INSTALL CLOUDWATCH AGENT ON EC2 INSTANCE FOR CUSTOM LOGS

What is CloudWatch Agent?

A Software package, automatically and continuously collects metrics and logs from servers

Where you can install CloudWatch?

- Amazon EC2
- Hybrid Environment (including other Cloud Provider)
- On-premise VMs

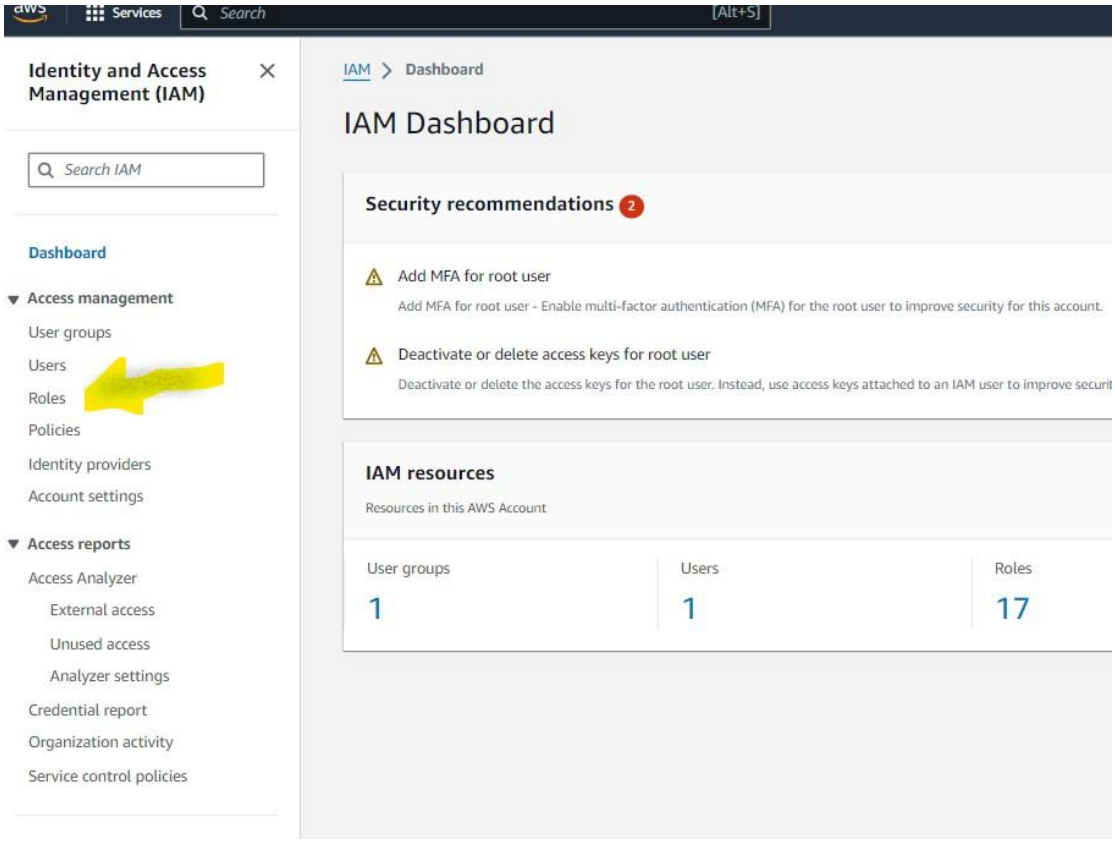
Use Cases

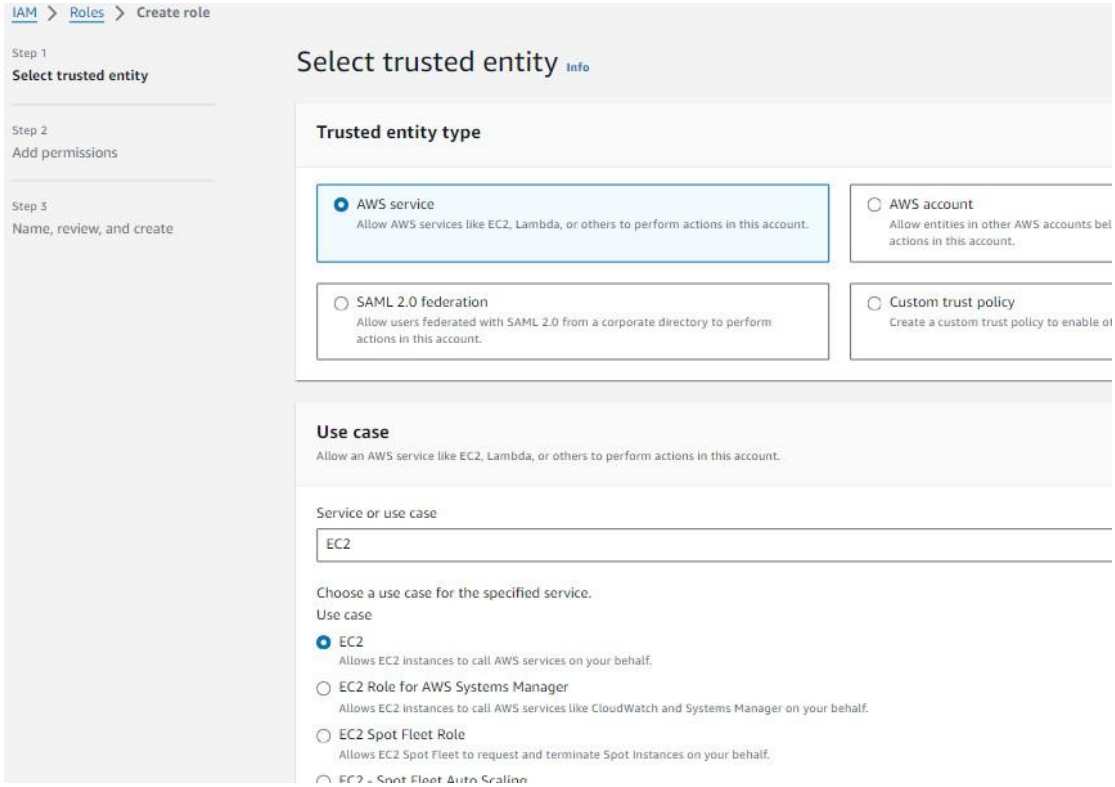
- Memory / Disk Space Related metrics
- Monitor Custom Log Locations
- Custom Metrics and Custom Namespaces
- Operating Systems (OS) and Application specific metrics and logs
- Collect Logs and metrics from Containerized applications and Microservices

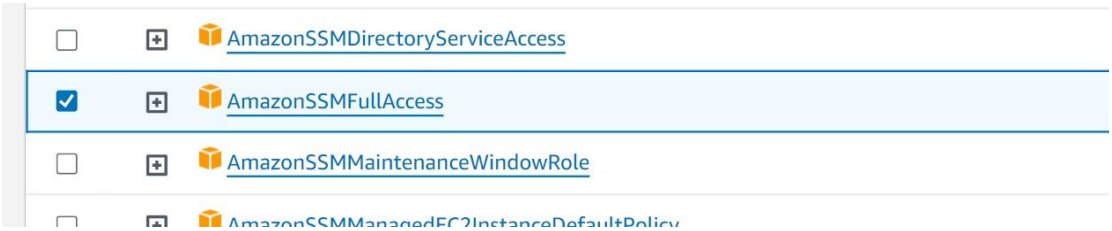
Prerequisites:

- Install CloudWatch Agent
- Privileges to communicate with CloudWatch Service
  - EC2 → IAM Instance Role
  - On-premises / Other Cloud → IAM Access key and Secret Access Key
- Security Outbound Rule Rules

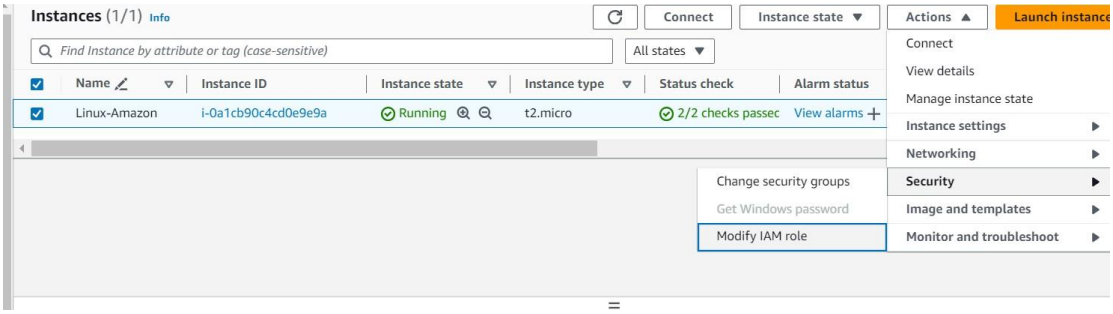
STEP 1:- Creating Role for EC2 Instance.

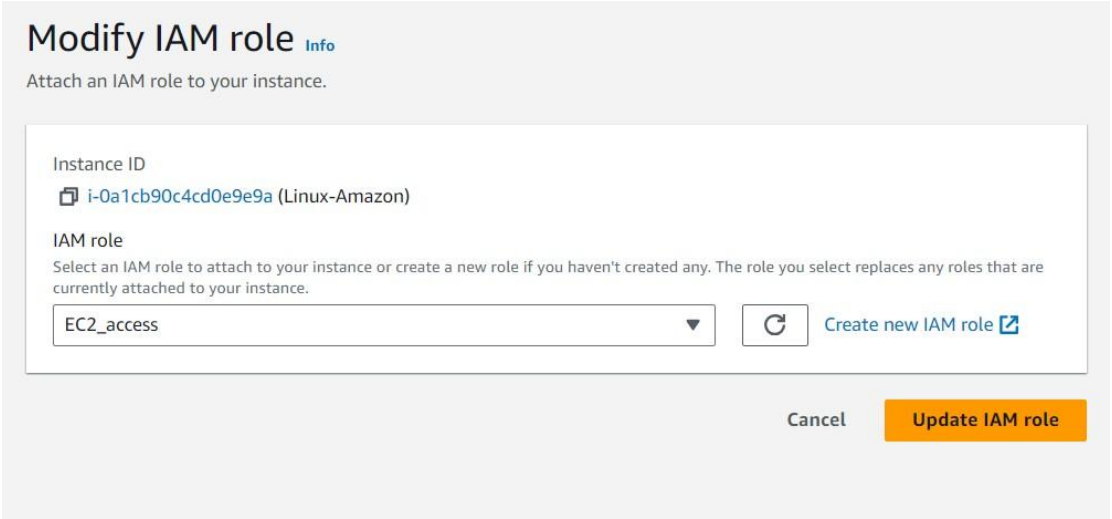




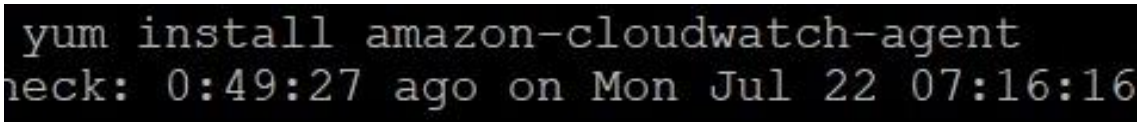


STEP 2 :- Attach Role to Instance.





STEP 3 :- Take Access and Install

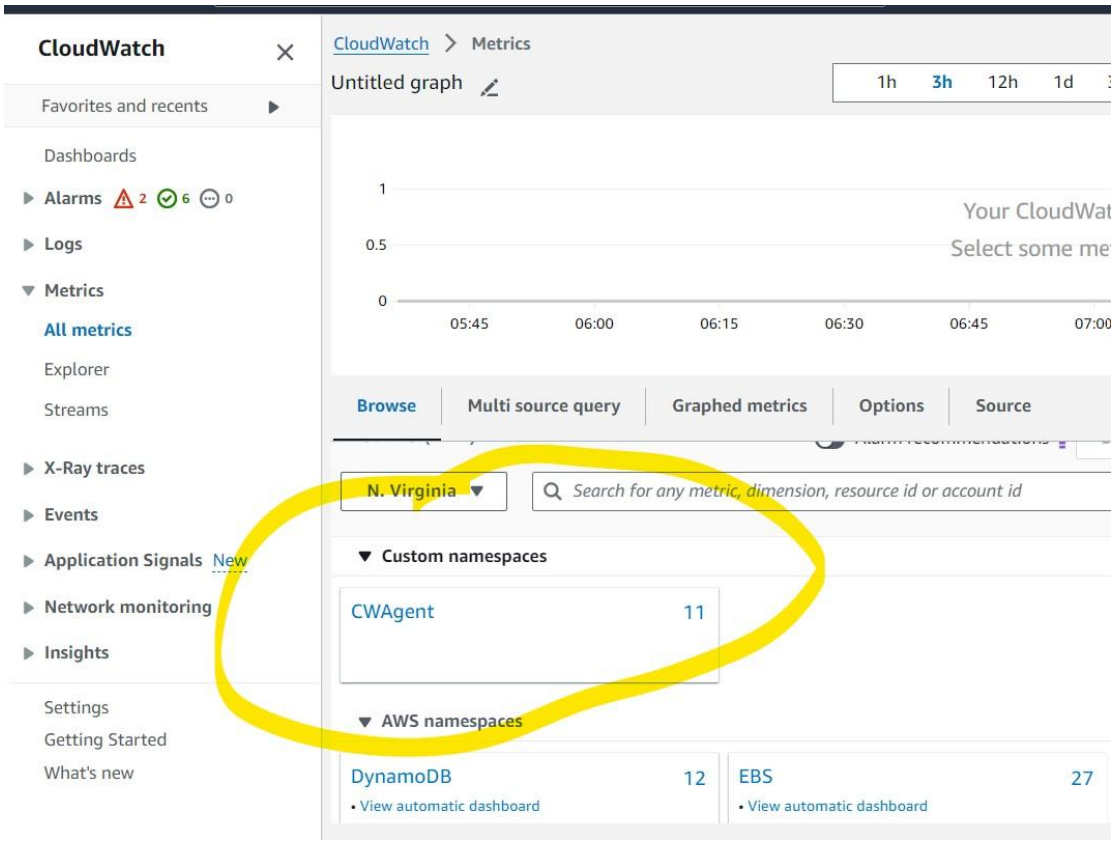


Selecting all the Default

Commands

1. Install CloudWatch Agent -- sudo yum install amazon-cloudwatch-agent
2. Install Collectd -- sudo amazon-linux-extras install collectd
3. Configure CloudWatch Agent Config Wizard - /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-config-wizard
4. Run CloudWatch Agent using the Agent Config file from SSM Parameter Store -- /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-ctl -a fetch-config -m ec2 -s -c ssm:AmazonCloudWatch-linux

CUSTOM LOG s


CloudWatch
Favorites and recents
Dashboards
Alarms 2 6 0
Logs
Metrics
All metrics
Explorer
Streams
X-Ray traces
Events
Application Signals New
Network monitoring
Insights
Settings
Getting Started
What's new
CloudWatch > Metrics
Untitled graph
1h 3h 12h 1d
1
0.5
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05:45 06:00 06:15 06:30 06:45 07:00
Your CloudWat
Select some me
Browse
Multi source query
Graphed metrics
Options
Source
N. Virginia
Search for any metric, dimension, resource id or account id
Custom namespaces
CWAgent 11
AWS namespaces
DynamoDB 12
• View automatic dashboard
EBS 27
• View automatic dashboard