AUTOMATE EC2 MANAGEMENT USING AWS SYSTEMS MANAGER

AWS Systems Manager (SSM) Agent Prerequisites

AWS SSM Prerequisites:

- ❖ Availability of AWS Systems Manager (SSM) Agent in EC2.
 - List of AMIs with SSM Agent Preinstalled.
- ❖IAM Role / EC2 instance Profile with required privileges.
- EC2 Security Group should allow outbound connection to SSM

AWS Systems Manager Capabilities



AWS Systems Manager

















Session Manager

STEP 1:- Create an Instance

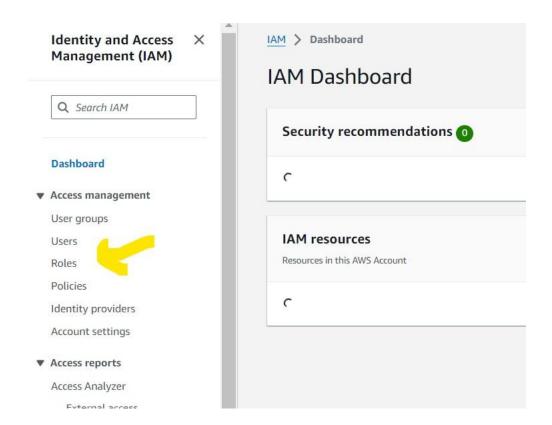


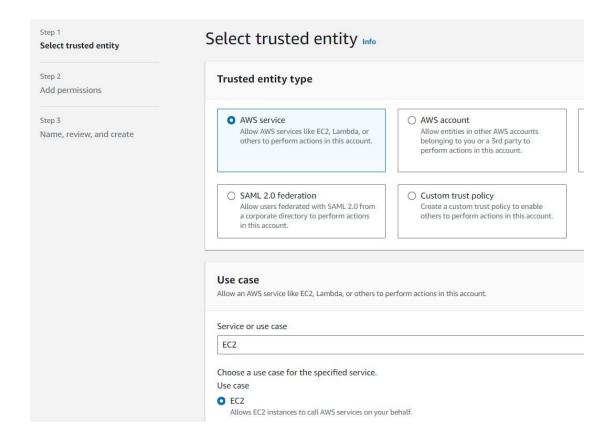
STEP 2:- Take Access

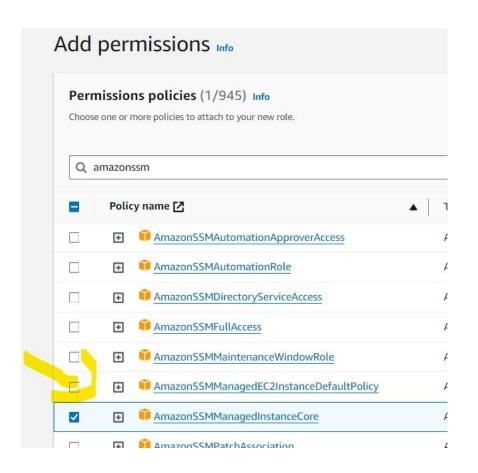
STEP 3:- Checking, If the SSM agent is installed or not. Although, by default it is installed in amazon Linux.

```
-user@ip-10-0-2-188 ~]$ yum info amazon-ssm-agent
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Installed Packages
Name
              : amazon-ssm-agent
             : x86 64
Arch
              : 3.3.380.0
Version
             : 1.amzn2
: 137 M
Release
              : installed
Repo
             : Manage EC2 Instances using SSM APIs
: http://docs.aws.amazon.com/ssm/latest/APIReference/Welcome.html
Summary
URL
License
             : ASL 2.0
Description : This package provides Amazon SSM Agent for managing EC2 Instances : using SSM APIs
[ec2-user@ip-10-0-2-188 ~]$
```

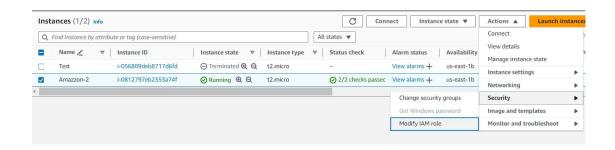
STEP 4:- We first have to attach role to the EC2 Instance for managing SSM agent on instance.

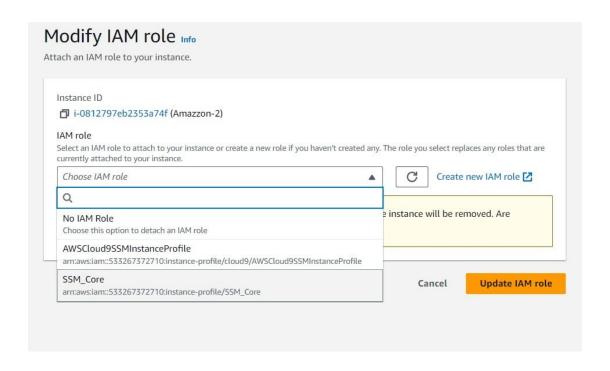




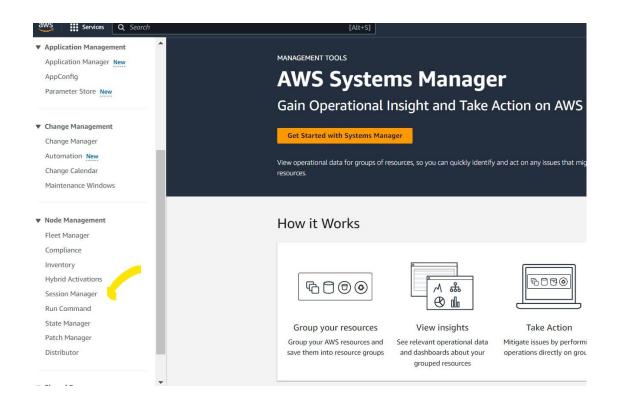


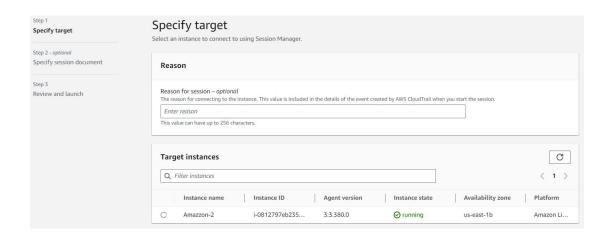
STEP 5: Attaching IAM role to the EC2 Instance.





STEP 6:- Go to System Manager Dashboard in AWS Environment.





STEP 7:- Visit EC2 Instance and Click on Connect and Through Session, connect your Insatnce.

