Amazon-CloudWatch: CloudWatch Logs

Problem Statement:

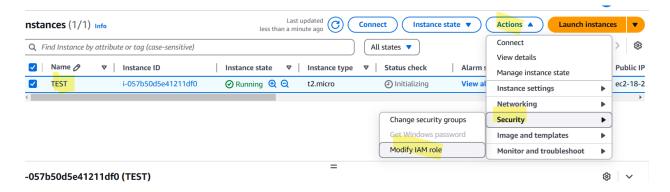
You work for XYZ Corporation. To maintain the security of the AWS account and the resources you have been asked to implement a solution that can help easily recognize and monitor the different users. Also, you will be monitoring the machines created by these users for any errors or misconfigurations.

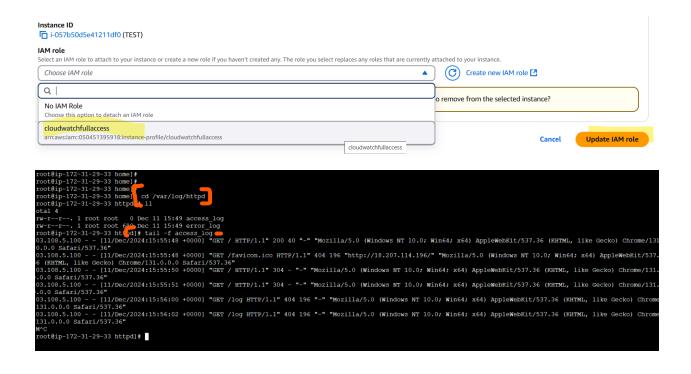
Tasks To Be Performed:

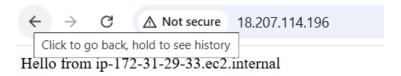
1. Create a EC2 and create logs and monitor on CloudWatch these logs.

Solution:

 Create EC2 instance and attach IAM policy in EC2 to full access for CloudWatch.







- 2. Download and install CloudWatch agent in instance.
- 3. And configure that agent .

```
Please check the above content of the config.
The config file is also located at /opt/aws/amazon-cloudwatch-agent/bin/config.json.
Edit it manually if needed.
Do you want to store the config in the SSM parameter store?
1. yes
2. no
default choice: [1]:
Program exits now.
[root@ip-172-31-29-33 nme] # sudo /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-config-wizard
 Welcome to the Amazon CloudWatch Agent Configuration Manager =
 CloudWatch Agent allows you to collect metrics and logs from = your host and send them to CloudWatch. Additional CloudWatch =
 charges may apply.
On which OS are you planning to use the agent?
1. linux
2. windows
3. darwin
default choice: [1]:
default choice: [1]:
Do you want to monitor metrics from CollectD? WARNING: CollectD must be installed on

    yes

2. no
default choice: [1]:
Do you want to monitor any host metrics? e.g. CPU, memory, etc.

    yes

2. no
default choice: [1]:
Do you want to monitor cpu metrics per core?
1. yes
2. no
default choice: [1]:
Do you want to add ec2 dimensions (ImageId, InstanceId, InstanceType, AutoScalingGr

    yes

2. no
default choice: [1]:
Do you want to aggregate ec2 dimensions (InstanceId)?
1. yes
```

2. no

```
Which default metrics config do you want?
1. Basic
Standard
Advanced
4. None
default choice: [1]:
Current config as follows:
        "agent": {
                "metrics collection interval": 60,
                "run as user": "root"
        "metrics": {
                "aggregation_dimensions": [
                        [
                                 "InstanceId"
                        1
                ],
                "metrics_collected": {
                        "disk": {
                                 "measurement": [
                                         "used percent"
                                 "metrics collection interval": 60,
                                 "resources":
```

```
Are you satisfied with the above config? Note: it can be manually customized after the wizard completes to add ac 1. yes 2. no default choice: [1]:

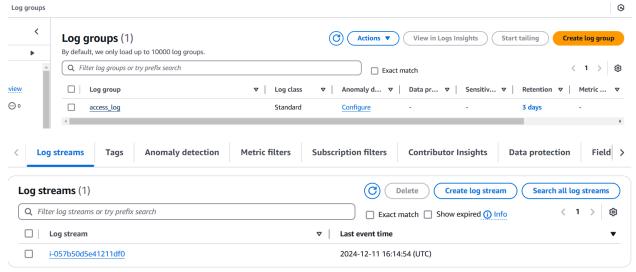
Do you have any existing CloudWatch Log Agent (http://docs.aws.amazon.com/AmazonCloudWatch/latest/logs/AgentRefer 1. yes 2. no default choice: [2]: 2

Do you want to monitor any log files? 1. yes 2. no default choice: [1]: 1

Log file path: /var/log/httpd/access_log Log group name: default choice: [access_log]

Log group class: 1. STANDARD 2. INFREQUENT_ACCESS default choice: [1]: 1

Log stream name: default choice: [(instance id)]
```



access_log > i-057b50d5e41211df0

