APPLICATION DEVELOPMENT ON CLOUD

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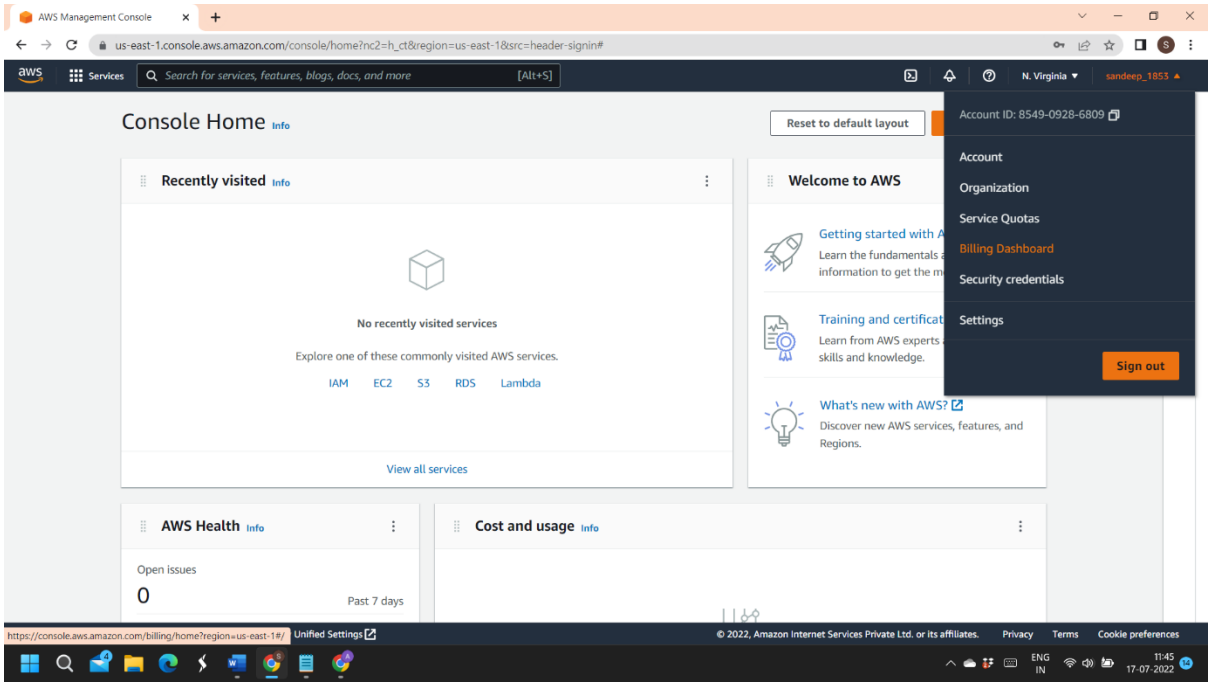
SECTION:01

1.Assume, now you are running a IT company and all the resources are in local on-premises setup. Now the company is growing faster and you are not having high capital investment. At the same time you want to improve the service to the customers. So, you had decided to go the cloud. Now, create an AWS account and set alarm for bill alerts which may cross $1 in cost for the services. So, that, if any service crosses the free tier limits, you be alerted.

Ans:

Step 1: Open billing dashboard with our own root account

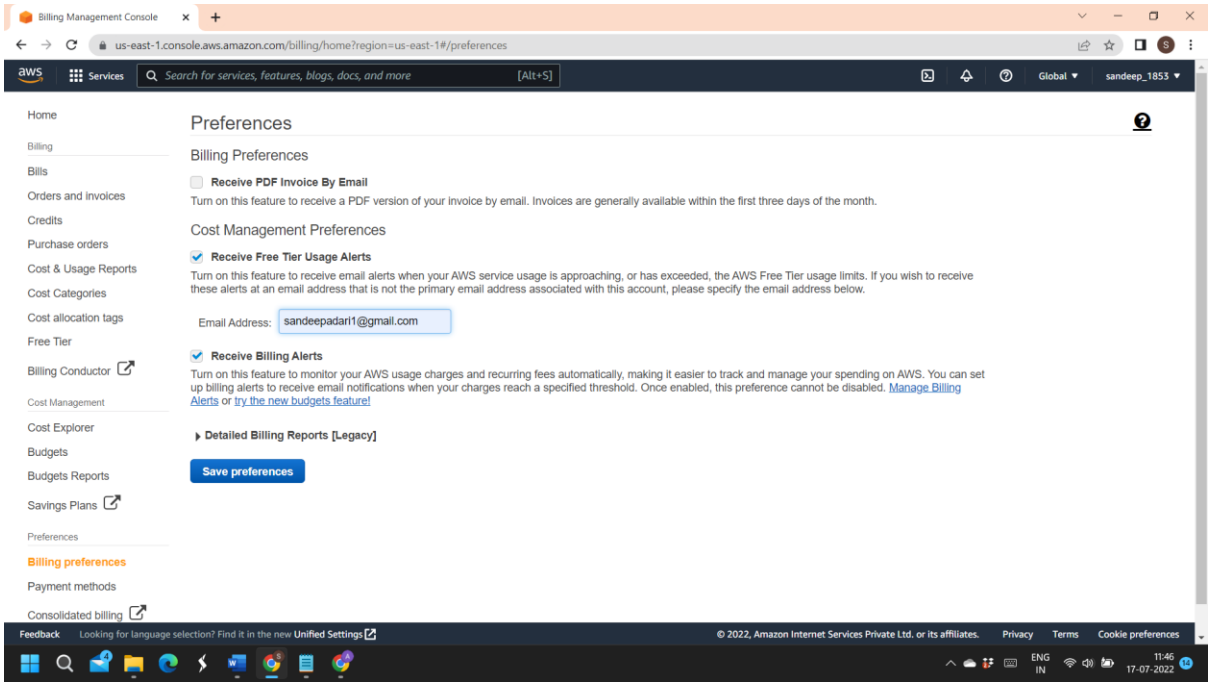


Step 2: Go to billing preferences

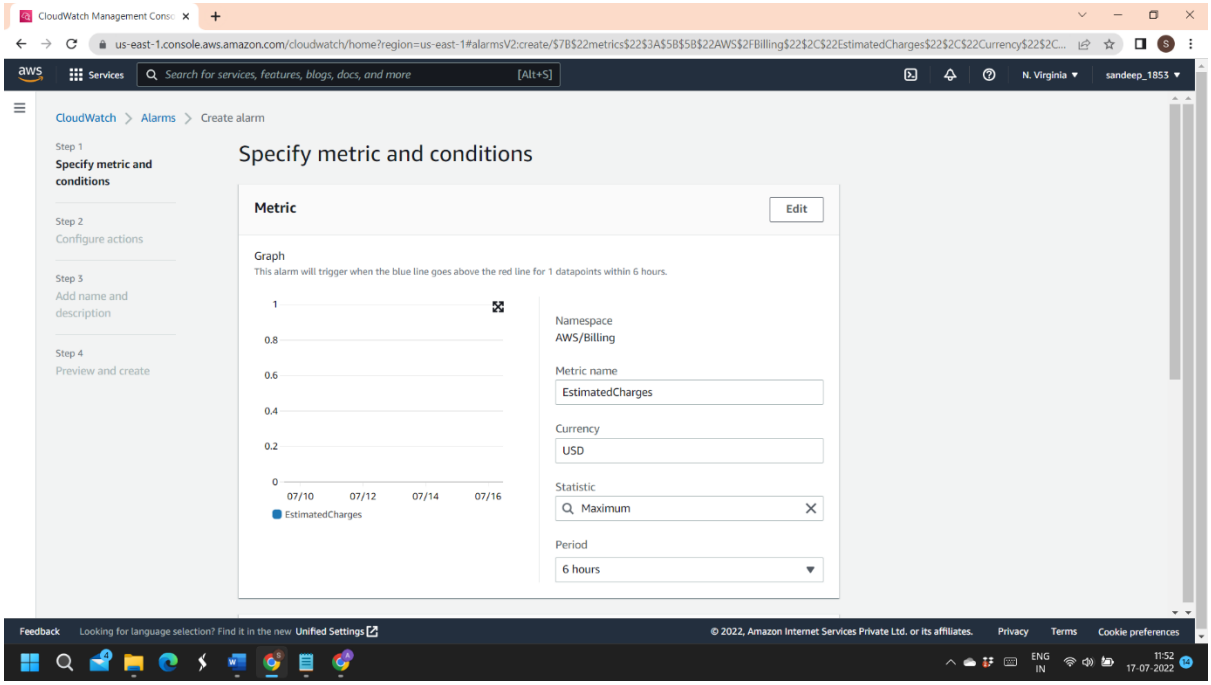
→Recieve free tier usage (select)

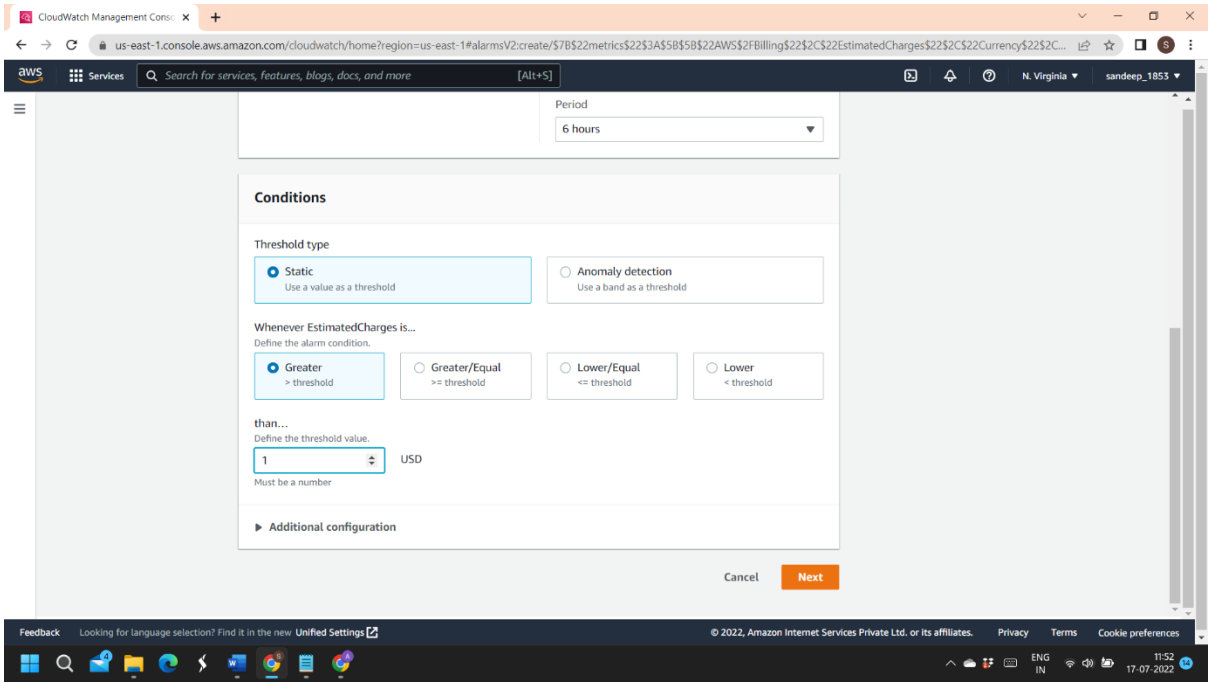
→Give root account email address

→Select (option) receive billing alerts



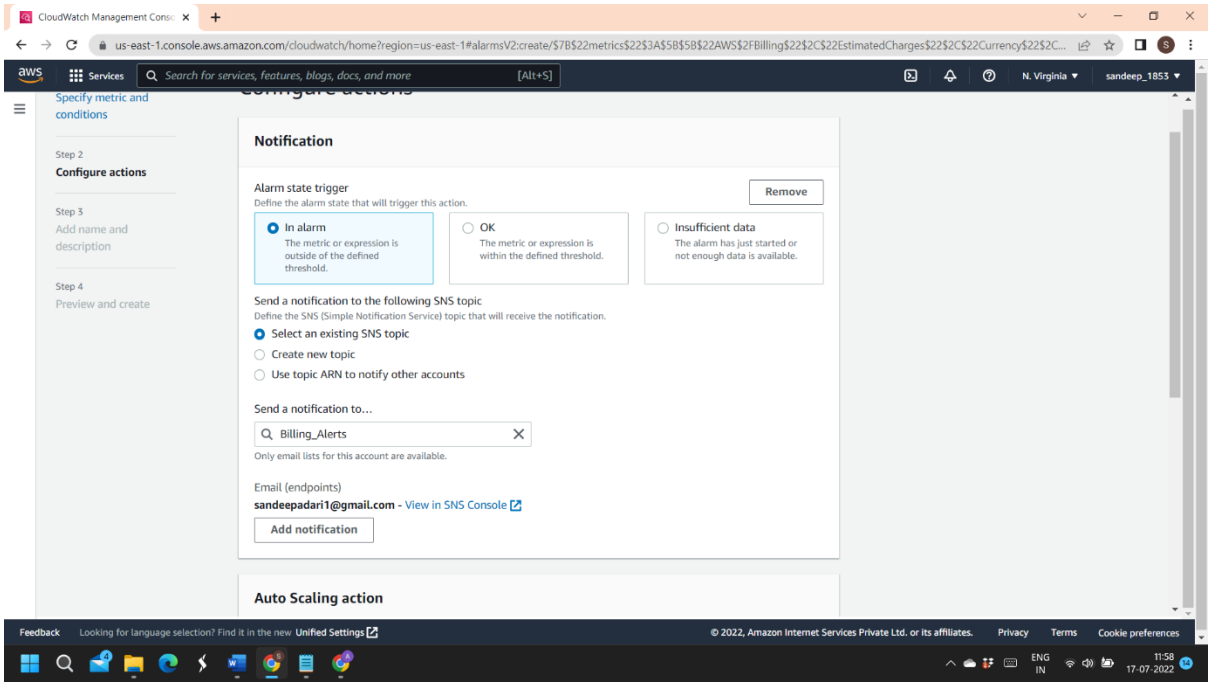
Step 3: Search for cloud watch→Go to billing →Create alarm →Currency → Usd →Threshold to 1$ →Click next

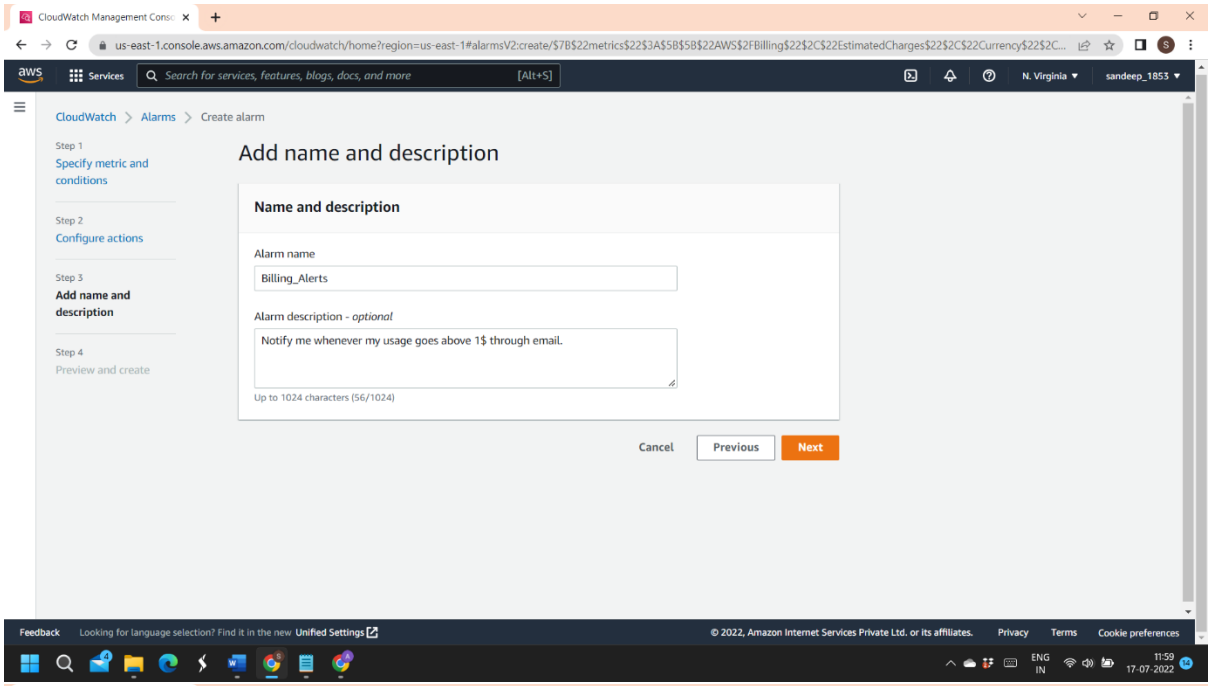




Step 4: Create new topic

→name as: Billing_Alerts →End point: email address →Create topic →View in “sns” console under topics →Click next →I can add name and description




CloudWatch Management Conso
us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#alarmsV2:create/$7B$22metrics$22$3A$5B$5B$22AWS$2FBilling$22$2C$22EstimatedCharges$22$2C$22Currency$22$2C...
Services
Search for services, features, blogs, docs, and more
[Alt+S]
N. Virginia
sandeep_1853
CloudWatch > Alarms > Create alarm
Step 1
Specify metric and conditions
Step 2
Configure actions
Step 3
Add name and description
Step 4
Preview and create
Add name and description
Name and description
Alarm name
Billing_Alerts
Alarm description - optional
Notify me whenever my usage goes above 1$ through email.
Up to 1024 characters (56/1024)
Cancel
Previous
Next
Feedback
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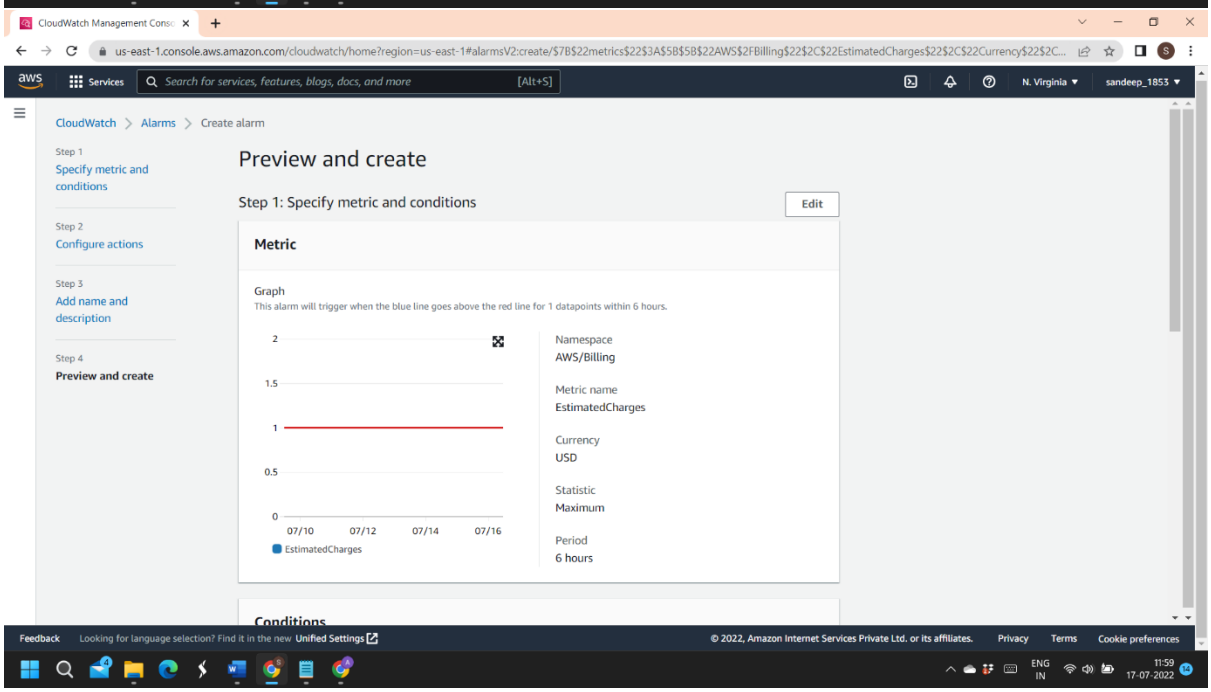
CloudWatch Management Conso
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Services
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sandeep_1853
CloudWatch > Alarms > Create alarm
Step 1
Specify metric and conditions
Step 2
Configure actions
Step 3
Add name and description
Step 4
Preview and create
Preview and create
Step 1: Specify metric and conditions
Edit
Metric
Graph
This alarm will trigger when the blue line goes above the red line for 1 datapoints within 6 hours.
2
1.5
1
0.5
0
07/10
07/12
07/14
07/16
EstimatedCharges
Namespace
AWS/Billing
Metric name
EstimatedCharges
Currency
USD
Statistic
Maximum
Period
6 hours
Conditions
Feedback
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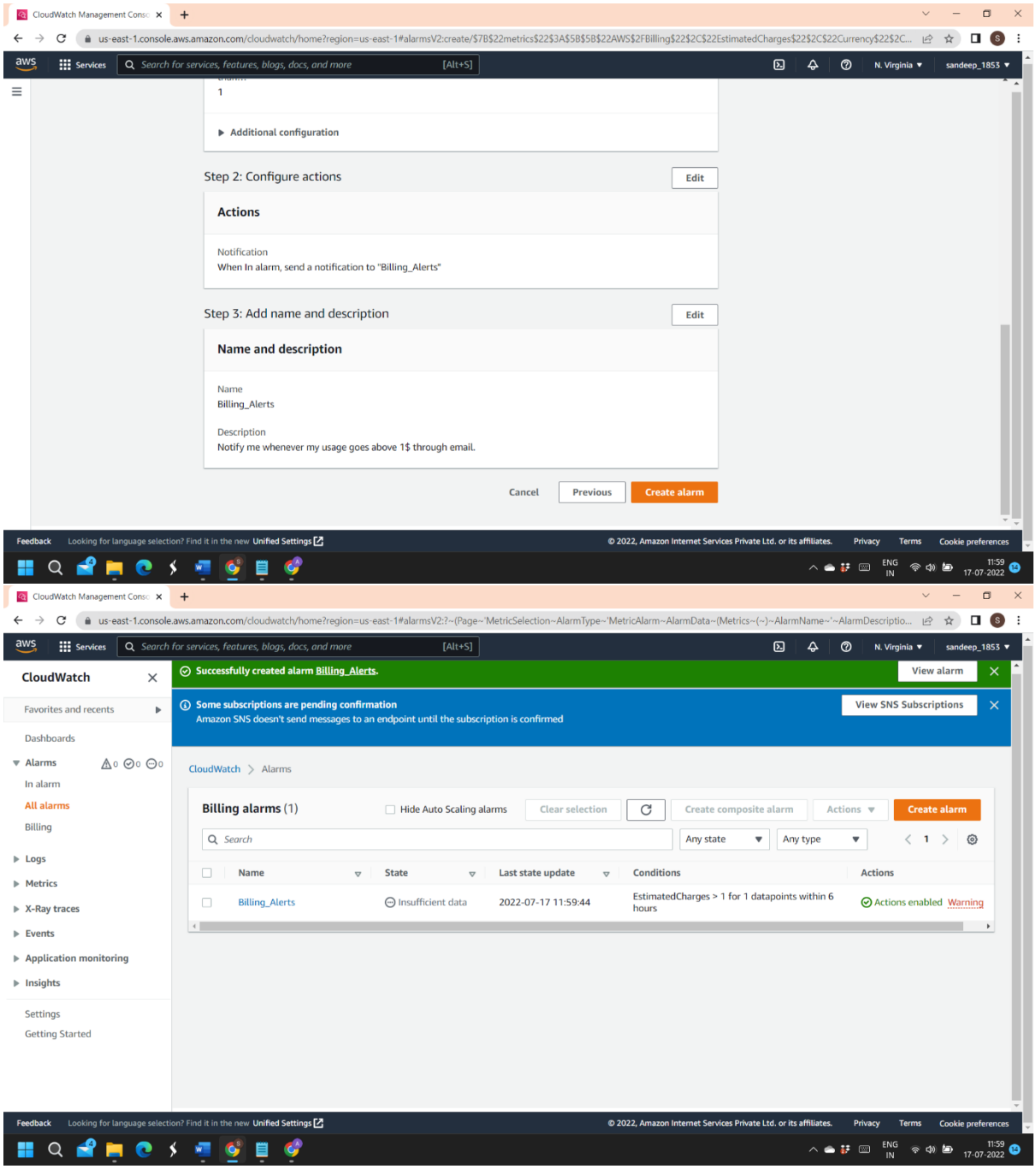
CloudWatch Management Consc
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Services
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1
Additional configuration
Step 2: Configure actions
Edit
Actions
Notification
When In alarm, send a notification to "Billing_Alerts"
Step 3: Add name and description
Edit
Name and description
Name
Billing_Alerts
Description
Notify me whenever my usage goes above 1$ through email.
Cancel
Previous
Create alarm
Feedback
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11:59
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CloudWatch Management Consc
us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#alarmsV2:?~(Page~'MetricSelection~AlarmType~'MetricAlarm~AlarmData~(Metrics~(~)~AlarmName~'~AlarmDescriptio...
Services
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CloudWatch
Favorites and recents
Dashboards
Alarms
In alarm
All alarms
Billing
Logs
Metrics
X-Ray traces
Events
Application monitoring
Insights
Settings
Getting Started
Successfully created alarm Billing_Alerts.
View alarm
Some subscriptions are pending confirmation
Amazon SNS doesn't send messages to an endpoint until the subscription is confirmed
View SNS Subscriptions
CloudWatch
Alarms
Billing alarms (1)
Hide Auto Scaling alarms
Clear selection
Create composite alarm
Actions
Create alarm
Search
Any state
Any type
Name
State
Last state update
Conditions
Actions
Billing_Alerts
Insufficient data
2022-07-17 11:59:44
EstimatedCharges > 1 for 1 datapoints within 6 hours
Actions enabled
Warning
Feedback
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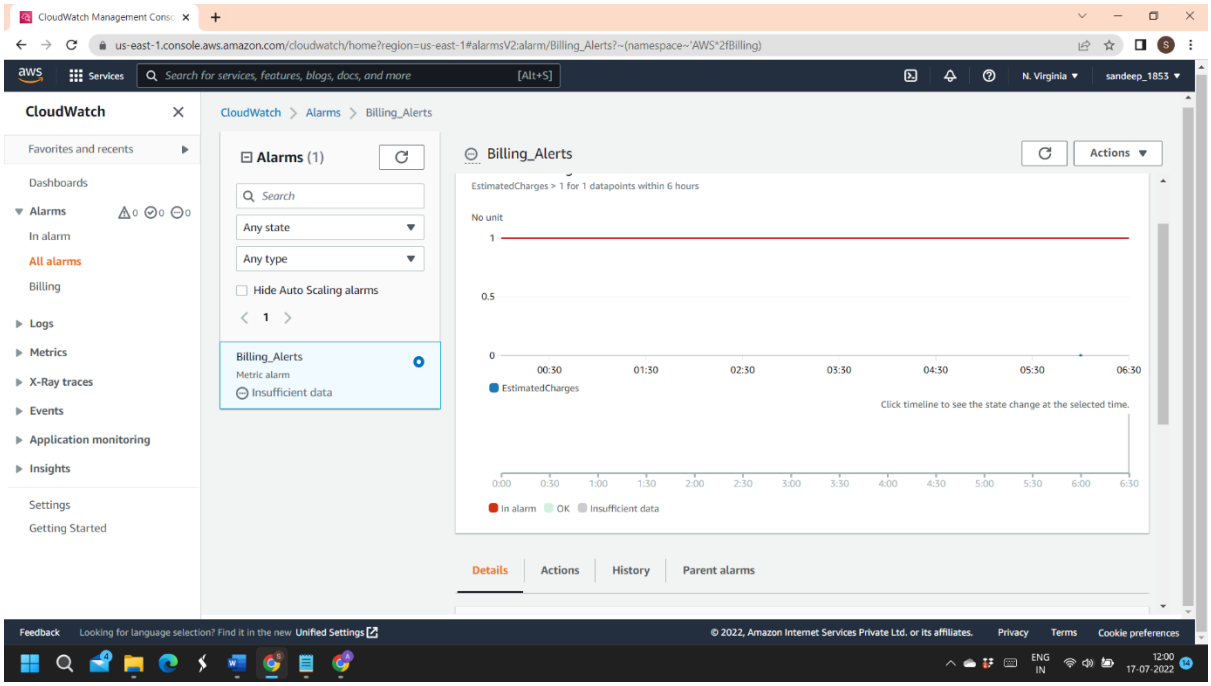
ENG
IN
11:59
17-07-2022


CloudWatch Management Conso
us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#alarmsV2:alarm/Billing_Alerts?~(namespace~'AWS*2fBilling)
Services
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CloudWatch
Favorites and recents
Dashboards
Alarms
In alarm
All alarms
Billing
Logs
Metrics
X-Ray traces
Events
Application monitoring
Insights
Settings
Getting Started
CloudWatch > Alarms > Billing_Alerts
Alarms (1)
Search
Any state
Any type
Hide Auto Scaling alarms
Billing_Alerts
Metric alarm
Insufficient data
Billing_Alerts
Actions
EstimatedCharges > 1 for 1 datapoints within 6 hours
No unit
1
0.5
0
00:30
01:30
02:30
03:30
04:30
05:30
06:30
EstimatedCharges
Click timeline to see the state change at the selected time.
In alarm
OK
Insufficient data
Details
Actions
History
Parent alarms
Feedback
Looking for language selection? Find it in the new Unified Settings
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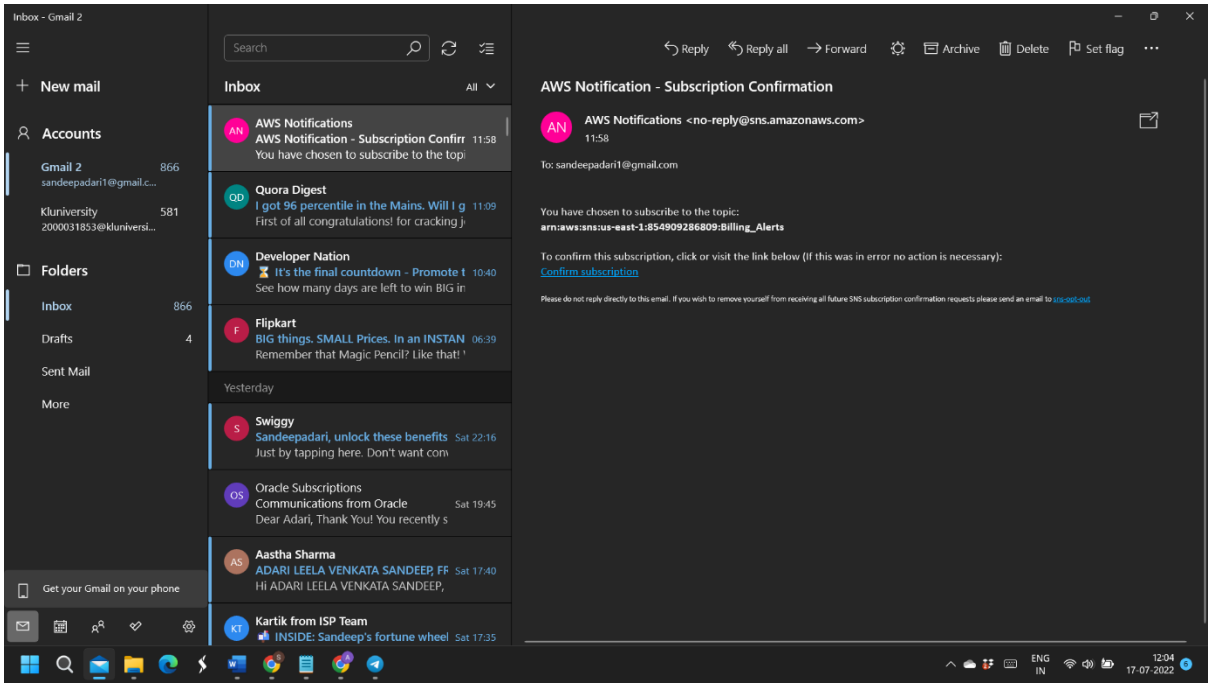
Inbox - Gmail 2
New mail
Accounts
Gmail 2
sandeepadari1@gmail.c...
866
Kluniversity
2000031853@kluniversi...
581
Folders
Inbox
866
Drafts
4
Sent Mail
More
Get your Gmail on your phone
Search
Inbox
All
AWS Notifications
AWS Notification - Subscription Confirr
11:58
You have chosen to subscribe to the topi
Quora Digest
I got 96 percentile in the Mains. Will I g
11:09
First of all congratulations! for cracking j
Developer Nation
It's the final countdown - Promote t
10:40
See how many days are left to win BIG in
Flipkart
BIG things. SMALL Prices. In an INSTAN
06:39
Remember that Magic Pencil? Like that!
Yesterday
Swiggy
Sandeepadari, unlock these benefits
Sat 22:16
Just by tapping here. Don't want con
Oracle Subscriptions
Communications from Oracle
Sat 19:45
Dear Adari, Thank You! You recently s
Aastha Sharma
ADARI LEELA VENKATA SANDEEP, FF
Sat 17:40
Hi ADARI LEELA VENKATA SANDEEP,
Kartik from ISP Team
INSIDE: Sandeep's fortune wheel
Sat 17:35
Reply
Reply all
Forward
Archive
Delete
Set flag
AWS Notification - Subscription Confirmation
AWS Notifications <no-reply@sns.amazonaws.com>
11:58
To: sandeepadari1@gmail.com
You have chosen to subscribe to the topic:
arn:aws:sns:us-east-1:854909286809:Billing_Alerts
To confirm this subscription, click or visit the link below (If this was in error no action is necessary):
Confirm subscription
Please do not reply directly to this email. If you wish to remove yourself from receiving all future SNS subscription confirmation requests please send an email to
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IN
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