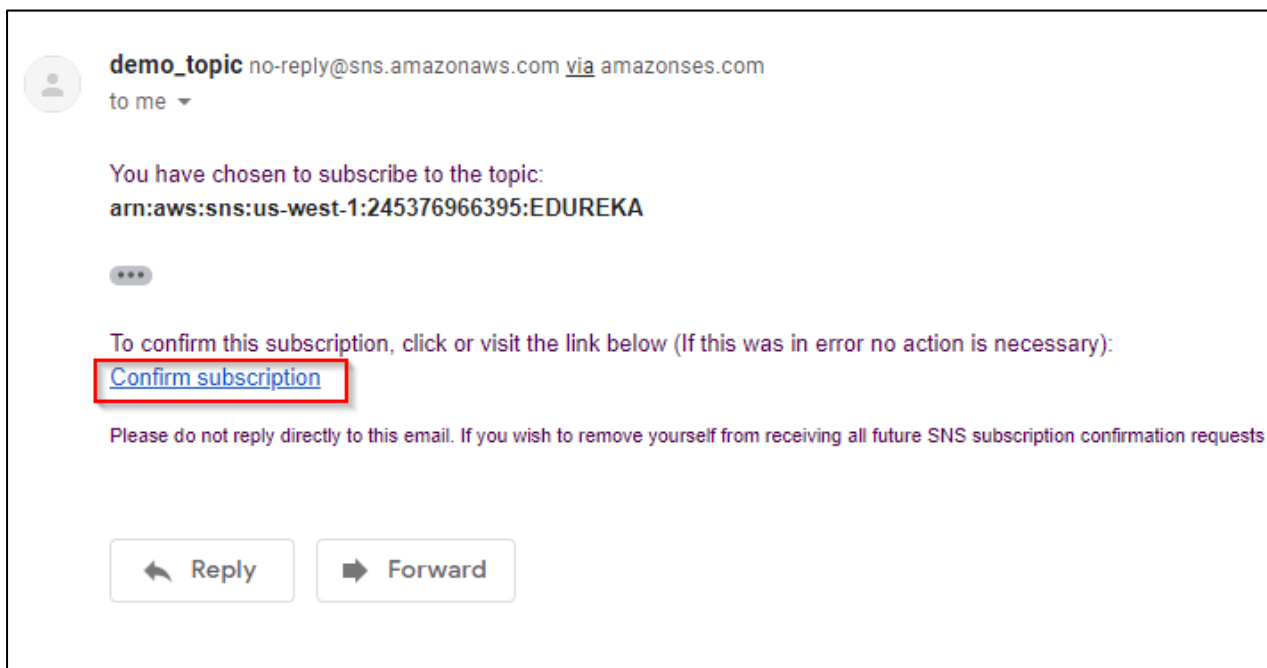
A screenshot of the 'Create new topic' form in the AWS Management Console. The form has a header 'Create new topic' and a blue banner at the top that says 'Building a mobile app? Try AWS Mobile Hub.' Below the banner, there is a text input field for 'Topic name' with the value 'EDUREKA' and an information icon. Below that is a text input field for 'Display name' with the value 'demo_topic' and an information icon. At the bottom right, there are two buttons: 'Cancel' and 'Create topic'.

Step 3: Select **create subscription**, enter **protocol** and **endpoint**, at the end click on “Create subscription”



The screenshot shows the 'Create subscription' dialog box in the AWS console. It has three input fields: 'Topic ARN' with the value 'arn:aws:sns:us-west-1:245376966395:EDUREKA', 'Protocol' with a dropdown menu showing 'Email' (highlighted with a red box), and 'Endpoint' with a text field containing a redacted email address followed by '@edureka.co' (highlighted with a yellow box). At the bottom right, there are two buttons: 'Cancel' and 'Create subscription'.

Step 4: Check the inbox of **attached email account**, you will receive a subscription request mail, click on “Confirm subscription”



The screenshot shows an email from 'demo_topic' at 'no-reply@sns.amazonaws.com' via 'amazonses.com'. The email content includes: 'You have chosen to subscribe to the topic: arn:aws:sns:us-west-1:245376966395:EDUREKA', a three-dot menu icon, and a confirmation instruction: 'To confirm this subscription, click or visit the link below (If this was in error no action is necessary):'. A blue link 'Confirm subscription' is provided and highlighted with a red box. At the bottom, there is a disclaimer: 'Please do not reply directly to this email. If you wish to remove yourself from receiving all future SNS subscription confirmation requests' and two buttons: 'Reply' and 'Forward'.

Step 5: If subscription is **confirmed** then the status of subscription ID turns to **active state** from pending state

Topic details: EDUREKA

Publish to topic **Other topic actions** ▾

Topic ARN arn:aws:sns:us-west-1:245376966395:EDUREKA
Topic owner 245376966395
Region us-west-1
Display name demo_topic

Subscriptions

Create subscription **Request confirmations** **Confirm subscription** **Other subscription actions** ▾

Filter

<input checked="" type="checkbox"/>	Subscription ID	Protocol	Endpoint	Subscriber
<input checked="" type="checkbox"/>	arn:aws:sns:us-west-1:245376966395:EDUREKA:be612b06-069c-47a1-97e5-49380b75d9d2	email	archana.nagur@edu...	245376966395

Step 6: Go back to **Services** page and select “CloudWatch”

Clo

ECS

EKS

Lambda

Batch

Elastic Beanstalk

CodeBuild

CodeDeploy

CodePipeline

Cloud9

X-Ray

Storage

S3

EFS

Glacier

Storage Gateway

Management Tools

CloudWatch

AWS Auto Scaling

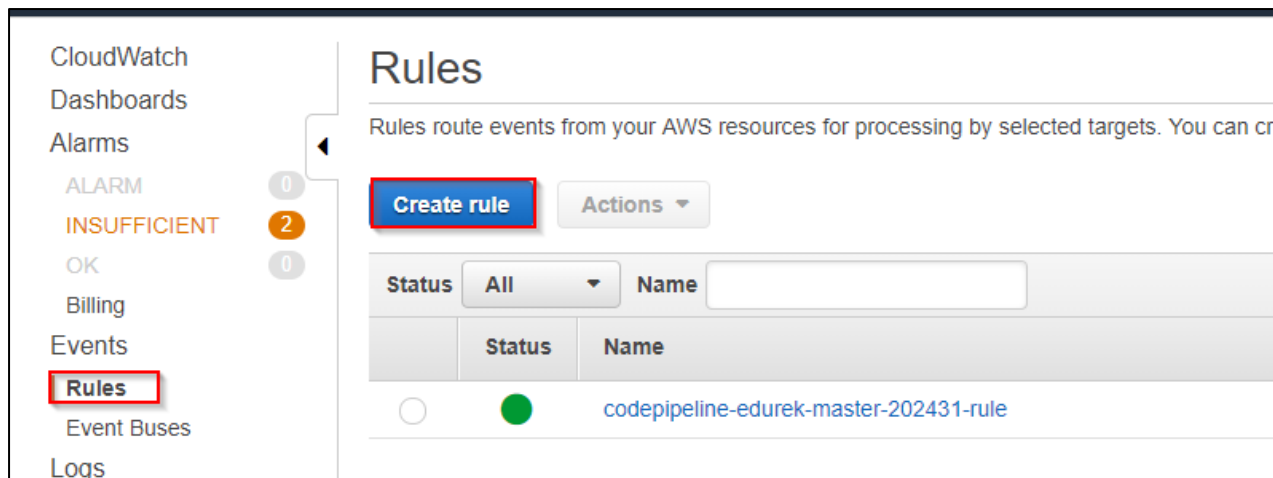
CloudFormation

CloudTrail

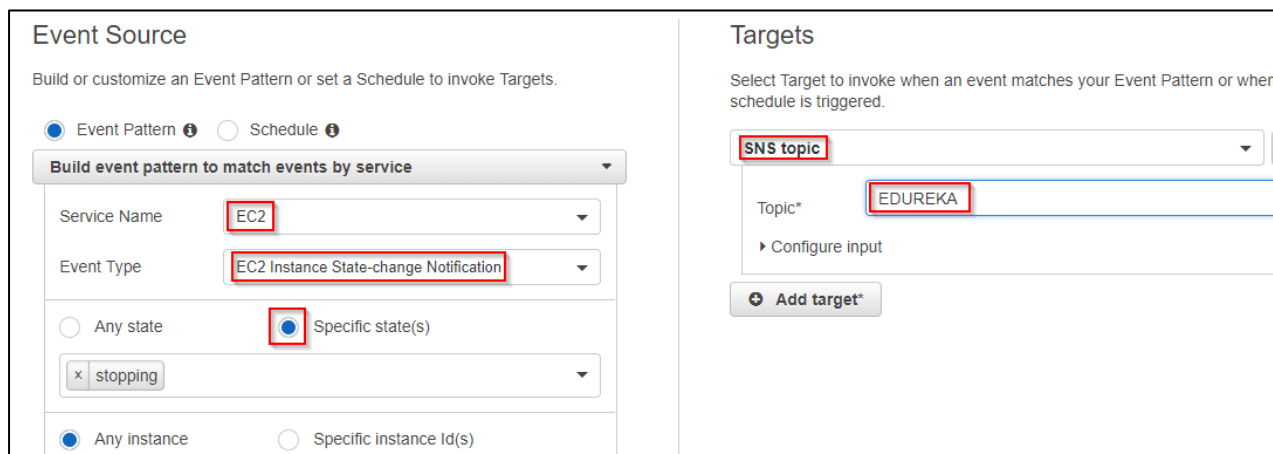
Config

OpsWorks

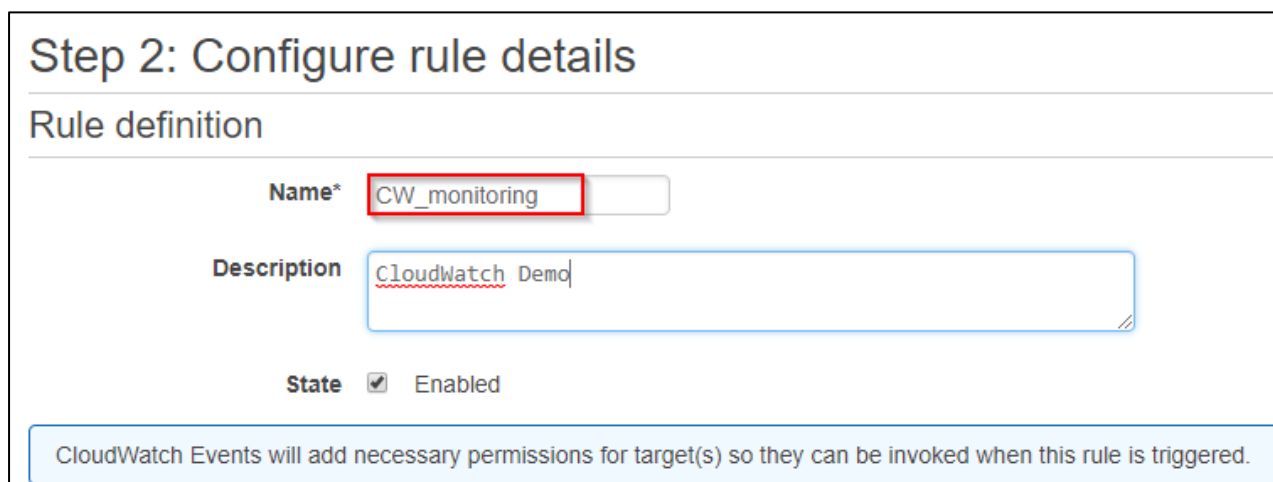
Step 7: Click on “Create rule”



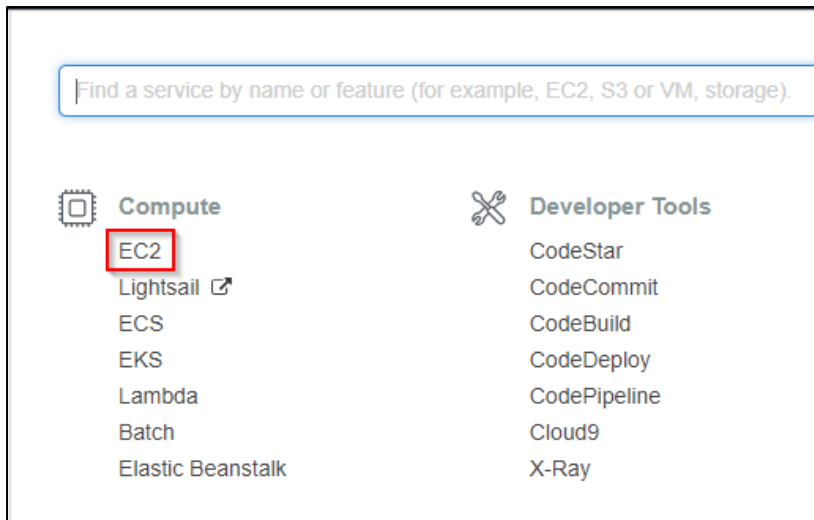
Step 8: Enter all the following details and click on “Configure details”



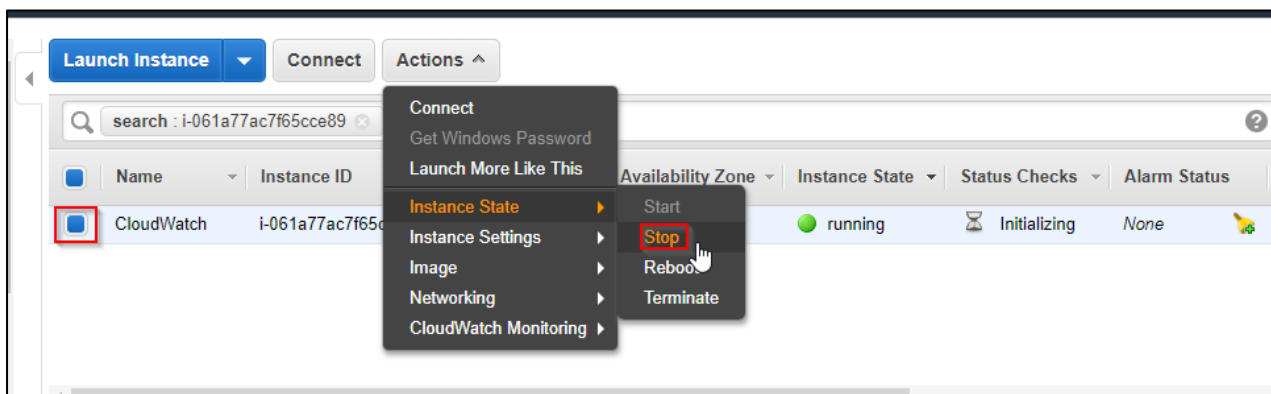
Step 9: Enter the **name** and **description**, at the end click on “Create Rule”



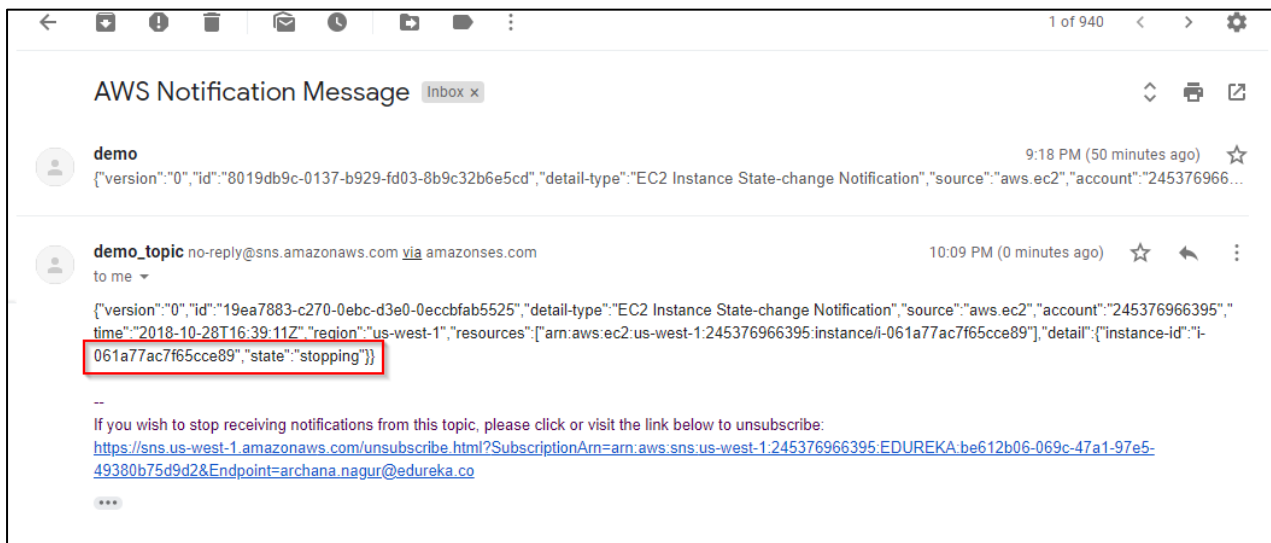
Step 10: Again go back to **services** and select “EC2”



Step 11: Here, launch an instance and **stop** it to verify the working of CloudWatch



Step 12: Check your mail inbox, if everything is working fine then you will receive a mail which informs you about the ***status of your instance***



Conclusion

The ***status*** of an ***EC2 instance*** has been successfully monitored by ***CloudWatch***