**CONFIGURE RAM & DISK UTILIZATION IN CLOUDWATCH**

(USING CLOUDWATCH AGENT)

# STEP1: CREATE IAM ROLE

Create IAM Role & connect EC2 with CloudWatch (Full Access)

# STEP2: CREATE EC2 INSTANCE

Create EC2 instance (Ubuntu) & attach the created IAM role

# STEP3: CONFIGURE CLOUDWATCH AGENT TO EC2

Server access to EC2

a. Download CloudWatch Agent (see below command)

b. Unpack & Install CloudWatch Agent (see below command)

c. Create configuration file for Agent (json) (see below command)

d. Start the agent (see below command)

# STEP4: CHECK IF AGENT IS VISIBLE ON CLOUDWATCH CONSOLE

Login to your AWS account & check if CWAgent is shown under 'Metrics' inside CloudWatch dashboard

**#COMMANDS FOR STEP3:**

a. Download CloudWatch Agent

wget https://s3.amazonaws.com/amazoncloudwatch-agent/ubuntu/amd64/latest/amazon-cloudwatch-agent.deb

b. Unpack & Install CloudWatch Agent

sudo dpkg -i -E ./amazon-cloudwatch-agent.deb

c. Create json configuration file for Agent

vi /opt/aws/amazon-cloudwatch-agent/bin/config.json (Paste below command)

{

"metrics": {

"append\_dimensions": {

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

},

"metrics\_collected": {

"mem": {

"measurement": [

"mem\_used\_percent"

],

"metrics\_collection\_interval": 60

},

"disk": {

"measurement": [

"disk\_used\_percent"

],

"metrics\_collection\_interval": 60

}

}

}

}

d. Start the agent

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

**#REFERENCE AWS DOCUMENT LINKS:**

**1. To download & configure CloudWatch Agent**

*https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/download-cloudwatch-agent-commandline.html*

**2. Creating json file for Agent**

*https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/Install-CloudWatch-Agent-New-Instances-CloudFormation.html*

**Note:** (JSON file taken from AWS website & modified as per our requirement)