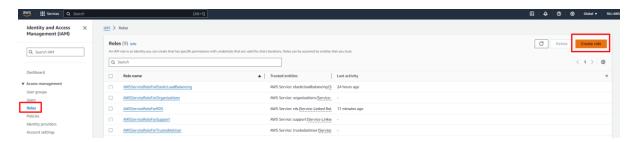
Install CloudWatch agent in Widows EC2 Instance - enable Memory and Storage metrics.

STEP 1: Create a IAM role

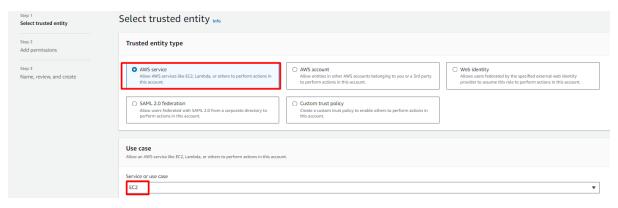
- Go to IAM
- On the Left Side of the screen search for Roles
- Then Click on Create Role



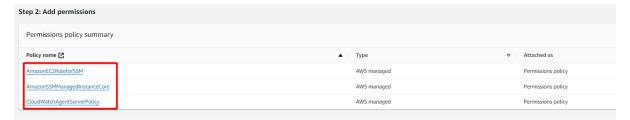
As we want to use this role inside the This Account

We will choose AWS service

Now we want this Role Applicable for EC2 Instance So we will Choose EC2



- Then Click on next
- Now Attach policy (permission):
 - o "AmazonEC2RoleforSSM
 - AmazonSSMManagedInstanceCore
 - CloudWatchAgentServerPolicy "



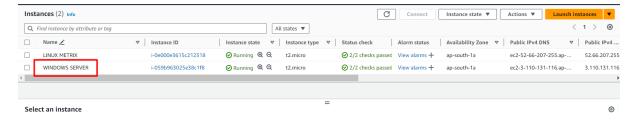
- Then Click on Next
- Enter Name of the Role and Create this Role



• Hence, we have Created a IAM Role.

STEP 2: Now create a Windows Server

- Choose AMI as Windows Server
- In security Group Choose RDP at Anywhere
- Create a Key Pair (It is used for the password to Decrypt)
- Then Scroll Down to Advance Details
- There Select IAM instance Profile
- There Choose your Create Role



• Hence and create the Windows Sever

STEP 3: Connect the RDP

- Select the windows Server and Click on Connect
- Go to RDP Client and Use Username, IP address and Password to login inside the RDP
- Firstly Decrypt the password by using Key Pair (.pem file)
- And Login in inside the Windows Server

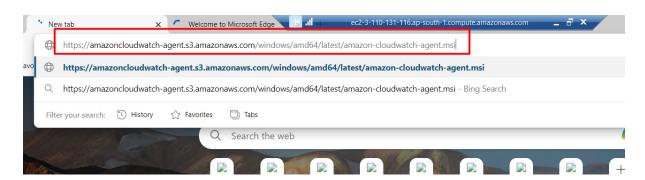


Hence we are inside the Windows Server

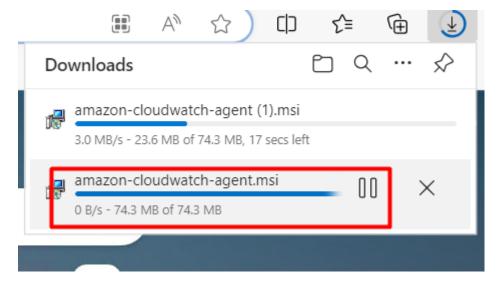
STEP 4: Now install CloudWatch Agent

- Open browser in RDP
- And Search for this link

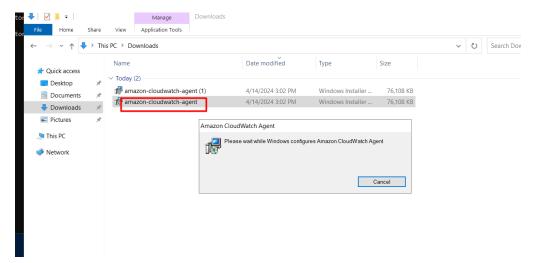
https://amazoncloudwatch-agent.s3.amazonaws.com/windows/amd64/latest/amazon-cloudwatch-agent.msi



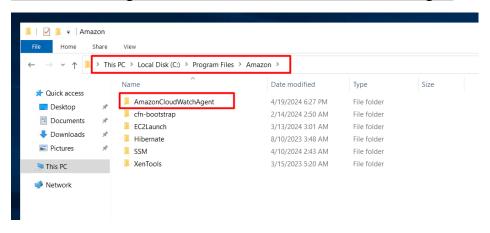
• Hence, we can see download has been started in the Brower,



- Now go to Download and Open the link,
- Now go to download of Window server
- And double click on the Cloudwatch agent
- Wait for the Installion

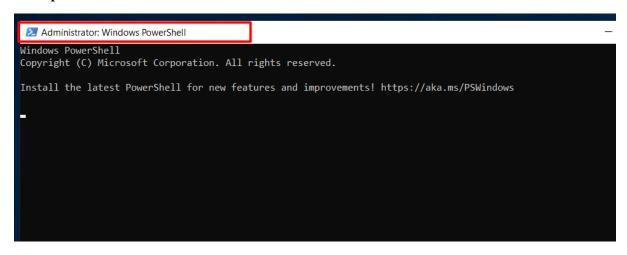


- Hence we can see the CloudWatch agent has been install in the windows server:
- Path: C > Program Files > Amazon > AmazonCloudWatchAgent



STEP 5: Run CloudWatch Agent wizard

• Open PowerShell



• Use the given command to configure metric in agent

Command Use:

cd 'C:/Program Files/Amazon/AmazonCloudwatchAgent' //we will configurw wizard file in this location

.\amazon-cloudwatch-agent-config-wizard.exe //this command will execute the wizard file

```
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?
 . windows
 . darwin
default choice: [2]:
Trying to fetch the default region based on ec2 metadata...
I! imds retry client will retry 1 timesAre you using EC2 or On-Premises hosts?
1. EC2
 . On-Premises
default choice: [1]:
Do you want to turn on StatsD daemon?
1. yes -
2. no
default choice: [1]:
Which port do you want StatsD daemon to listen to?
default choice: [8125] <del><--</del>
What is the collect interval for StatsD daemon?
1. 10s
2. 30s
3. 60s
default choice: [1]:
What is the aggregation interval for metrics collected by StatsD daemon?

    Do not aggregate

 . 10s
 . 60s
default choice: [4]:
Do you have any existing CloudWatch Log Agent configuration file to import for migration?
1. yes
2. no 🚤
default choice: [2]:
Do you want to monitor any host metrics? e.g. CPU, memory, etc.
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, AutoScalingGroupName) into all of yo
1. yes
2. no
default choice: [1]:
Do you want to aggregate ec2 dimensions (InstanceId)?

 yes

2. no
default choice: [1]:
Would you like to collect your metrics at high resolution (sub-minute resolution)? This enables sub-minute
1. 1s
2. 10s
3. 30s
4. 60s
default choice: [4]:
```

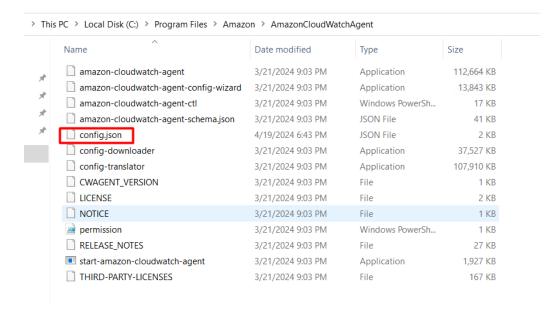
• During the Log group name : /var/logs/systemwindows

Then enter no and exit

```
Please check the above content of the config.
The config file is also located at 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]:
2
Please press Enter to exit...

Program exits now.
PS C:\Program Files\Amazon\AmazonCloudwatchAgent>
```

• Hence we have Done the configuration As we can also see the config file is been created



STEP 6: Now start the agent

Command Use:

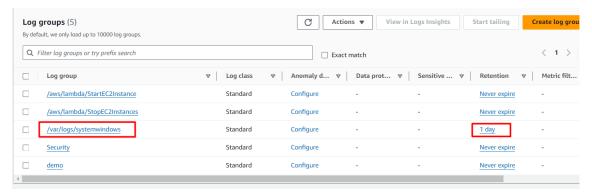
& "C:\Program Files\Amazon\AmazonCloudWatchAgent\amazon-cloudwatch-agent-ctl.ps1" -a fetch-config -m ec2 -s -c file:config.json

STEP 7: OUTPUT

- Open CloudWatch
- There go to All Metric
- And in the search Bar enter the Instance ID
- Hence we have Metrics of CPU, Disk, Memory.



 Hence we can see the Log in Log group which we have created early in the configuration process



Command Use:

 $\underline{https://amazoncloudwatch-agent.s3.amazonaws.com/windows/amd64/latest/amazoncloudwatch-agent.msi}$

download the Link

cd 'C:\Program Files\Amazon\AmazonCloudWatchAgent'

.\amazon-cloudwatch-agent-config-wizard.exe

& "C:\Program Files\Amazon\AmazonCloudWatchAgent\amazon-cloudwatch-agent-ctl.ps1" -a fetch-config -m ec2 -s -c file:config.json

Reference Link:

https://youtu.be/vAnIhIwE5hY?si=rvCFVecsvqjdw8FO

https://youtu.be/U7X3ehGZYwQ?si=VYPZDmznatw8dMds