Project:

AWS System Manager Service

Use:

AWS Systems Manager is the operations hub for your AWS applications and resources and a secure end-to-end management solution for hybrid and multicloud environments that enables secure operations at scale.

Requirements:

-Ec2 instances

-SSM agent (Security System Manager)

-IAM Roles

+Step1:

-Launch a instance with with IOS Image of 'linux', using '.pemkey' and existing security group

-Rest keep settings defaults

-Connect to instance and run command 'sudo dnf install -y https://s3.us-east-1amazonaws.com/amazon-ssm-us-east-1latest/linux_amd64/amazon-ssm-agent.rpm' in this command we have installed SSM to provide security to server.

+Step2:Creating IAM Role for permission

-Create a IAM Role which contains trusted entity as ' AWS Service'

-Use case should be 'Ec2'

*Note use case function is used because it Allow an AWS service like EC2, Lambda, or others to perform actions in this account.

-after selecting 'Ec2' service go to 'Choose a use case for the specified service' option and select 'EC2 Role for AWS Systems Manager'

*Note: we have selected this option because it Allows EC2 instances to call AWS services like CloudWatch and Systems Manager on your behalf.

-Then click on next keep default permissions of 'add permissions' then click on next

-at 'Name, review, and create' enter role name and create the role.

- rest keep all settings default

-then click on name of create role go to 'permission policies' and click on 'add permissions' and go attach policy

-attach the pemission amazonEc2rolesforSSM and AmazonSSMfullaccess' and click on add permissions

+Step3:

-Go to system manager

-in this go to 'node management'and click on 'run command'

-then click on 'run command' and search and select 'AWS-RunShellScript'

-then go to command parameters where we can Specify a shell script or a command to run.

-at target selection select 'choose instance manually'

*Note: before target selection attach the created role to instance

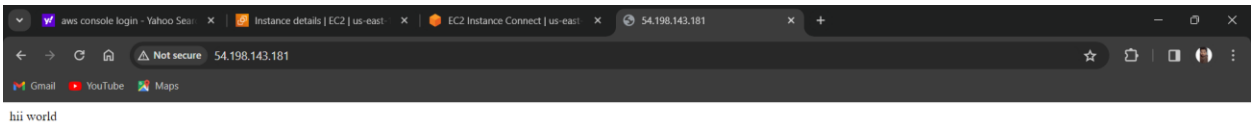
-at output options we can see 'Write command output to an Amazon S3 bucket ' unceck 'enable an s3 bucket'

-rest keep all settings default an click on run

Step4: verification

-go to Ec2 instance copy its public ip an paste it on browser

Result



As we see when we copy the public IP and paste it on new tab we will see the message

Links

#.docx