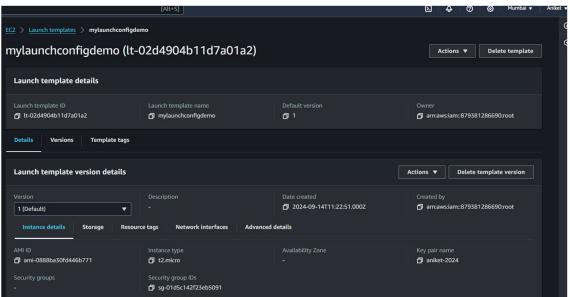


AUTO SCALING PRATICAL

DATE 12/09/2024

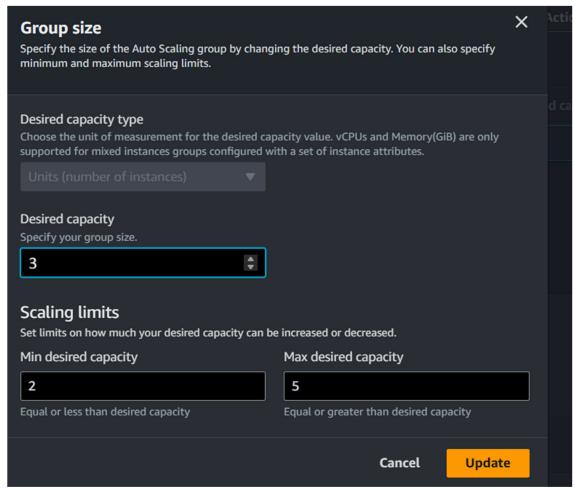
1) LAUNCH TEMPLETE



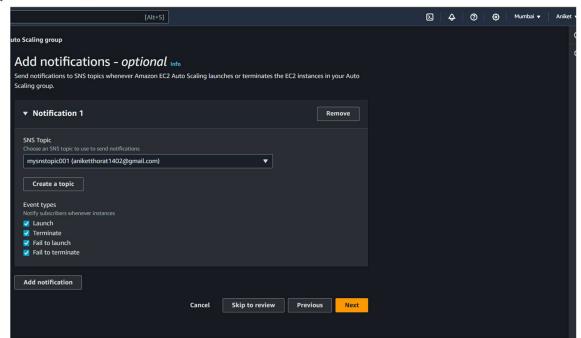
2) CREATE AUTOSCALING GROUP AND SELECT THE TEMPLETE

STEPS FOR CREATEING AUTOSCALIG GROUP.....

3) CONFIGURE GROUP SIZE AND SCALING



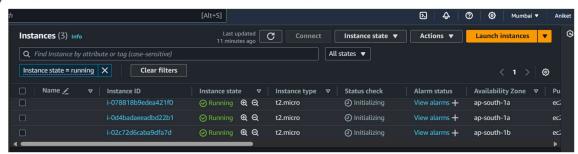
4) ADD SNS TOPIC



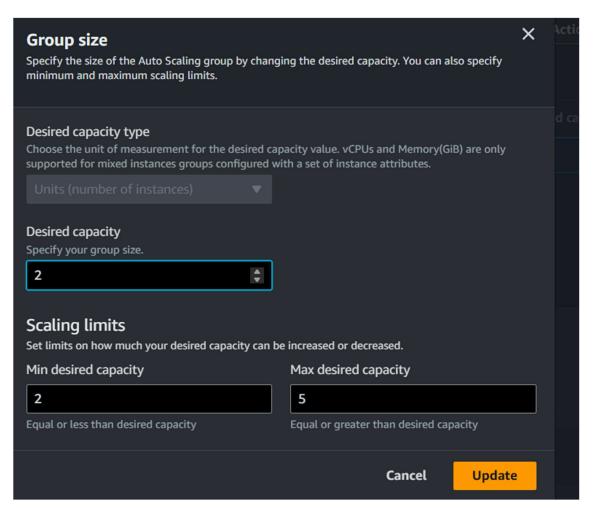
5) AUTO SCALING GROUP CREATED



6) INSTANCE HAS BEEN CREATED AS PER WE MENTION



7) MANUAL SCALING - IF I CHANGE THE DESIRE CAPACITY '2'



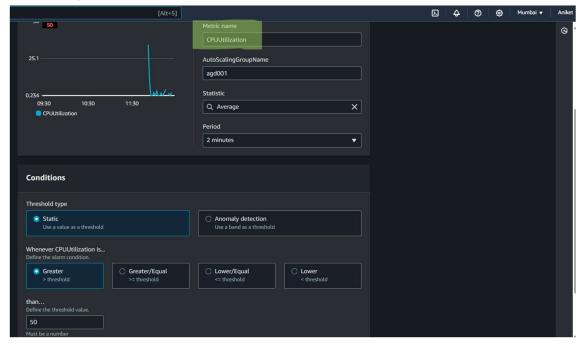
THEN ONE OF THE INSTANCE WILL TERMINATE



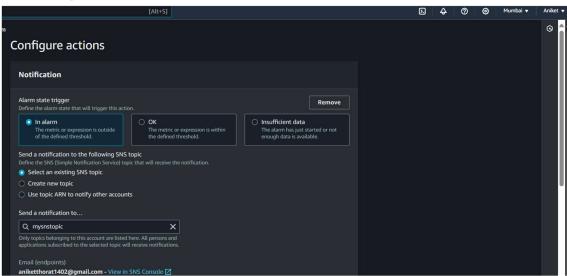
AUTOMATIC SCALING –

1. CREATE A ALARM FOR AUTO SCALING GROUP

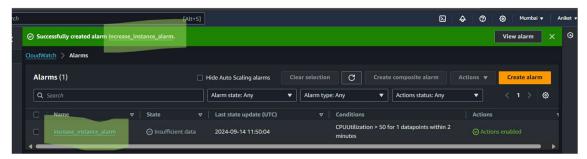
A .SELECT MATTIC (CPU UTILIZATION) And SELECT 2 minutes of timeperiod and threshold value of >50



SELECT IN WHICH STATE ALARM NEED TO BE TRIGGED (IN ALARM) AND ADD SNS TOPIC



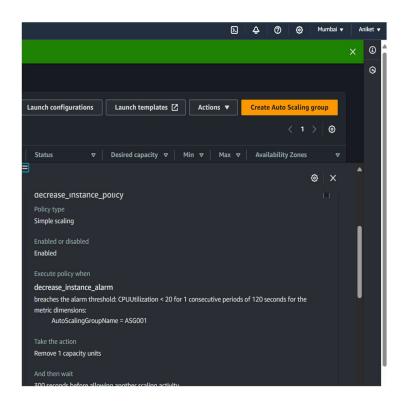
AND NOW JUST GIVE NAME (INCREASE _INSTANCE_ALARM) TO ALARM AND ALARM HAS BEEN CREATED



2. CREATE DYNAMIC POLICY AND AND ADD ALARM TAKE

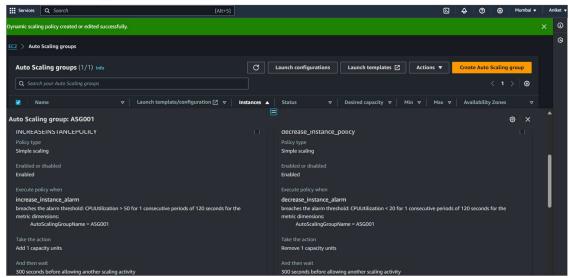
3. CREATE ONE MORE ALARM

(DECREASE_INSTANCE_ALARM) THRESHOLD VALUE SHOULD BE <20,
AND CREATE ONE MORE DYNAMIC POLICY TAKE ACTION REMOVE '1'



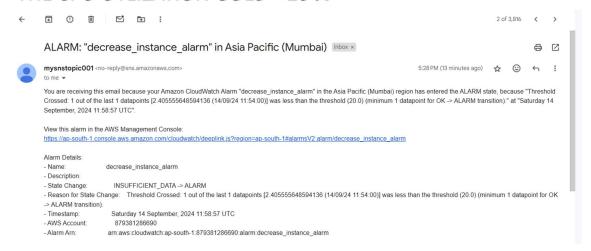
WE HAVE CREATED TWO DYNAMIC POLICY

- I. INCREASE_INSTANCE_POLICY
- II. DECREASE_INSTANCE_POLICY

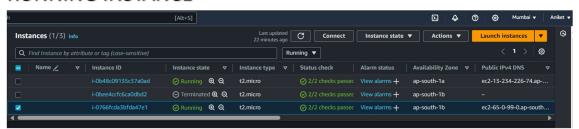


1. NOW WE CAN SEE THE DECREASE_INSTANCE_ALRM HAS BEEN TRIGGRED BECAUSE

THE CPU UTLIZATION GOES <20 %



NOW ONE INSTANCE WILL BE TERMINATED FORM RUNNING INSTANCE

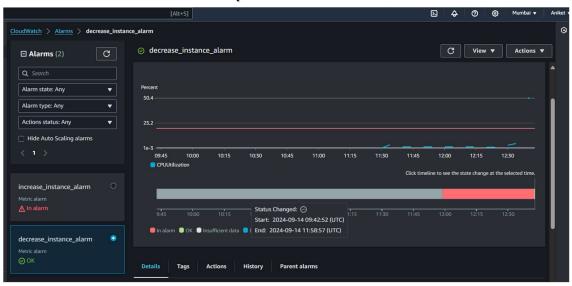


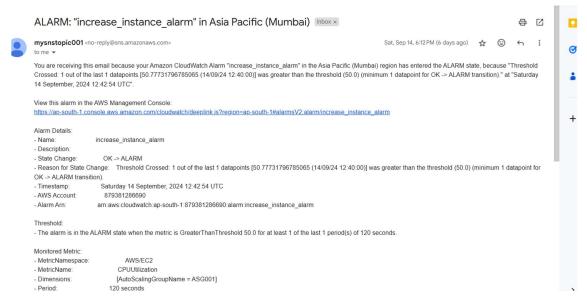
2. TO TRIGGER THE INCREASE_INSTANCE ALARM WE HAVE TO INCREASE THE CPU UTILIZATION WE WILL DO THAT BY INSTALLING 'STRESS' ON BOTH THE RUNNING INSTANCES

ENTER THE COMMAND for increasing cpu utilization 'stress __cpu 20 -timeout 1000 '

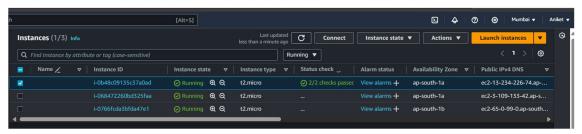
```
root@ip-172-31-5-4:~
warning: /var/cache/yum/x86_64/2/epel/packages/stress-1.0.4-16.el7.x86_64.rpm: H
eader V3 RSA/SHA256 Signature, key ID 352c64e5: NOKEY
Public key for stress-1.0.4-16.el7.x86 64.rpm is not installed
stress-1.0.4-16.el7.x86 64.rpm
Retrieving key from file:///etc/pki/rpm-gpg/RPM-GPG-KEY-EPEL-7
Importing GPG key 0x352C64E5:
          : "Fedora EPEL (7) <epel@fedoraproject.org>"
 Userid
 Fingerprint: 91e9 7d7c 4a5e 96f1 7f3e 888f 6a2f aea2 352c 64e5
           : epel-release-7-11.noarch (@amzn2extra-epel)
            : /etc/pki/rpm-gpg/RPM-GPG-KEY-EPEL-7
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
 Installing : stress-1.0.4-16.el7.x86 64
 Verifying : stress-1.0.4-16.el7.x86 64
  stress.x86 64 0:1.0.4-16.el7
Complete!
 root@ip-172-31-5-4 ~] # stress --cpu 20 --timeout 1000
 tress: info: [3579] dispatching hogs: 20 cpu, 0 io, 0 vm, 0 hdd
```

1. Now we can check the cup utilization increases





Now it will take action and create '1' instance



Thankyou....