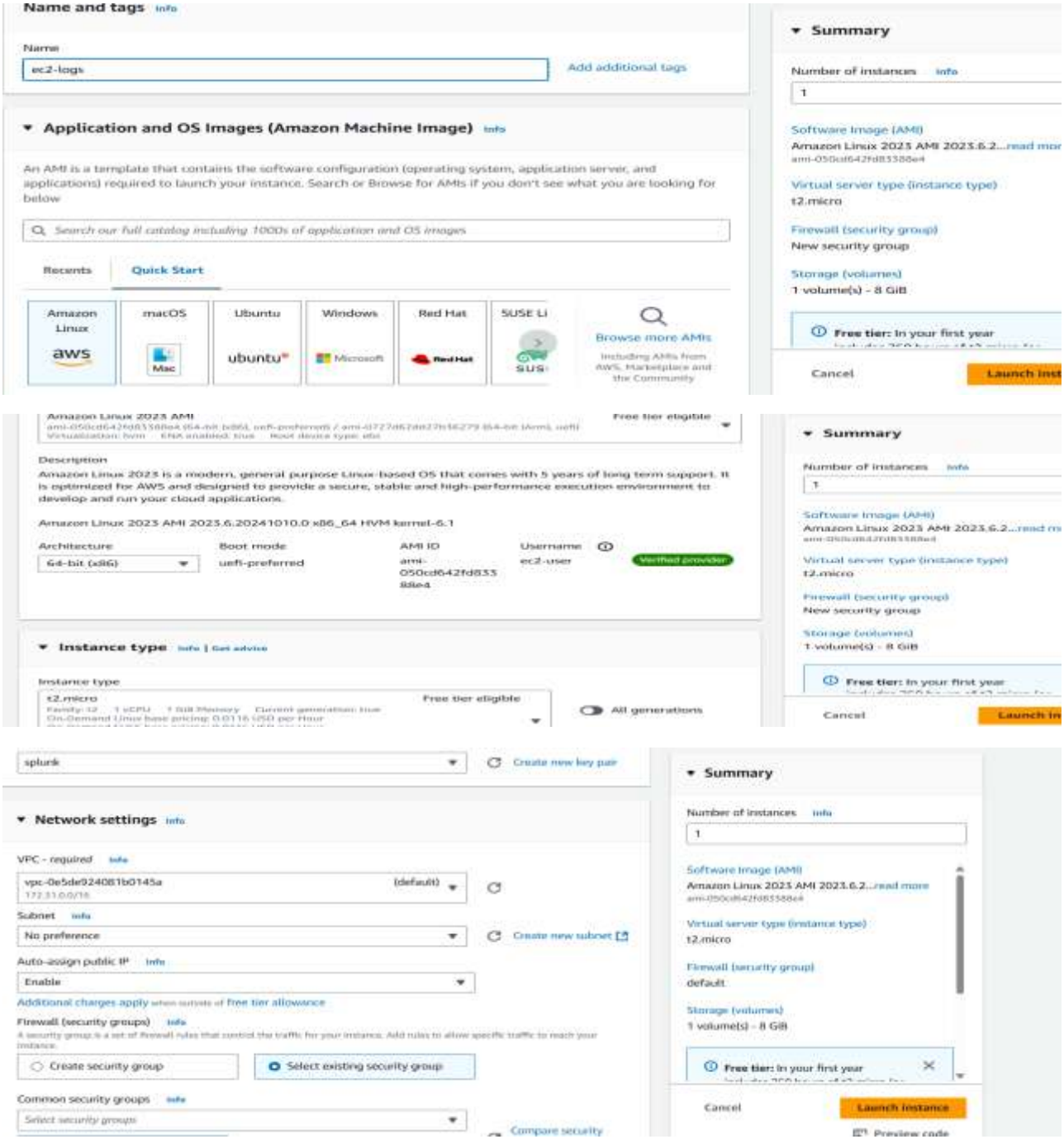
FORWORD EC2-LOGS INTO CLOUDWATCH

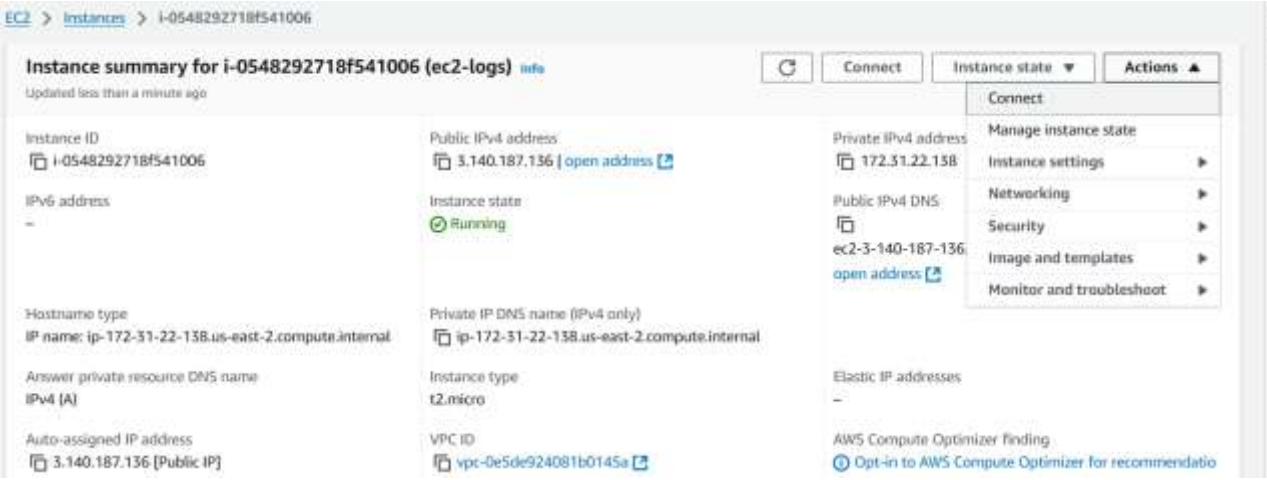
Create ec2 with below shown configuration



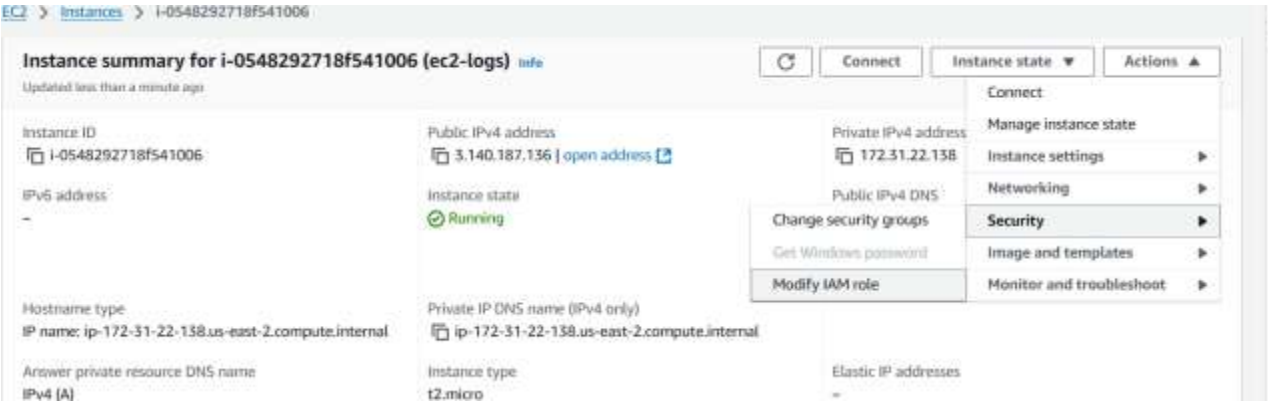
Click on Launch instance

Create IAM role for ec2 add administration access

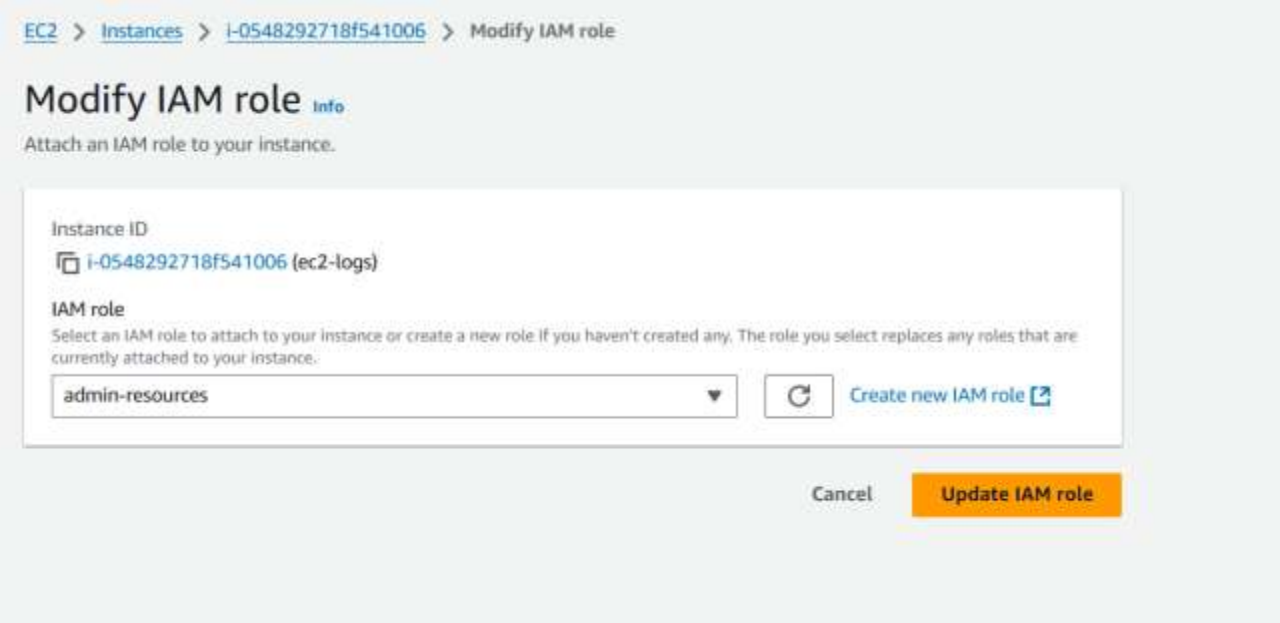
- Open the instance
- Click on action



- click on security
- select Modify IAM role



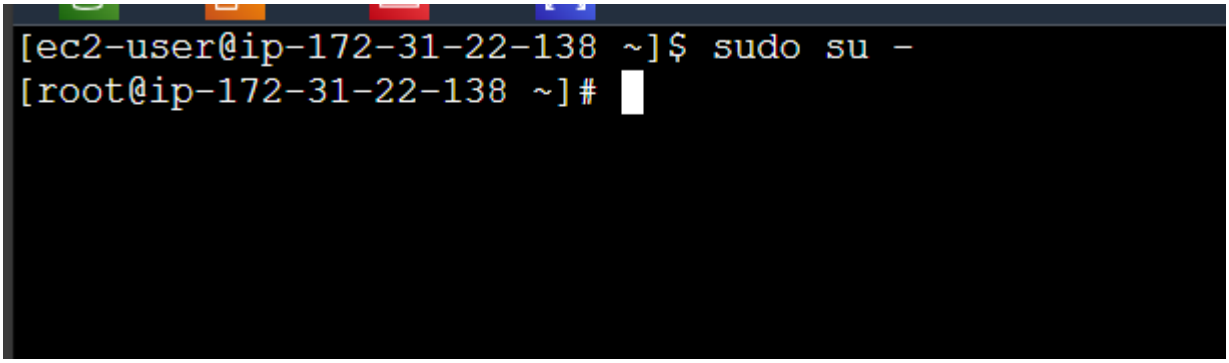
- add your IAM ROLE HERE
- thewn update iam role



- connect to instance

- switch to root user

  sudo su -



- 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",
```

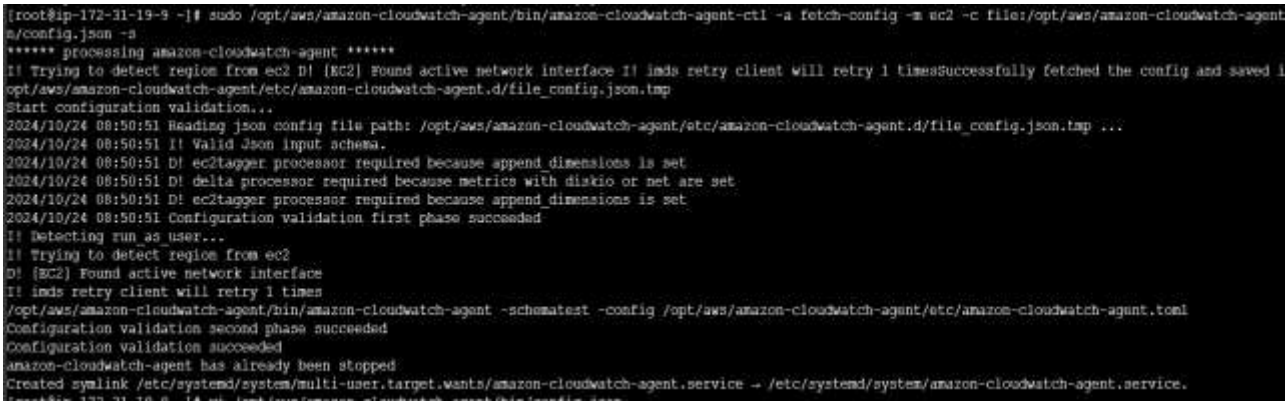
```
            "cpu_usage_system"
        ],
        "metrics_collection_interval": 60,
        "resources": [
            "*"
        ],
        "totalcpu": false
    },
    "disk": {
        "measurement": [
            "used_percent",
            "inodes_free"
        ],
        "metrics_collection_interval": 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"
            }
        }
```

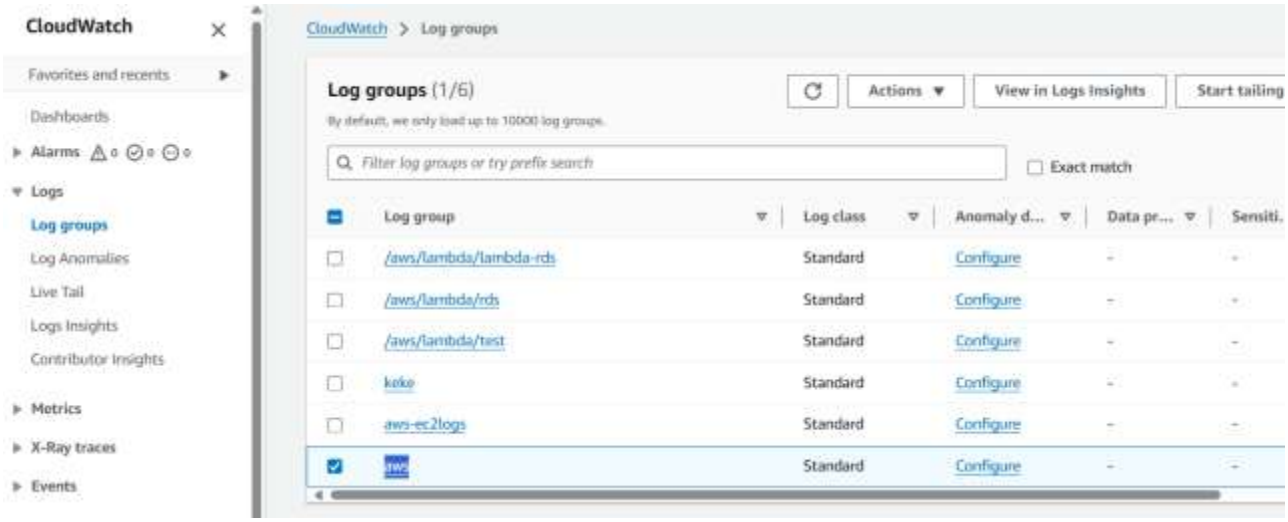
```
        }
    }
}
```

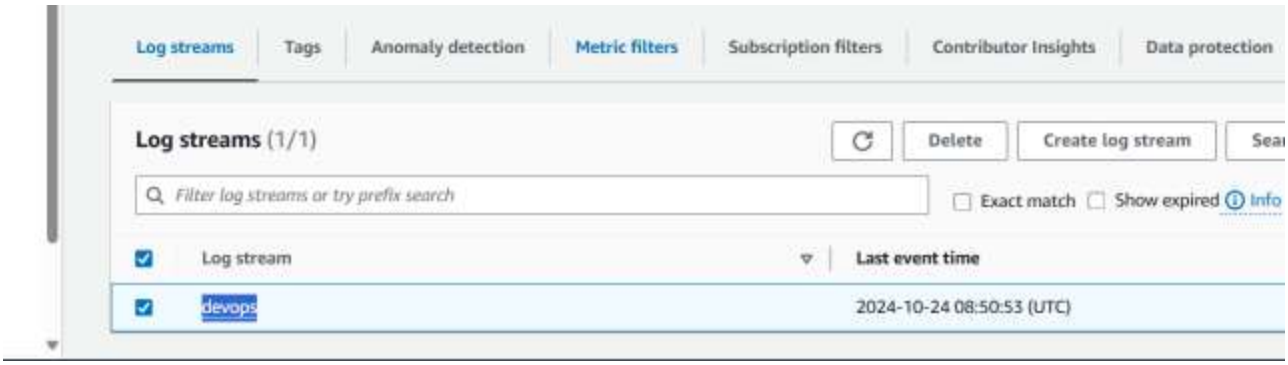
- Enter below command for strat the cloudwatch and creation of log group in cloud watch console based on config,json file

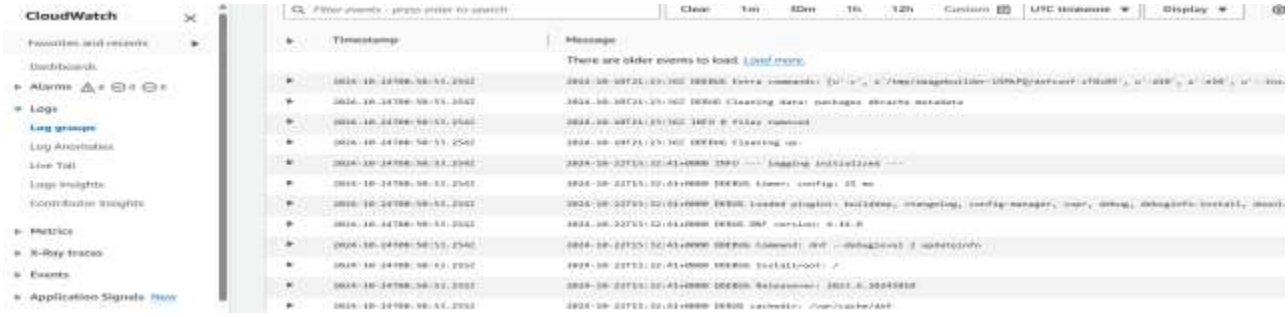
sudo /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-ctl -a fetch-config -m ec2 -c file:/opt/aws/amazon-cloudwatch-agent/bin/config.json -s



- Open your cloud watch and check




Log streams
Tags
Anomaly detection
Metric filters
Subscription filters
Contributor Insights
Data protection
Log streams (1/1)
Delete
Create log stream
Filter log streams or try prefix search
Exact match
Show expired
Info
Log stream
Last event time
devops
2024-10-24 08:50:53 (UTC)


CloudWatch
Timestamp
Message
There are older events to load. Load more.

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