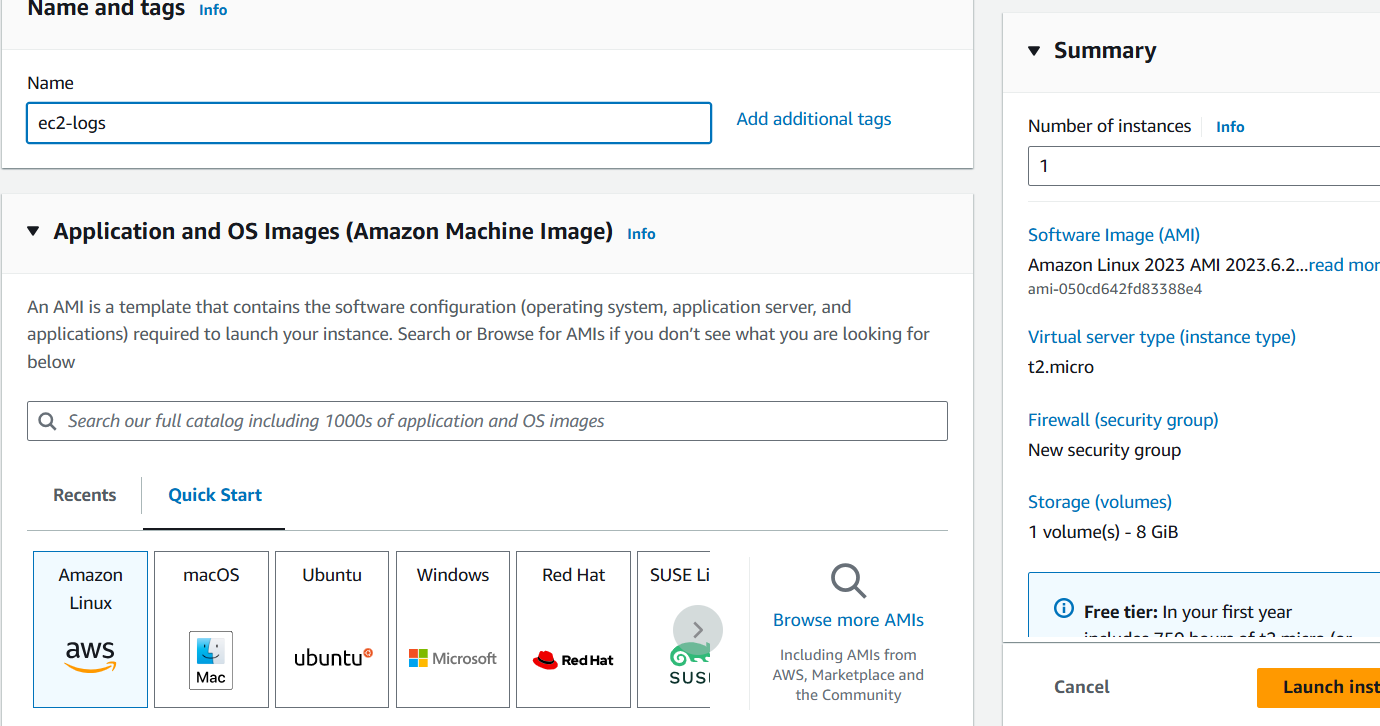
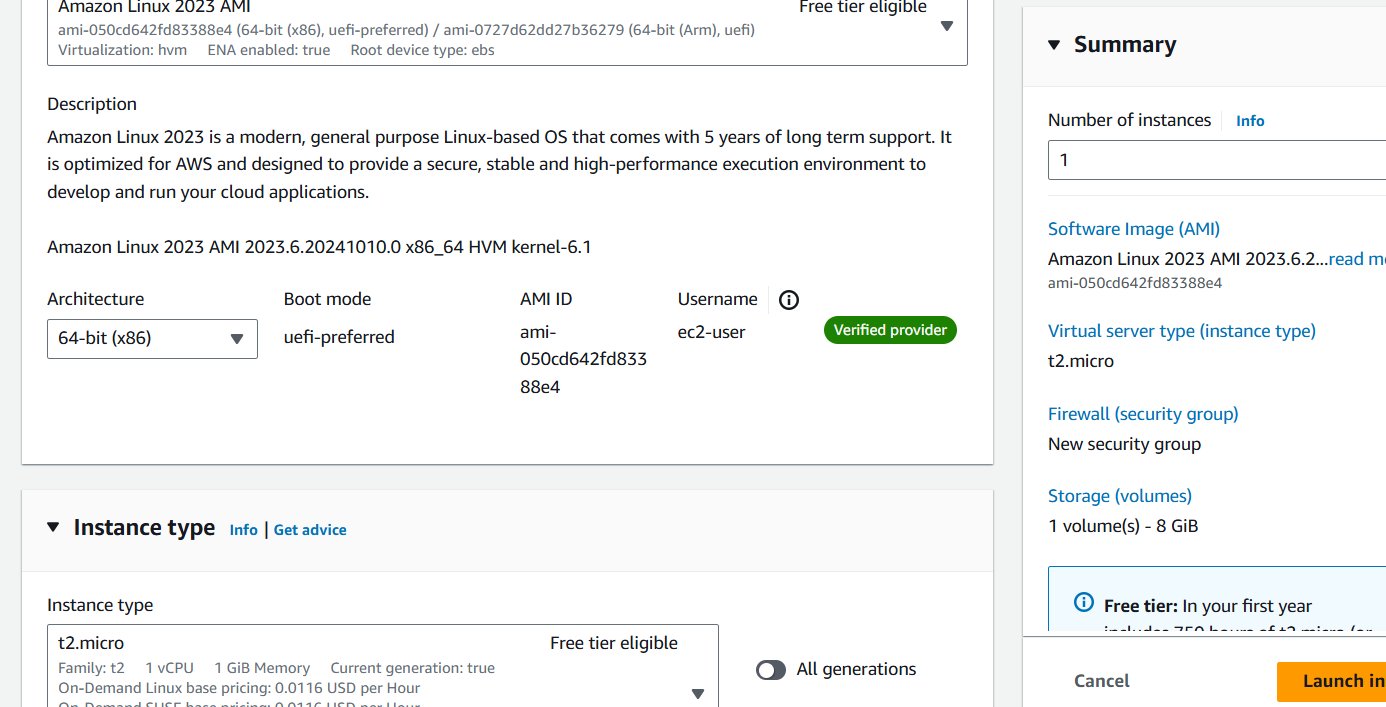
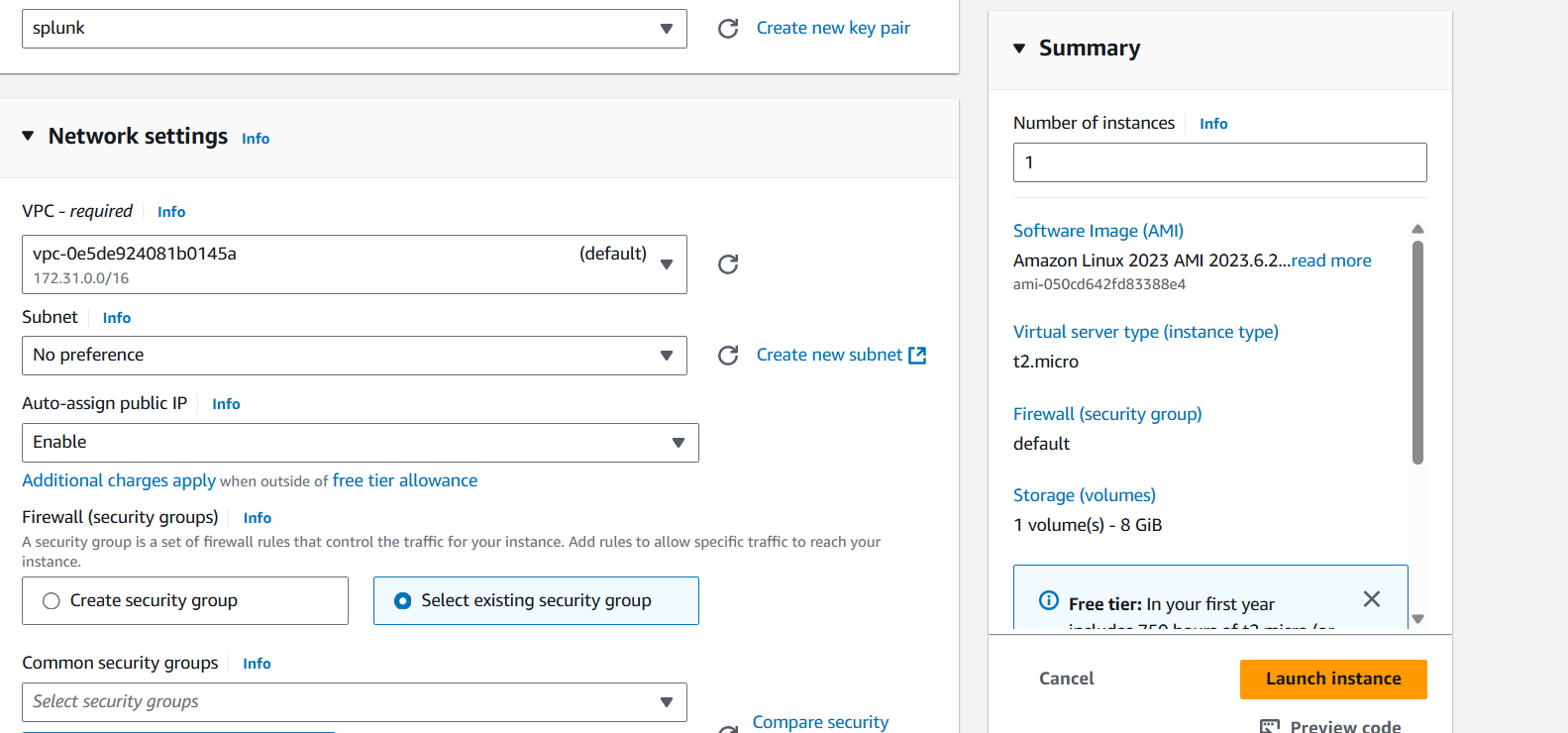
FORWORD EC2-LOGS INTO CLOUDWATCH

METHOD-1

Create ec2 with below shown configuration



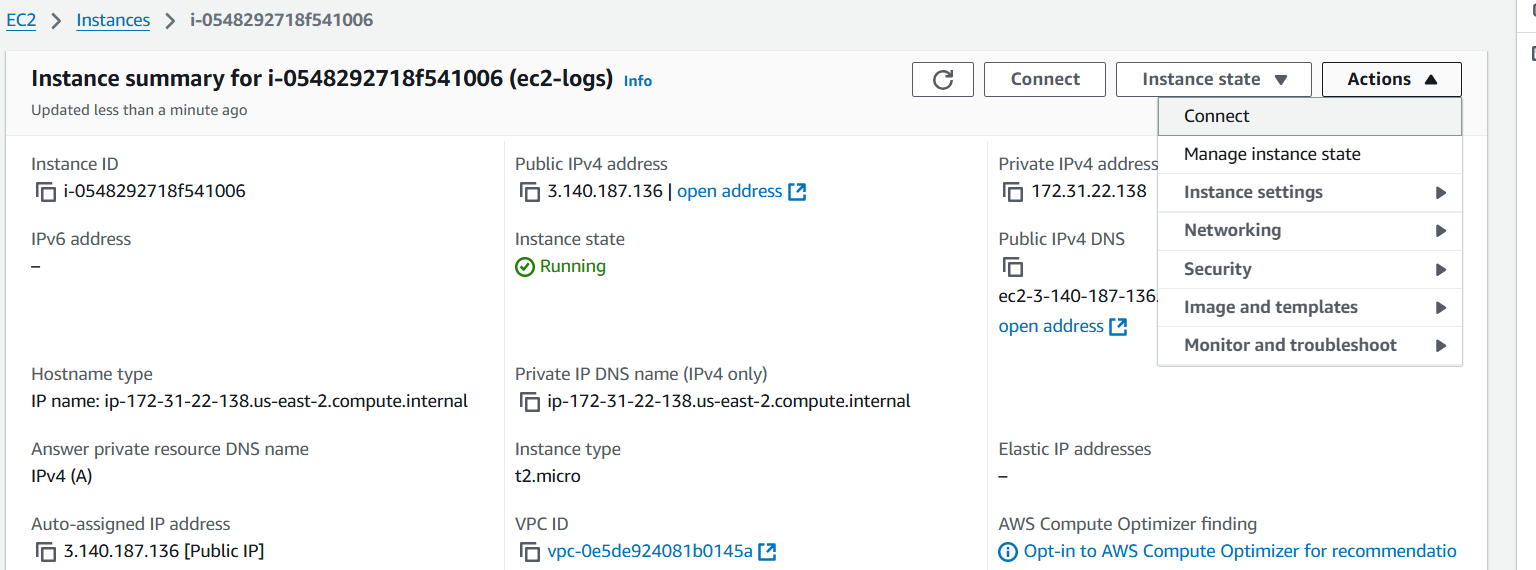




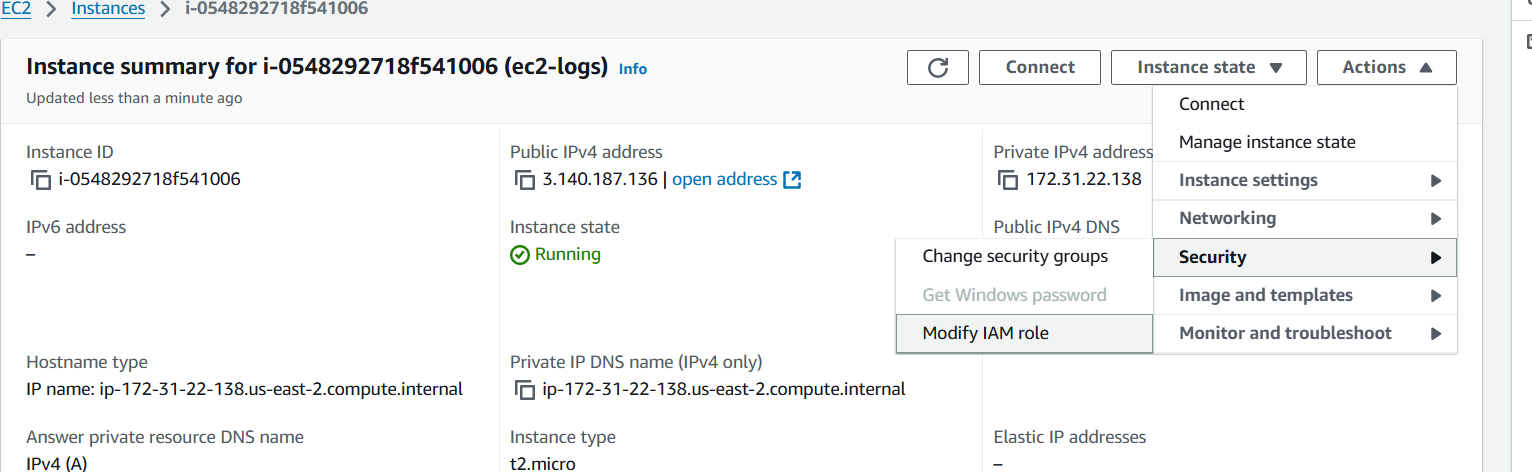
Click on Launch instance

Create IAM role for ec2 add administration access

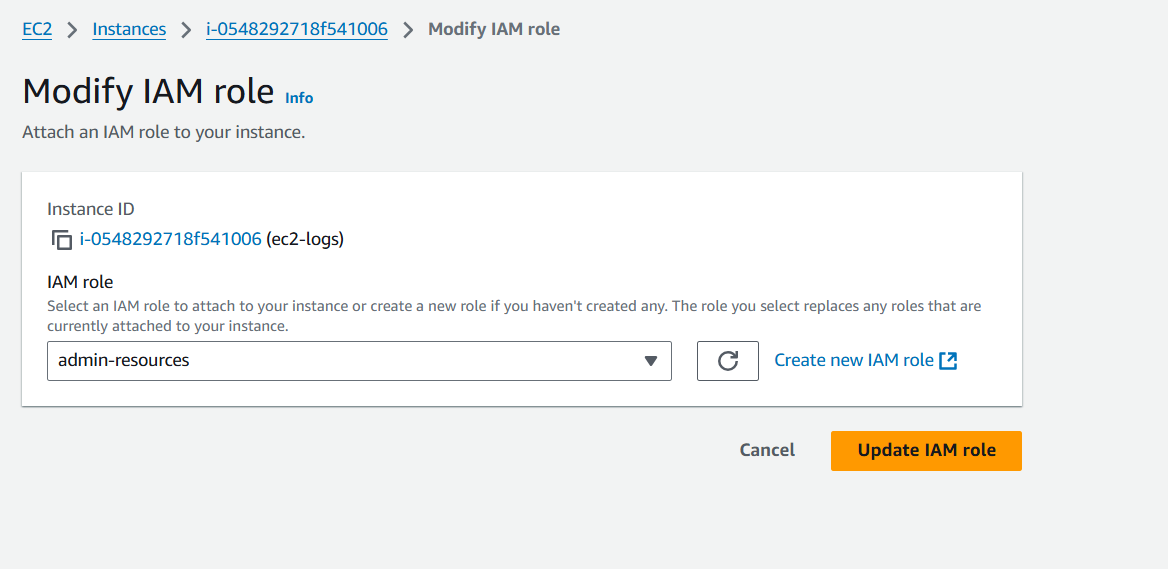
* Open the instance
* Click on action



* click on security
* select Modify IAM role



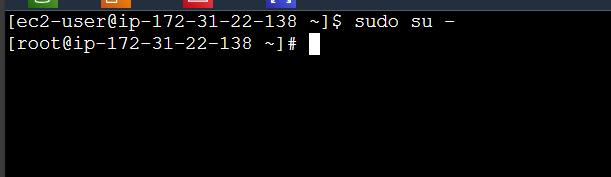
* add your IAM ROLE HERE
* thewn update iam role



* connect to instam

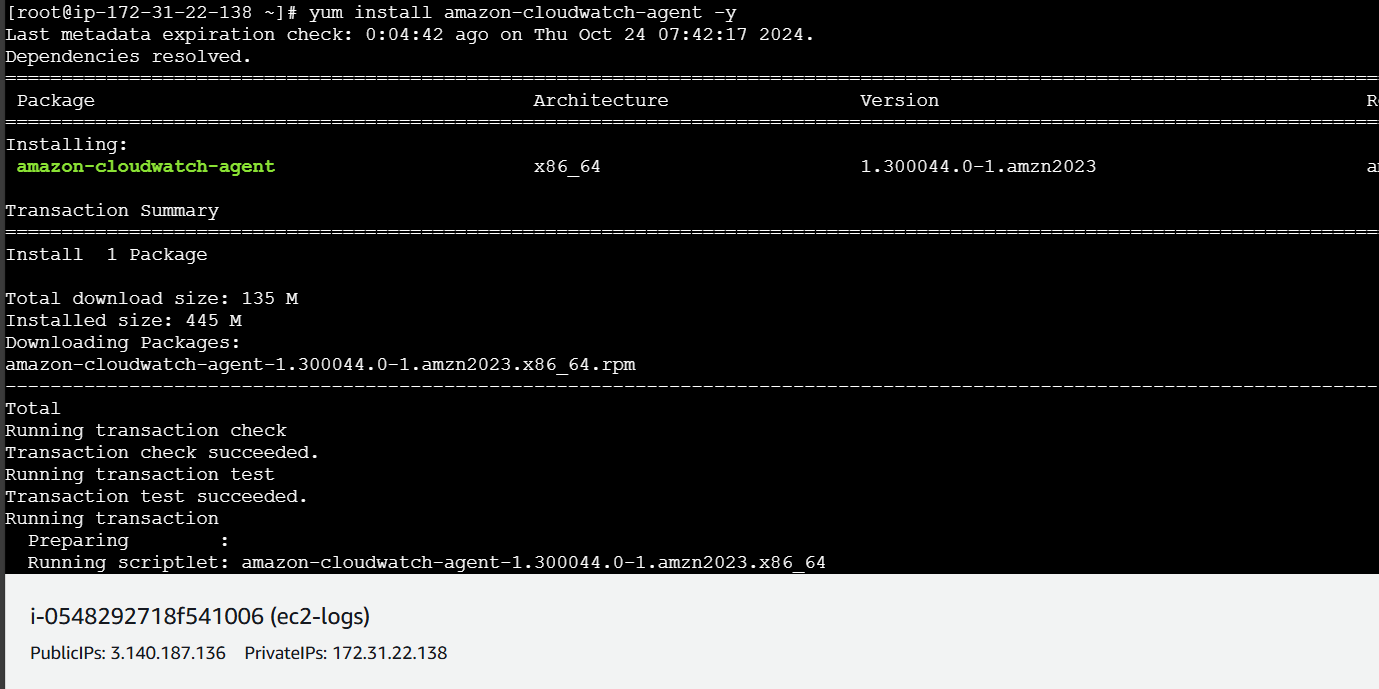
* switch to root user

sudo su -



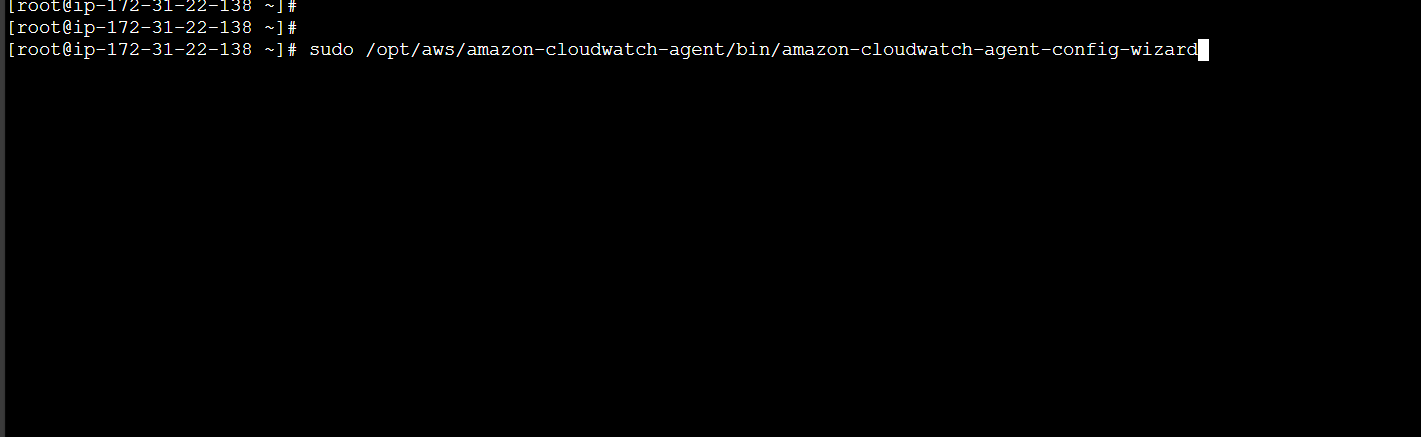
* install cloud watch agent

yum install amazon-cloudwatch-agent -y

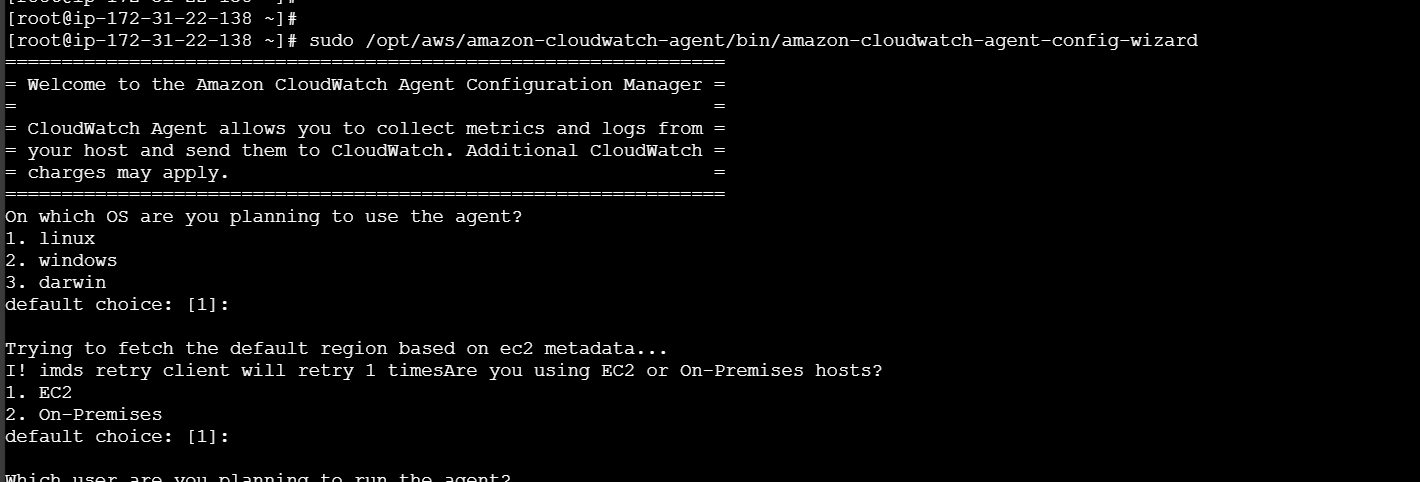


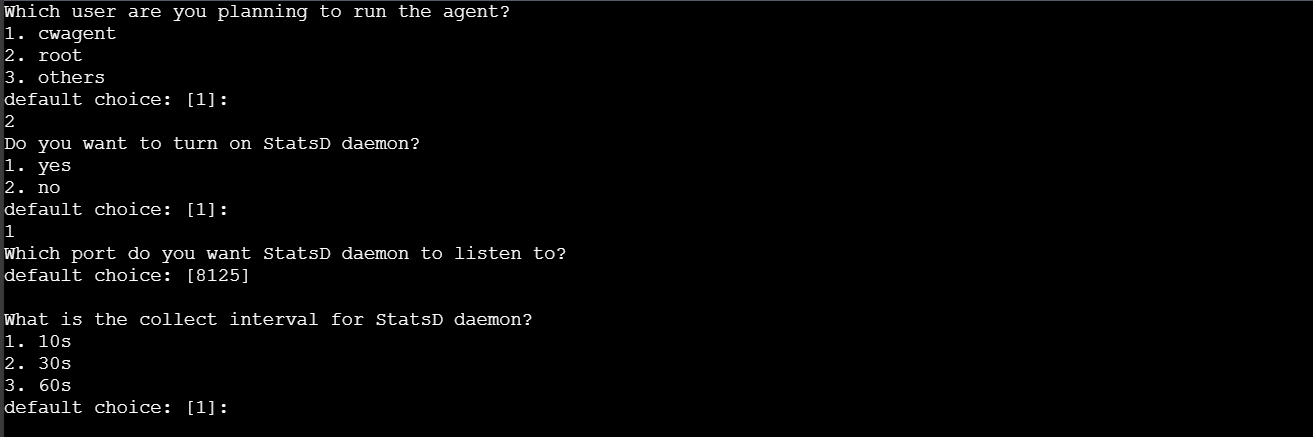
* set the configuration file amazon cloud watch agent
* use below command

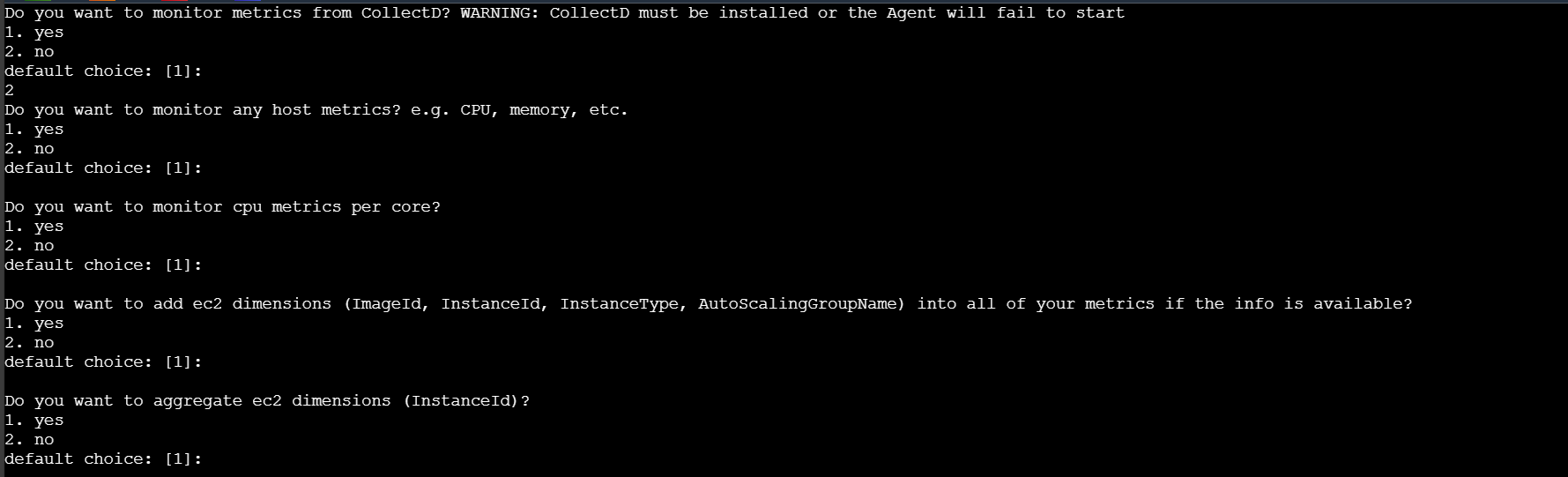
sudo /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-config-wizard

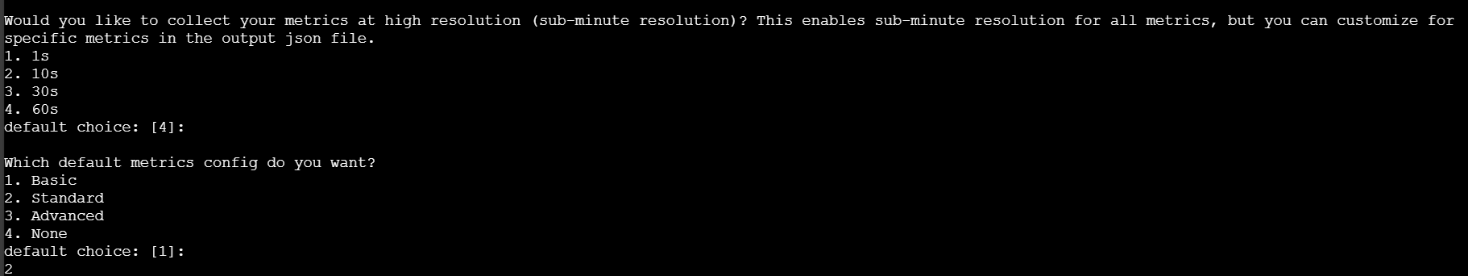


* Follow bellow process
* If we continues default option one just give enter
* Observe carefully

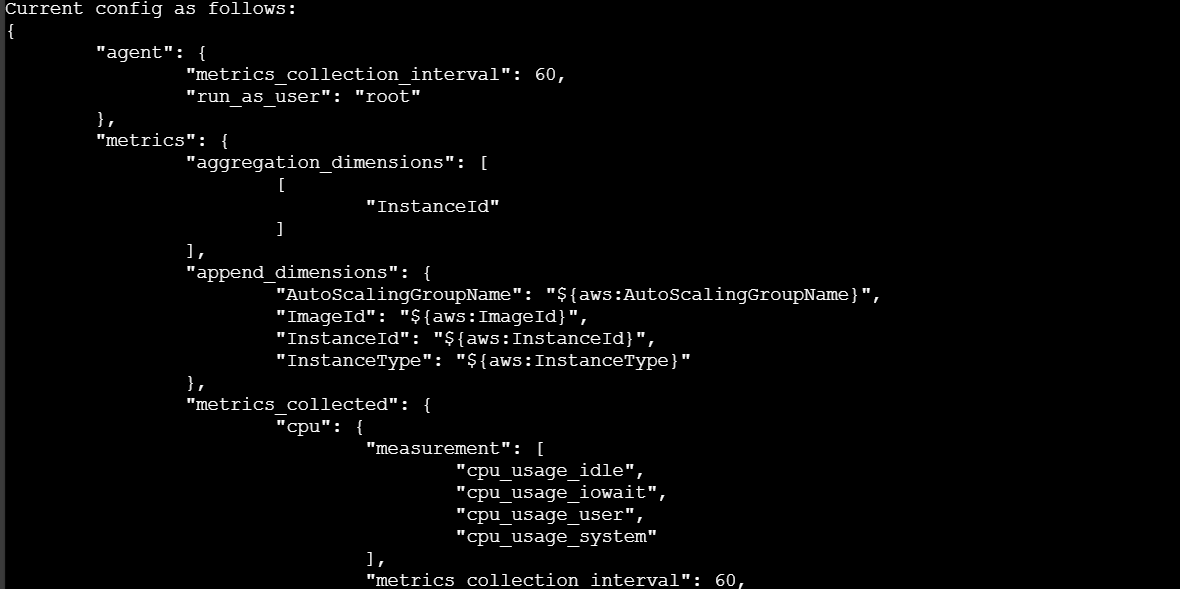


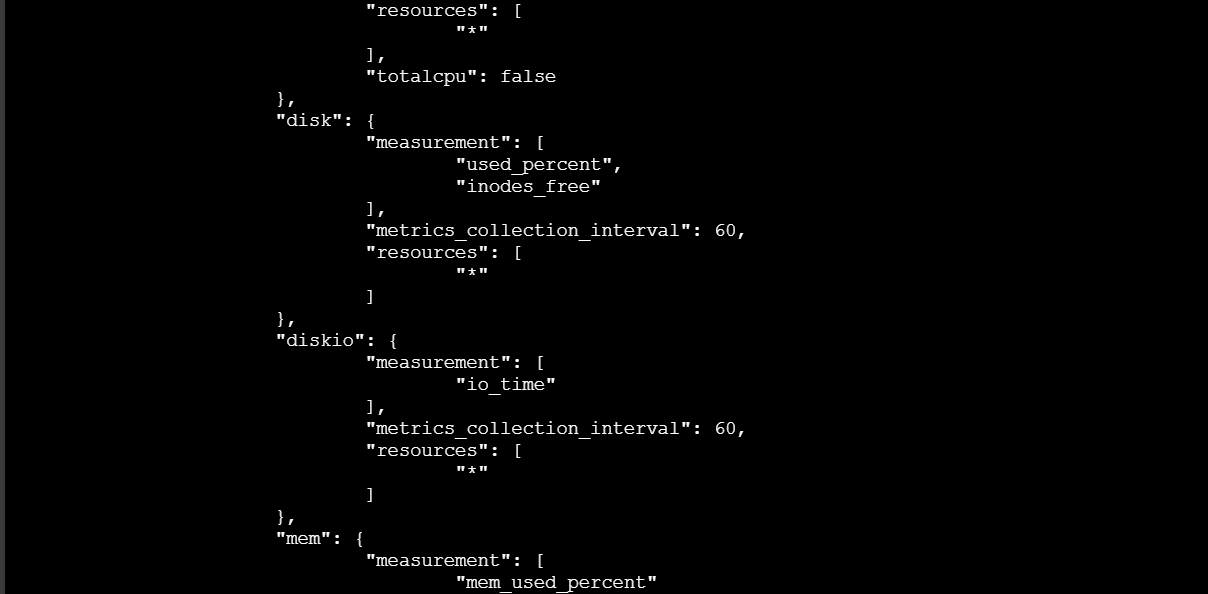


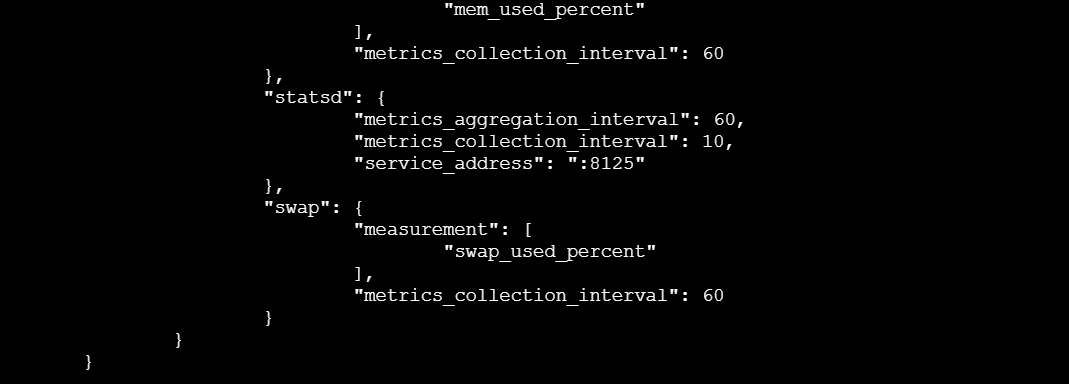




* You will get this type of Config json file out put



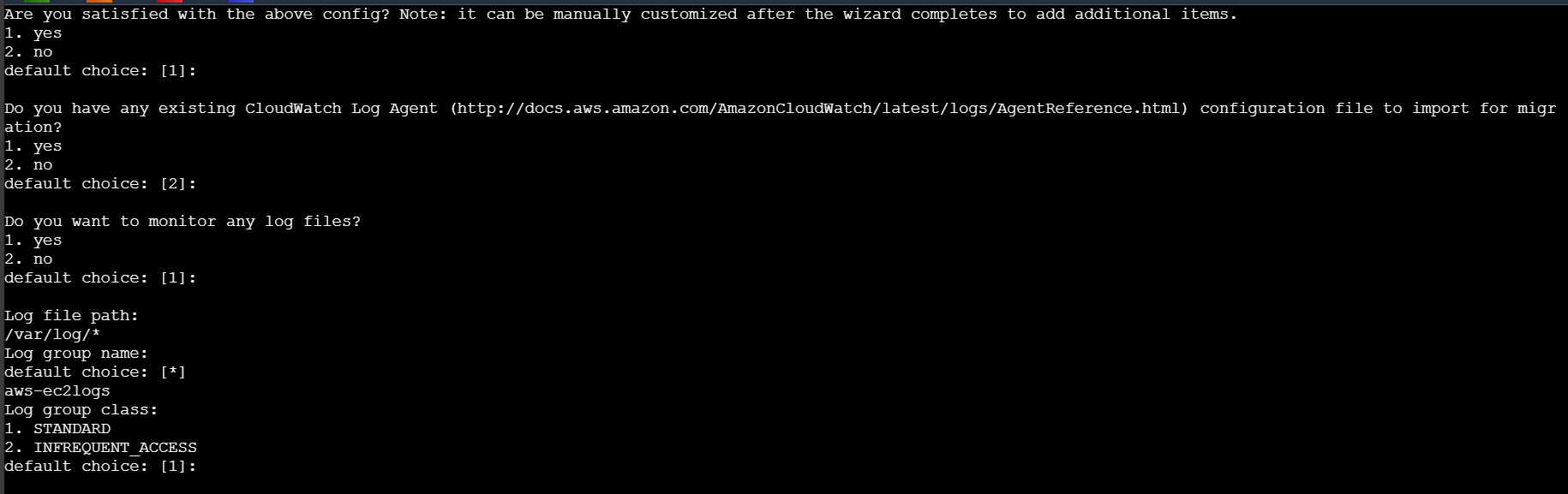




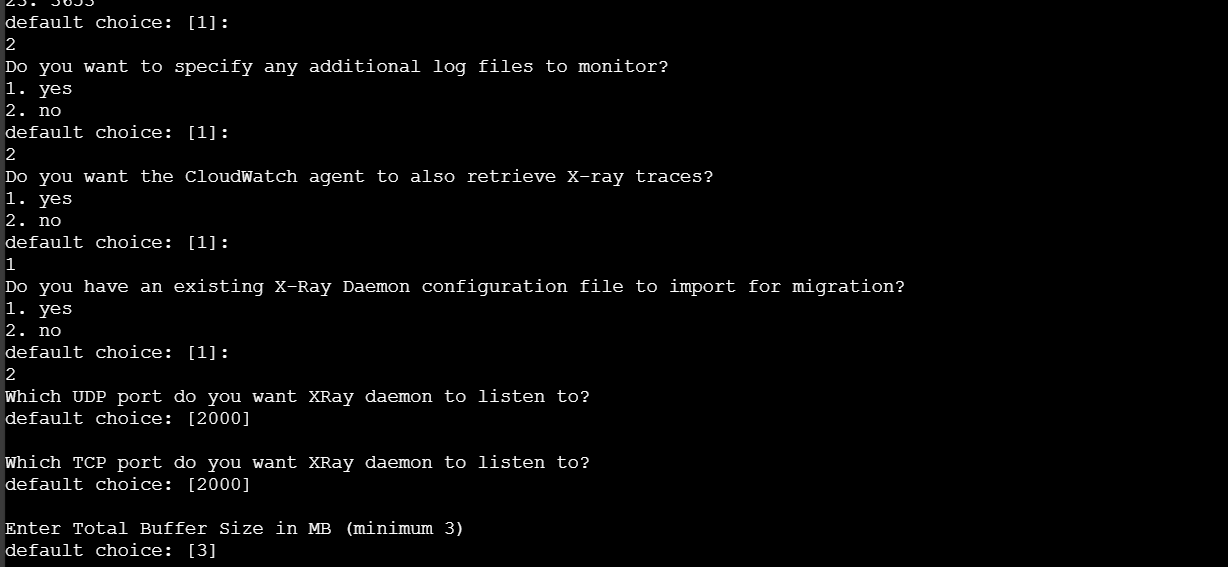
* Carefully enter log file path

/var/log/\*

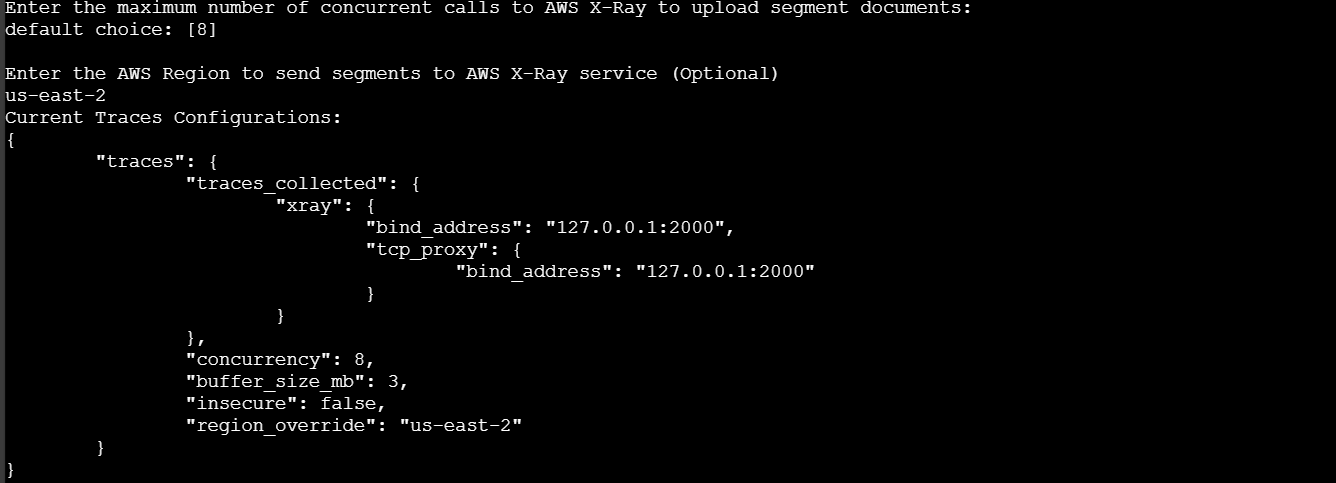
Above path will monitor entire ec2 logs

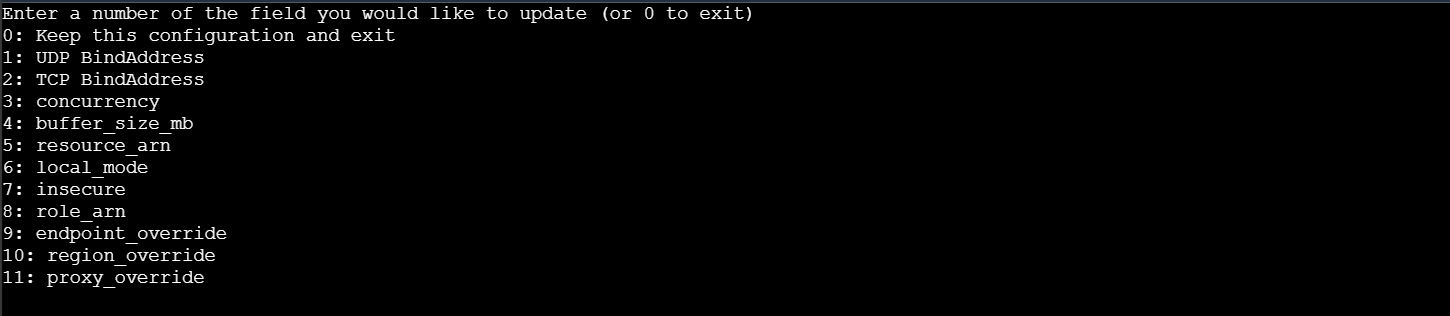




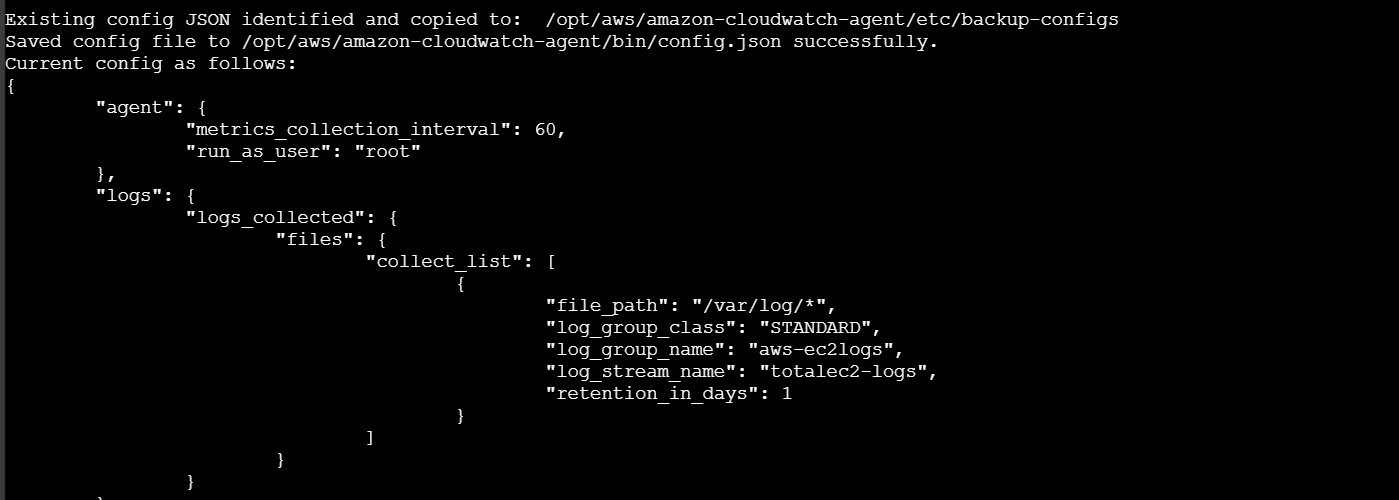


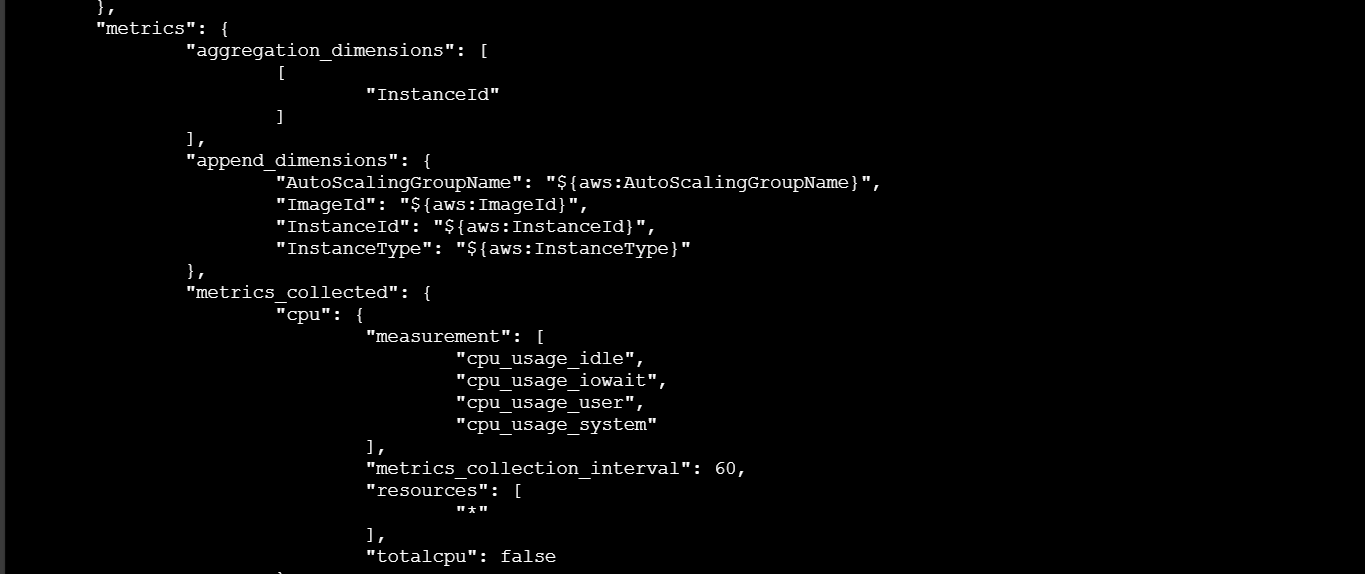
* After above process you will get Json output

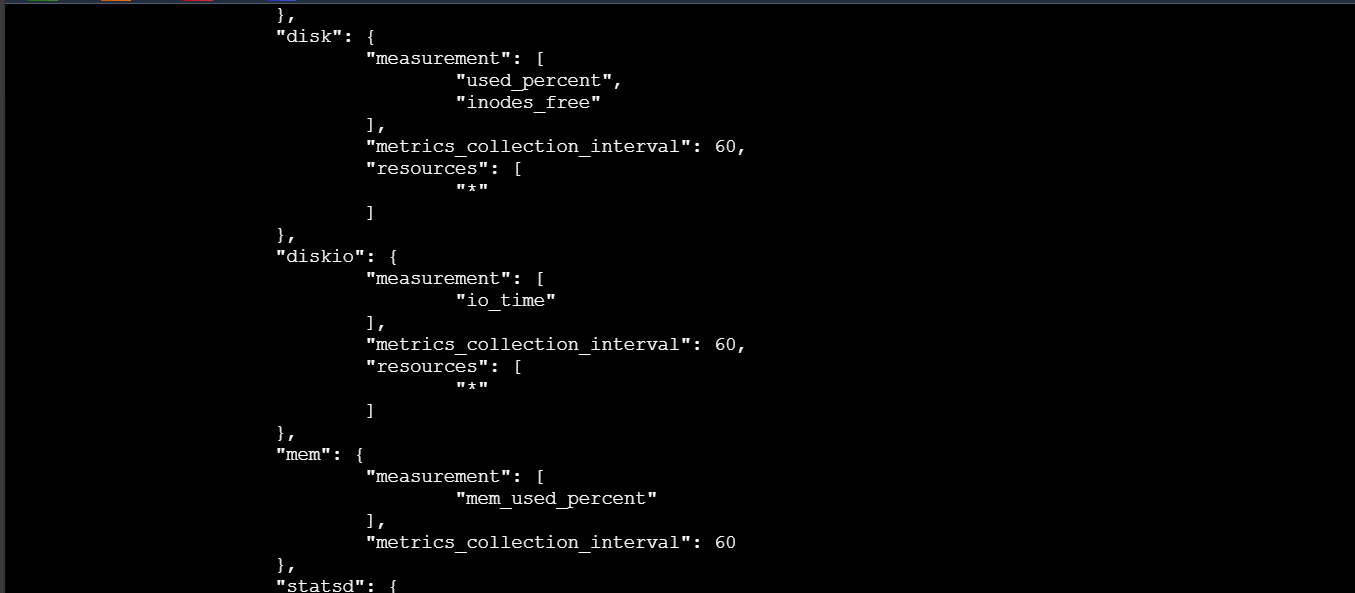


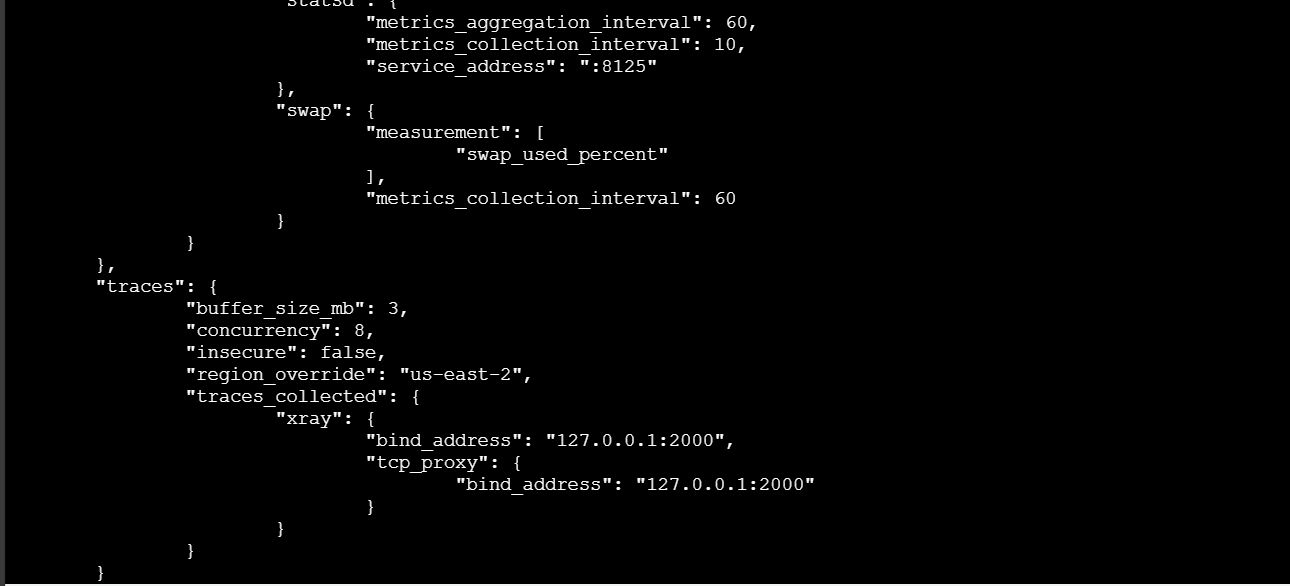


* This is final config json output





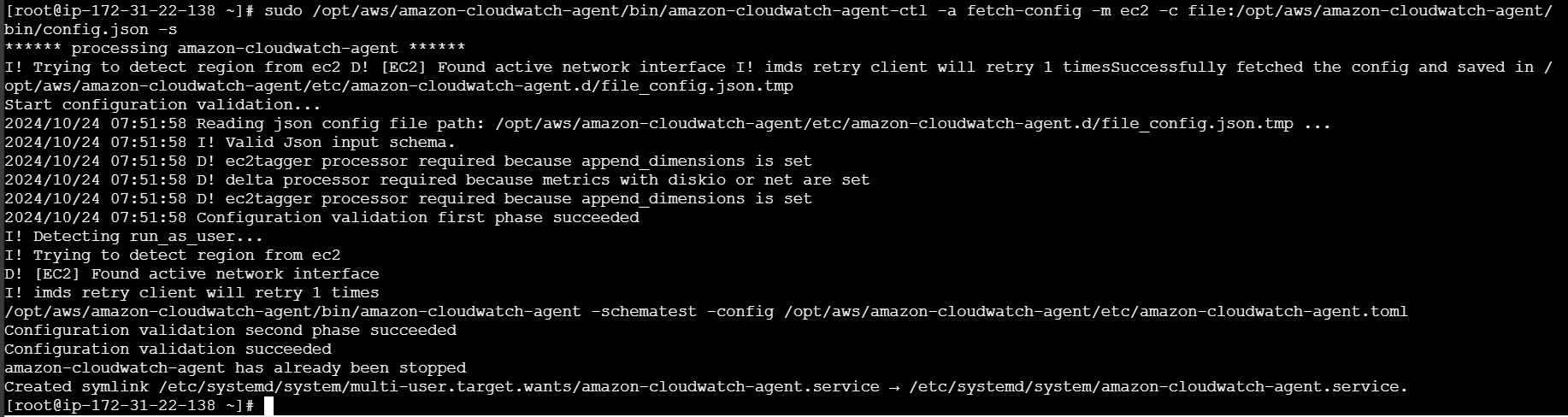




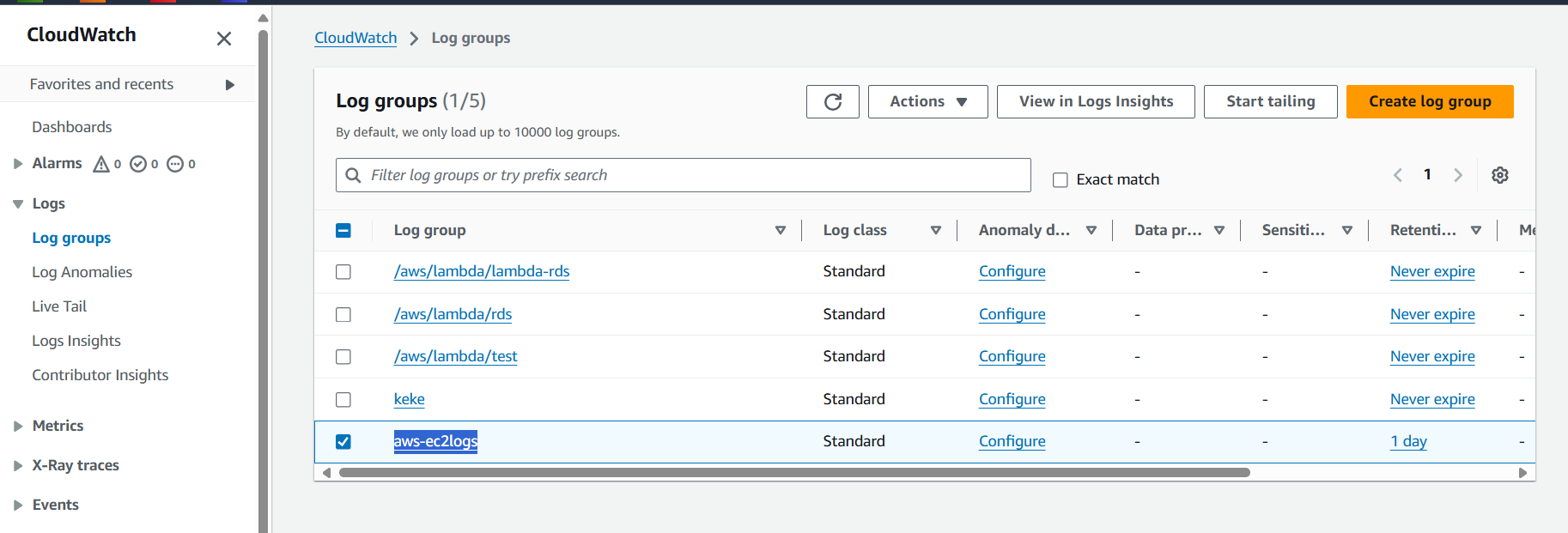


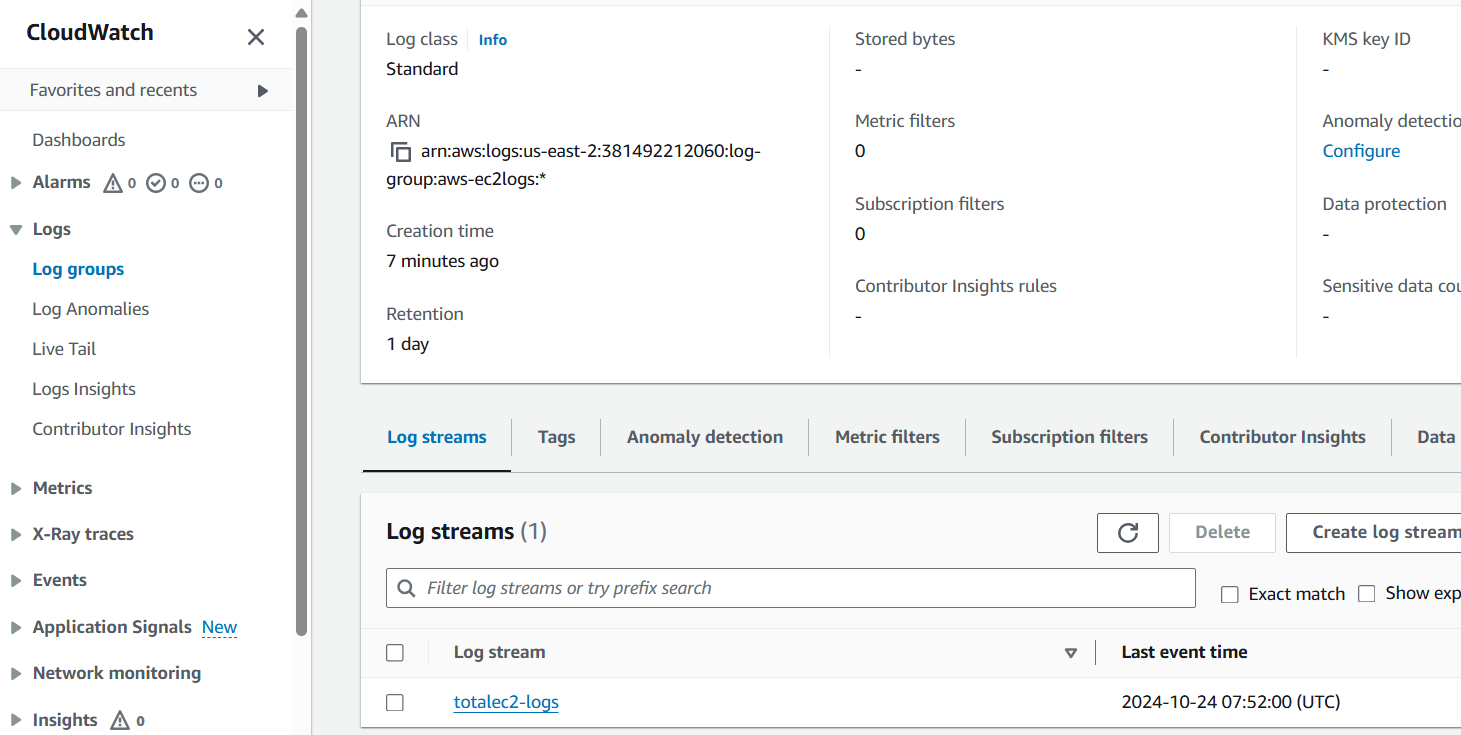
* Enter below command for strat the cloudwatch and creation of log group in cloud watch console based on config,json file

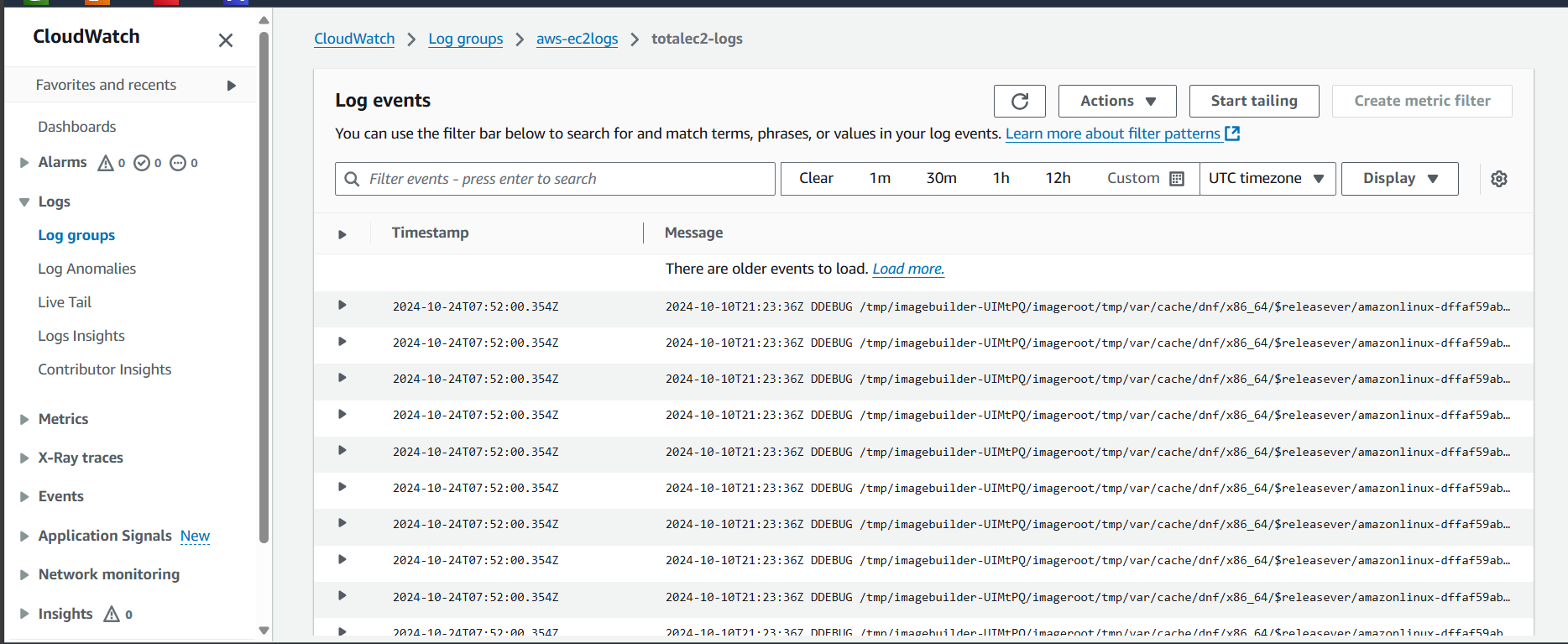
sudo /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-ctl -a fetch-config -m ec2 -c file:/opt/aws/amazon-cloudwatch-agent/bin/config.json -s



* Open your cloud watch console
* Check your log group created
* Open log group and check the logs





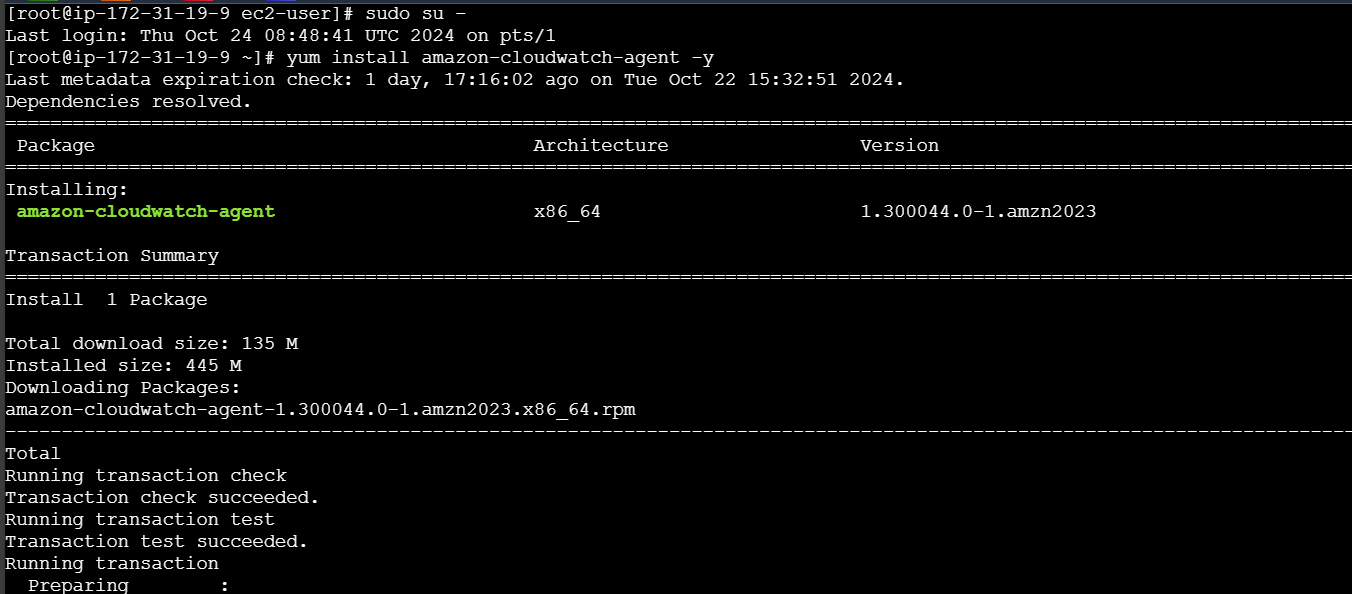


---------------------------------------------Thank You------------------------------------------------------------------

Method 2

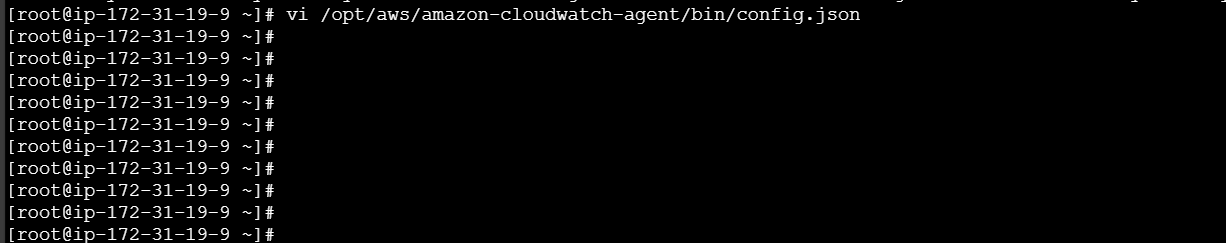
* Launch the ec2
* Attach the iam role
* Connect to ec2
* Install cloud watch agent

yum install amazon-cloudwatch-agent -y



* Edit this file or create file using below commnd

vi /opt/aws/amazon-cloudwatch-agent/bin/config.json



* Add below json config detailes
* Change the highlighted details based on your requirement

{

"agent": {

"metrics\_collection\_interval": 60,

"run\_as\_user": "root"

},

"logs": {

"logs\_collected": {

"files": {

"collect\_list": [

{

"file\_path": "/var/log/\*",

"log\_group\_class": "STANDARD",

"log\_group\_name": "aws",

"log\_stream\_name": "devops",

"retention\_in\_days": 1

}

]

}

}

},

"metrics": {

"aggregation\_dimensions": [

[

"InstanceId"

]

],

"append\_dimensions": {

"AutoScalingGroupName": "${aws:AutoScalingGroupName}",

"ImageId": "${aws:ImageId}",

"InstanceId": "${aws:InstanceId}",

"InstanceType": "${aws:InstanceType}"

},

"metrics\_collected": {

"cpu": {

"measurement": [

"cpu\_usage\_idle",

"cpu\_usage\_iowait",

"cpu\_usage\_user",

"cpu\_usage\_system"

],

"metrics\_collection\_interval": 60,

"resources": [

"\*"

],

"totalcpu": false

},

"disk": {

"measurement": [

"used\_percent",

"inodes\_free"

],

"metrics\_collection\_interval": 60,

"resources": [

"\*"

]

},

"diskio": {

"measurement": [

"io\_time"

],

"metrics\_collection\_interval": 60,

"resources": [

"\*"

]

},

"mem": {

"measurement": [

"mem\_used\_percent"

],

"metrics\_collection\_interval": 60

},

"statsd": {

"metrics\_aggregation\_interval": 60,

"metrics\_collection\_interval": 10,

"service\_address": ":8125"

},

"swap": {

"measurement": [

"swap\_used\_percent"

],

"metrics\_collection\_interval": 60

}

}

},

"traces": {

"buffer\_size\_mb": 3,

"concurrency": 8,

"insecure": false,

"region\_override": "us-east-2",

"traces\_collected": {

"xray": {

"bind\_address": "127.0.0.1:2000",

"tcp\_proxy": {

"bind\_address": "127.0.0.1:2000"

}

}

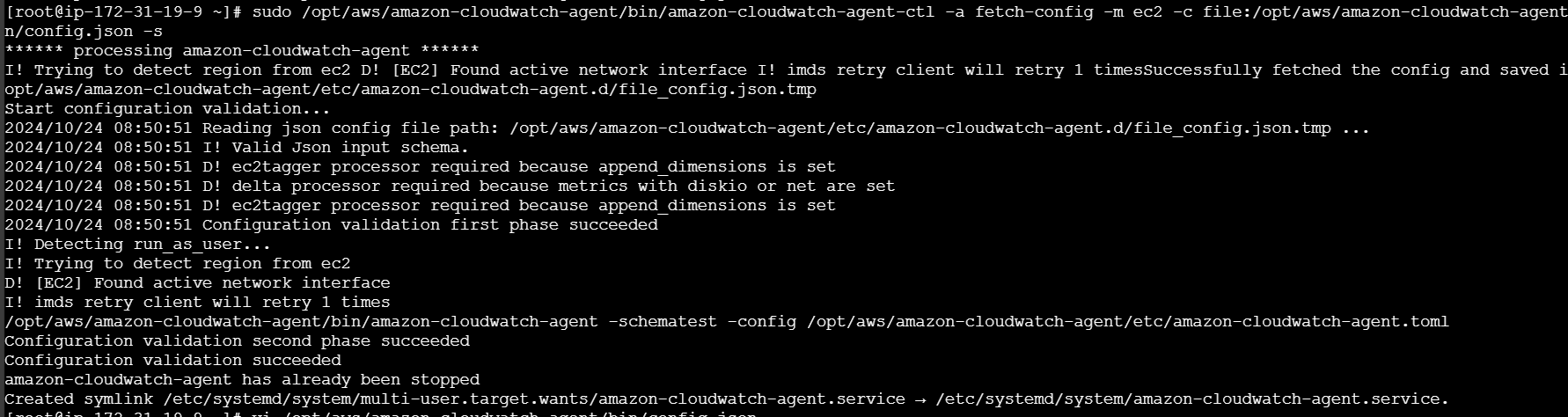
}

}

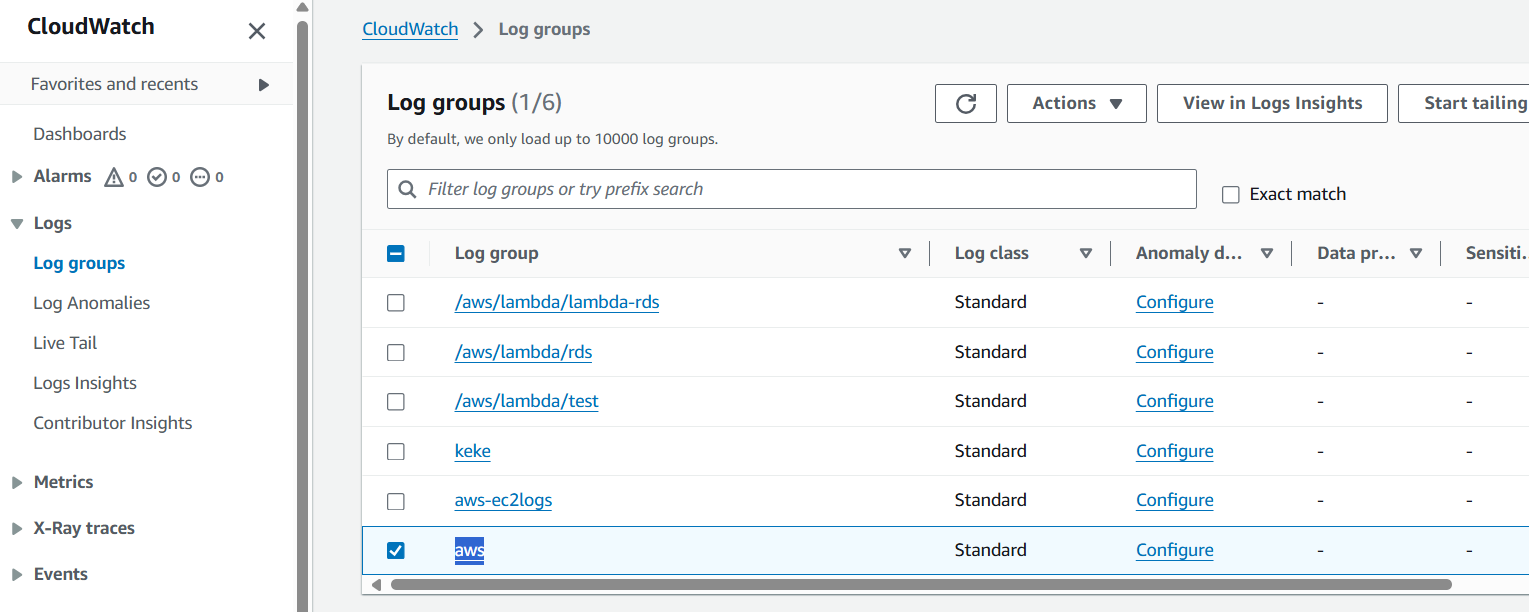
}

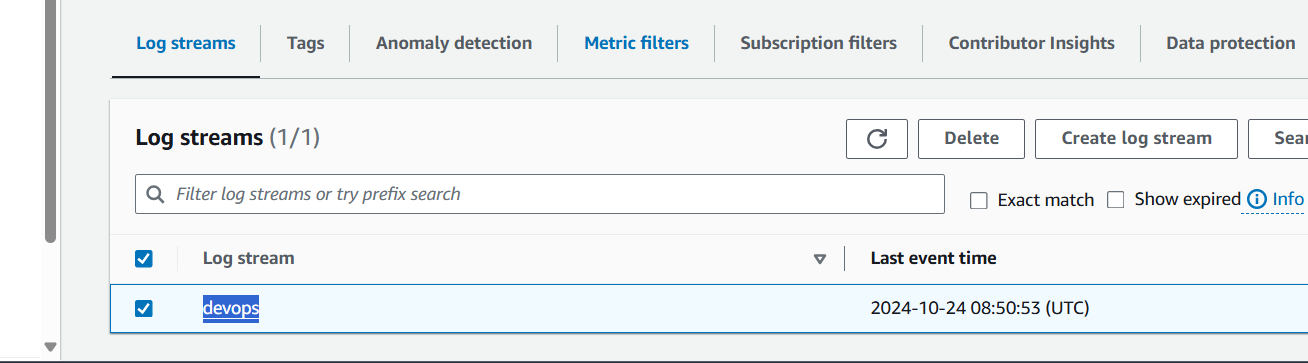
* Enter below command for strat the cloudwatch and creation of log group in cloud watch console based on config,json file

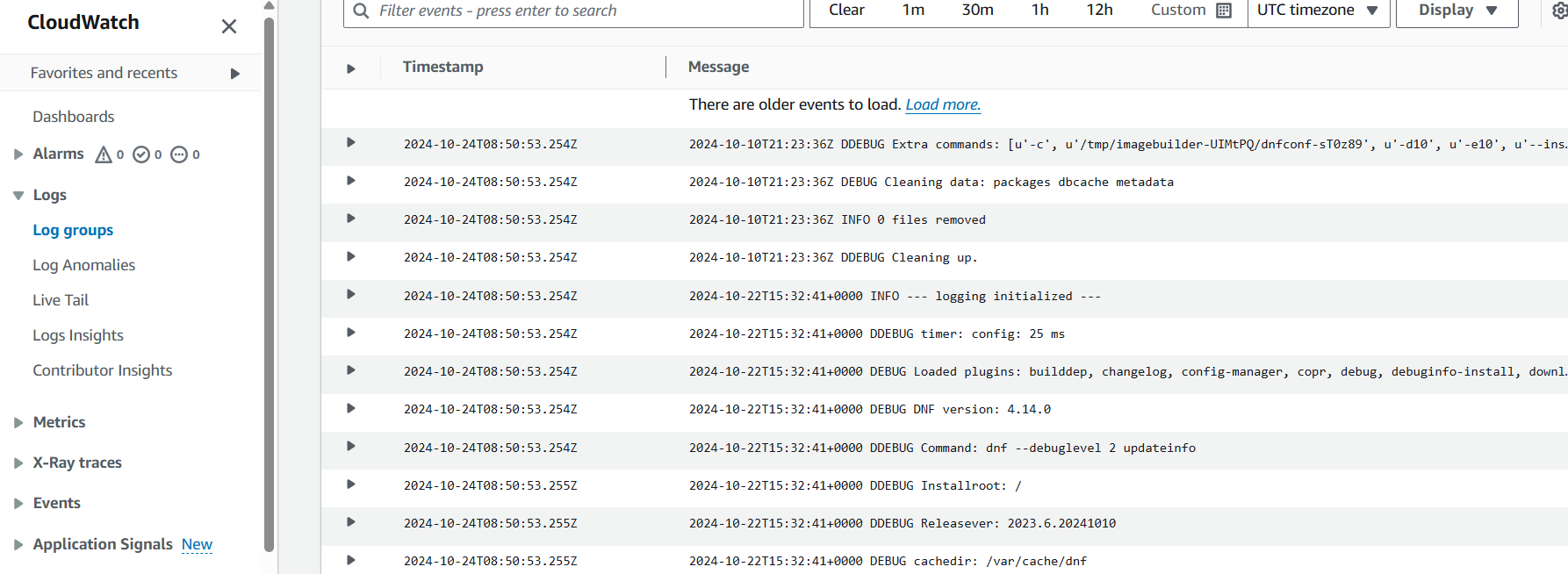
sudo /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-ctl -a fetch-config -m ec2 -c file:/opt/aws/amazon-cloudwatch-agent/bin/config.json -s



* Open your cloud watch and check







-----------------------------------------------------thank you ---------------------------------------------------------------