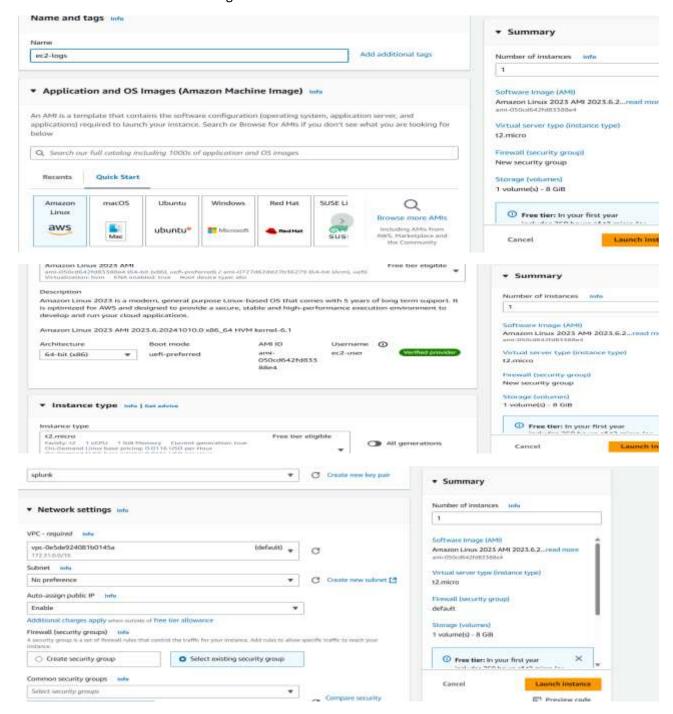
FORWORD EC2-LOGS INTO CLOUDWATCH

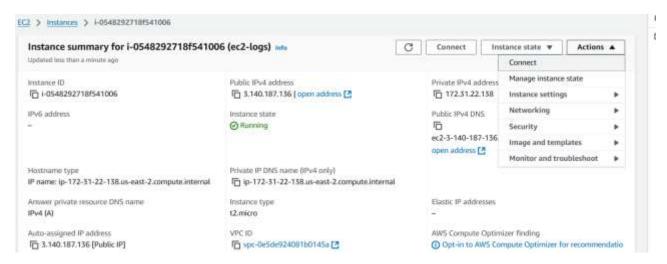
Create ec2 with below shown configuration



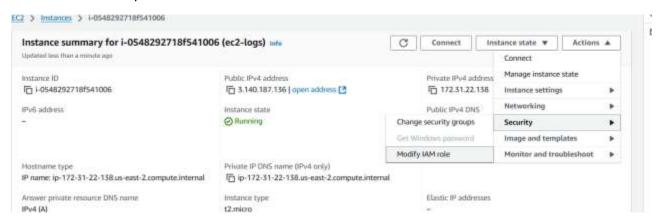
Click on Launch instance

Create IAM role for ec2 add administration access

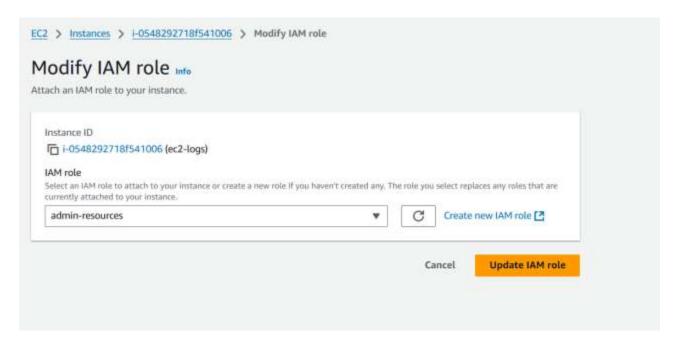
- Open the instance
- Click on action



- click on security
- select Modify IAM role



- add your IAM ROLE HERE
- thewn update iam role



- connect to instance
- switch to root user

sudo su -

```
[ec2-user@ip-172-31-22-138 ~]$ sudo su -
[root@ip-172-31-22-138 ~]#
```

■ install cloud watch agent

yum install amazon-cloudwatch-agent -y

```
[root@ip-172-31-22-138 ~] # yum install amazon-cloudwatch-agent -y
Last metadata expiration check: 0:04:42 ago on Thu Oct 24 07:42:17 2024.
Dependencies resolved.
 Package
                                                           Architecture
                                                                                               Version
Installing:
amazon-cloudwatch-agent
                                                           x86 64
                                                                                               1.300044.0-1.amzn2023
Transaction Summary
Install | Package
Total download size: 135 M
Installed size: 445 M
Downloading Packages:
amazon-cloudwatch-agent-1.300044.0-1.amzn2023.x86 64.rpm
Total
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
 Running transaction
  Preparing
  Running scriptlet: amazon-cloudwatch-agent-1.300044.0-1.amzn2023.x86_64
  i-0548292718f541006 (ec2-logs)
  PublicIPs: 3.140.187.136 PrivateIPs: 172.31.22.138
```

Edit this file or create file using below commnd

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

```
[root@ip-172-31-19-9 ~] vi /opt/aws/amazon-cloudwatch-agent/bin/config.json
[root@ip-172-31-19-9 ~] {
[root@ip-172-31-19-1] {
[root@ip-172-3
```

Add below json config detailes

{

■ Change the highlighted details based on your requirement

```
{
                     "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"
             }
        }
```

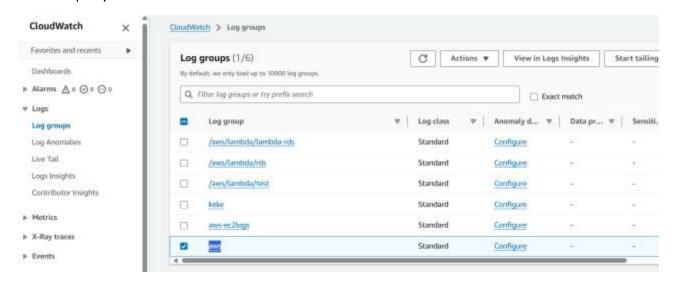
```
}
}
```

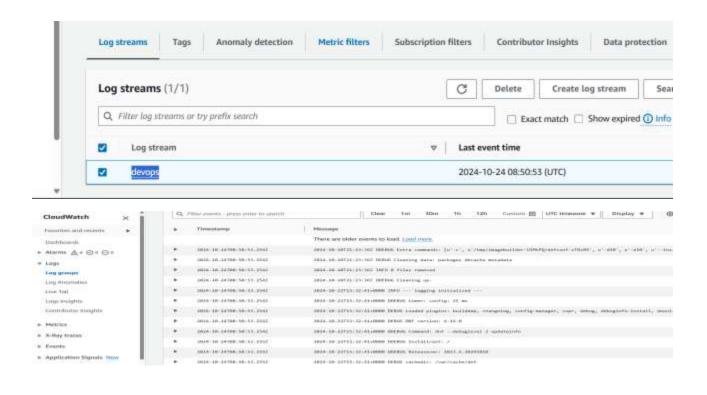
■ Enter below command for strat the cloudwatch and creation of log group in cloud watch console based on config, json file

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

```
[root@ip-172-31-19-9 -]# sudo /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-ct1 -a fetch-config -m sc2 -c file:/opt/aws/amazon-cloudwatch-agent
a/config.json -a
********************************
processing amazon-cloudwatch-agent ******
11 Trying to detect region from ec2 D! [802] Found active network interface I! inds retry client will retry 1 timesSuccessfully fetched the config and saved copt/aws/amazon-cloudwatch-agent/etc/amazon-cloudwatch-agent.d/file_config.json.tmp
Start configuration validation...
2024/10/24 08:50:51 Reading json config file path: /opt/aws/amazon-cloudwatch-agent/etc/amazon-cloudwatch-agent.d/file_config.json.tmp ...
2024/10/24 08:50:51 Reading json config file path: /opt/aws/amazon-cloudwatch-agent.d/file_config.json.tmp ...
2024/10/24 08:50:51 D! valid doon input achema.
2024/10/24 08:50:51 D! delta processor required because append dimensions is set
2024/10/24 08:50:51 D! delta processor required because append dimensions is set
2024/10/24 08:50:51 Configuration validation first phase succeeded
1! Detecting run as user...
1! Trying to detect region from ec2
D! [802] Found active network interface
1! inds retry client will retry 1 times
/opt/aws/amazon-cloudwatch-agent/pin/amazon-cloudwatch-agent.tonl
Configuration validation succeeded
amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent.service - /etc/systemd/system/amazon-cloudwatch-agent.service.
```

Open your cloud watch and check





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