**CloudWatch and SNS in EC2 RAM**

**Steps:**

Step 1: Create an IAM and Attach CloudWatch and SSM Full Access - EC2-CloudWatch-Role

*Polices:*

1. *CloudWatchFullAccess*
2. *AmazonSSMFullAccess (need for store parameters)*

Step 2: Create a parameter in Systems Manger->Application Management->Parameter Store with the name "/alarm/AWS-CWAgentLinConfig" and store the value.

Step 3: Create an EC2 Instance, Attach the role created in Step 1 and Add the commands in the Userdata Section.

**Commands that needs to be added in Userdata Section:**

#!/bin/bash

wget https://s3.amazonaws.com/amazoncloudwatch-agent/linux/amd64/latest/AmazonCloudWatchAgent.zip

unzip AmazonCloudWatchAgent.zip

sudo ./install.sh

sudo /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-ctl -a fetch-config -m ec2 -c ssm:/alarm/AWS-CWAgentLinConfig -s

**Check if EC2 Instance has CWAgent Installed or not:**

sudo /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-ctl -m ec2 -a status

**Value for the SSM Parameter (/alarm/AWS-CWAgentLinConfig):**

{

"metrics": {

"append\_dimensions": {

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

},

"metrics\_collected": {

"mem": {

"measurement": [

"mem\_used\_percent"

],

"metrics\_collection\_interval": 60

}

}

}

}

**Links:**

[(57) AWS EC2 Monitoring with CloudWatch | Monitor Memory Utilization using CloudWatch | AWS CloudWatch - YouTube](https://www.youtube.com/watch?v=dgAzhQJzPkA&ab_channel=AMonkinCloud%E2%98%81%EF%B8%8F)