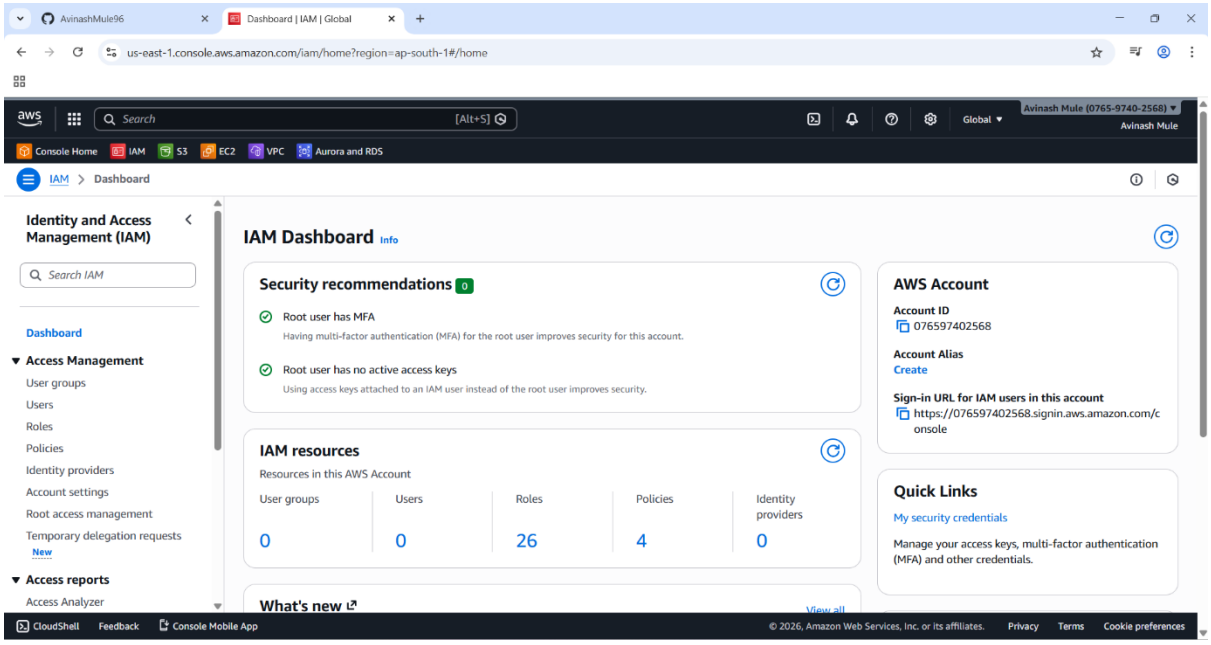
TASK

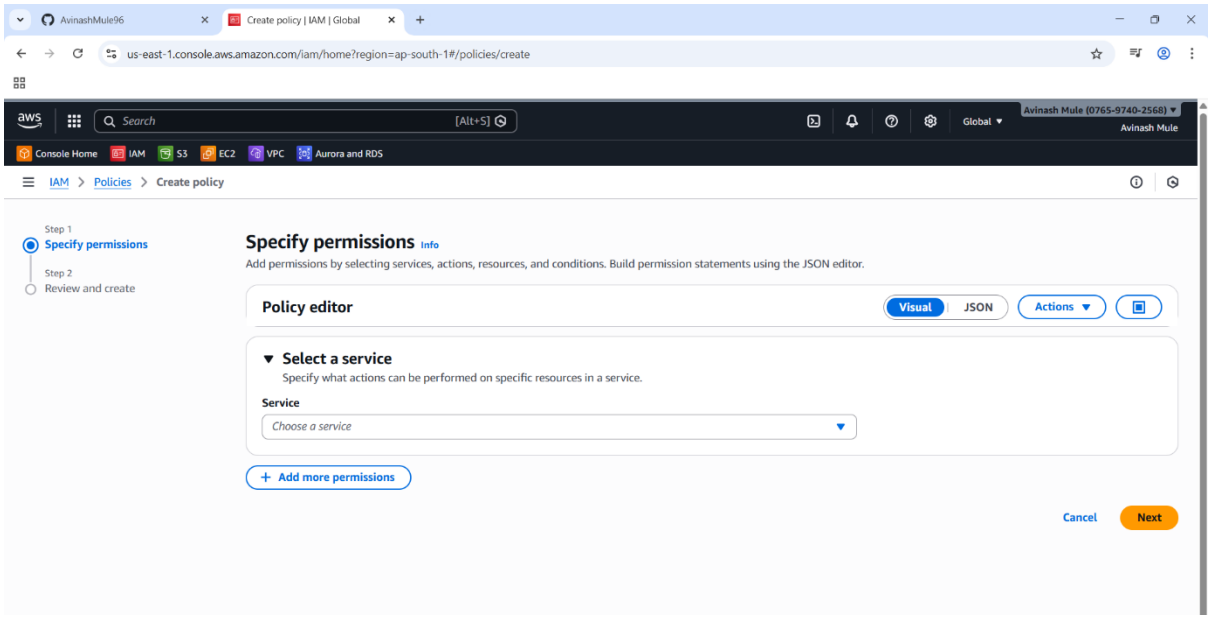
Task 1. Create an IAM policy that grants an IAM user full Amazon EC2 access only when requests target the Paris region (eu-west-3) and explicitly denies EC2 access in all other regions; then provide step-by step instructions to create and attach that policy using the AWS Management Console.

Steps:

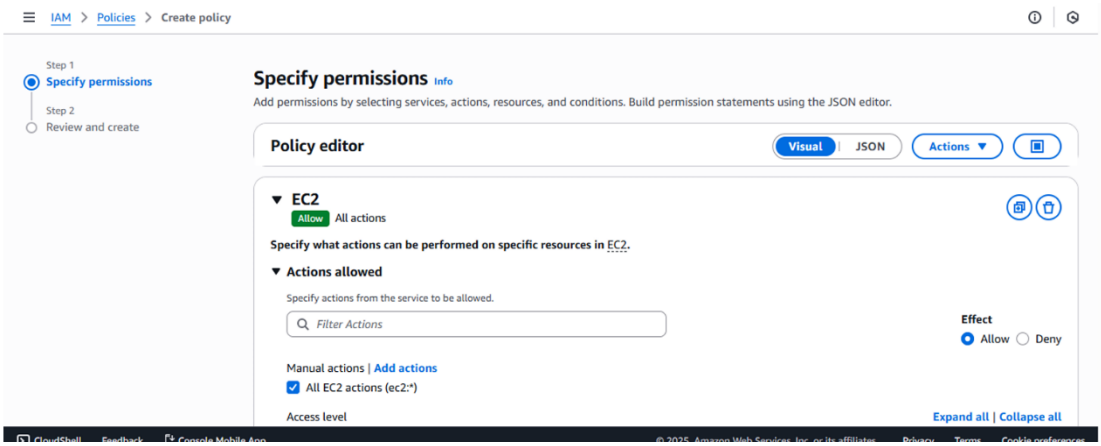
Step 1 . Sign in to the AWS Management Console with an account that can create IAM policies.

Step 2. Go into IAM Service , In the left menu click Policies.





Step 3. Click Create policy, Choose Visual editor tab, Select service EC2 and check the box contain all Ec2 action, Add First Statement.

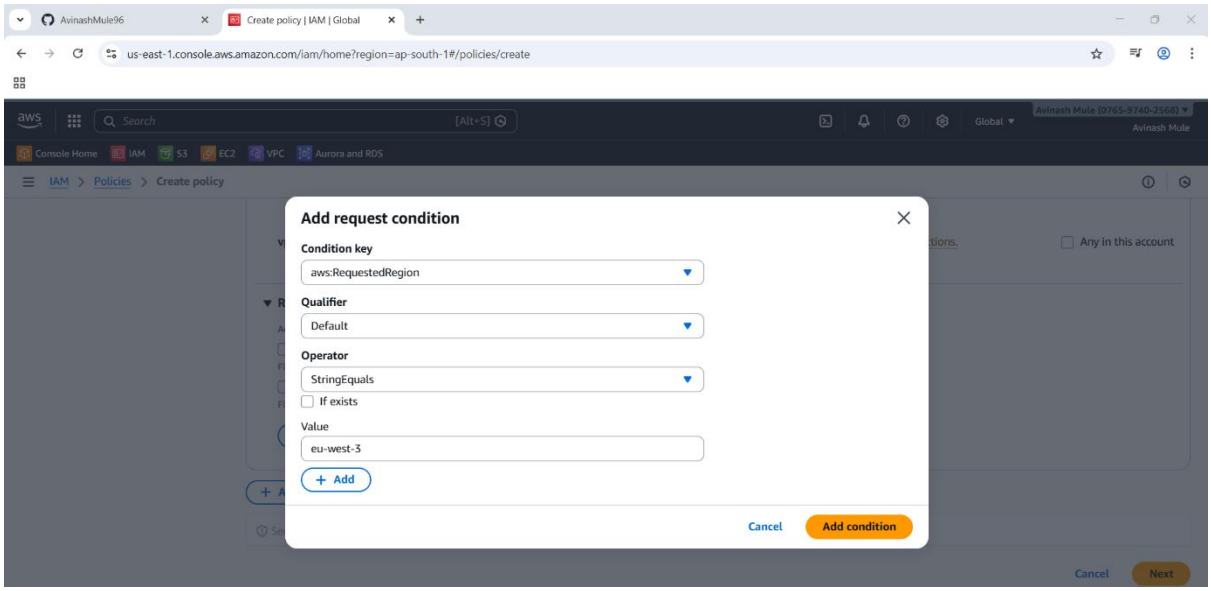


Step 4. Scroll down to Request Condition, Add Condition.

Add: Condition key : aws:RequestedRegion

Operator :StringEquals

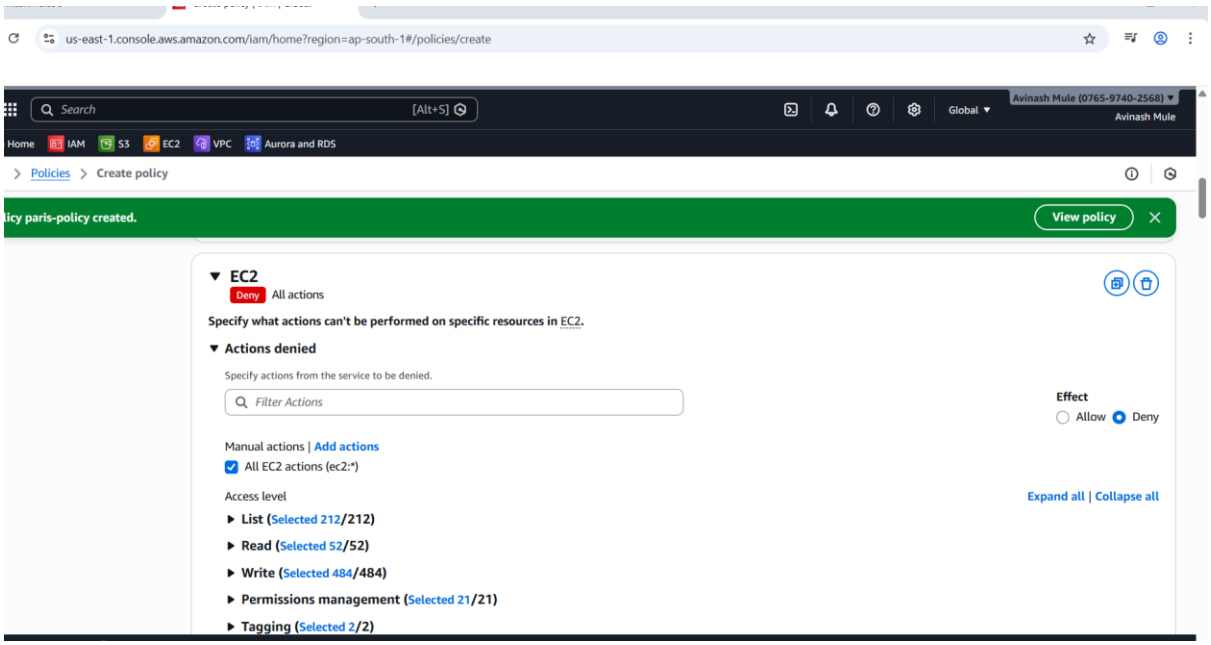
Value: eu-west-3



Click Add.

Means EC2 full access is allowed only if the region = Paris(eu-west-3)

Step 5 . Add Second Statement, Select EC2 service , Change the effect Allow > Deny Manual action – Select all in checkbox , Select Resource from specific to all.

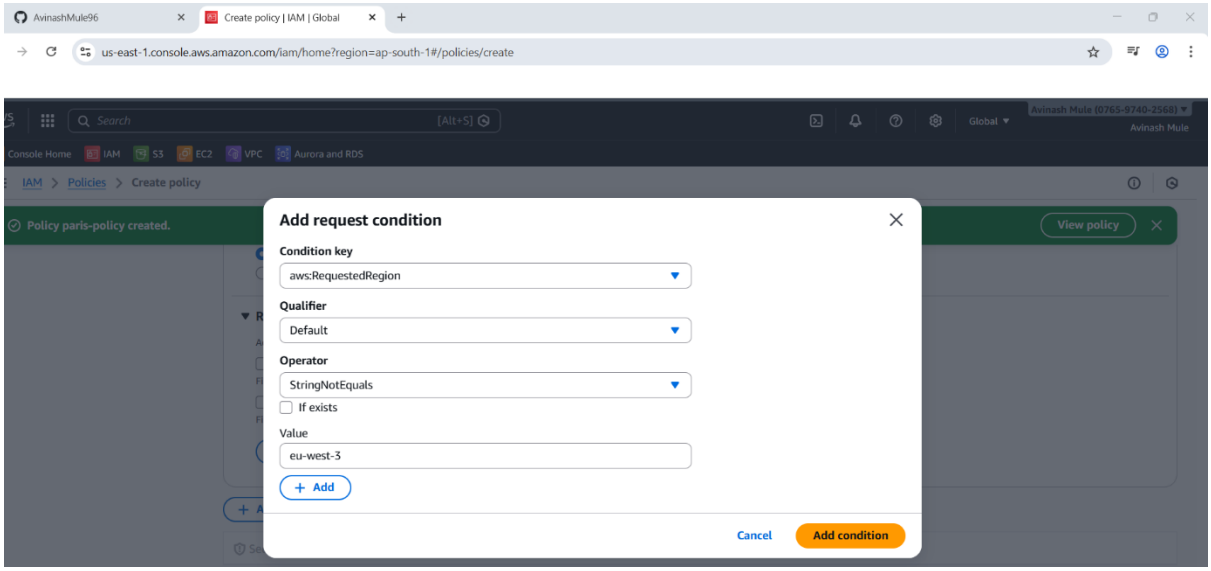


Step 6. Scroll to Request Conditions.

Add. Condition key: aws:RequestedRegion

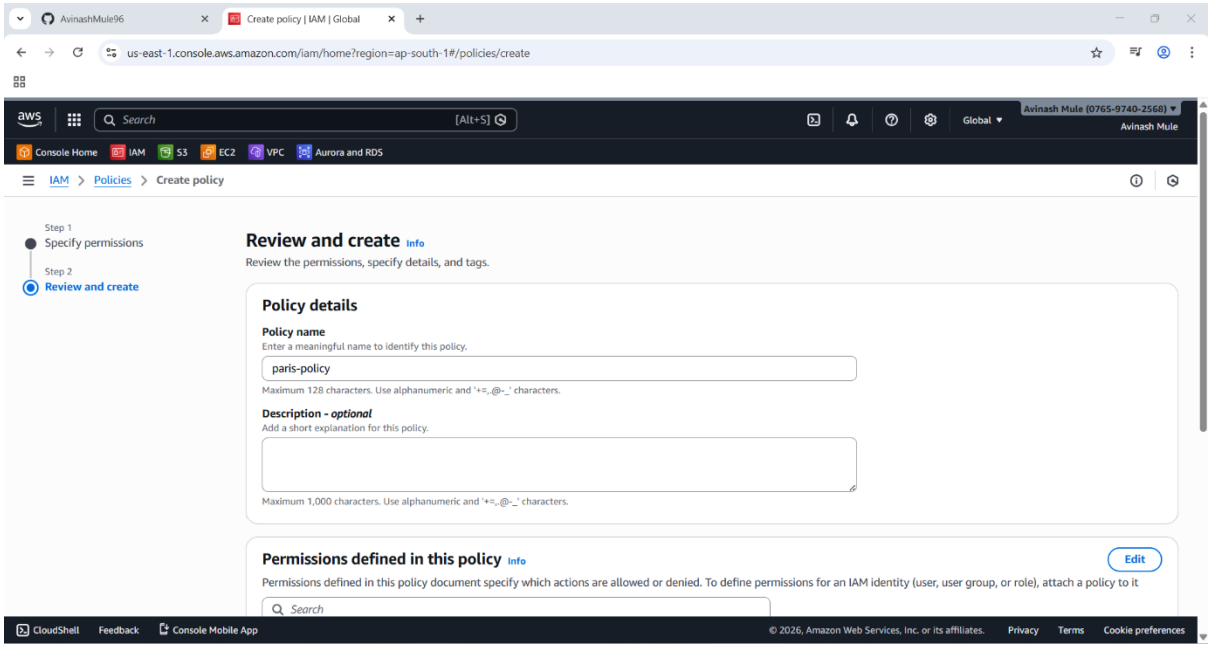
Operator : StringNotEquals

Value: eu-west-3



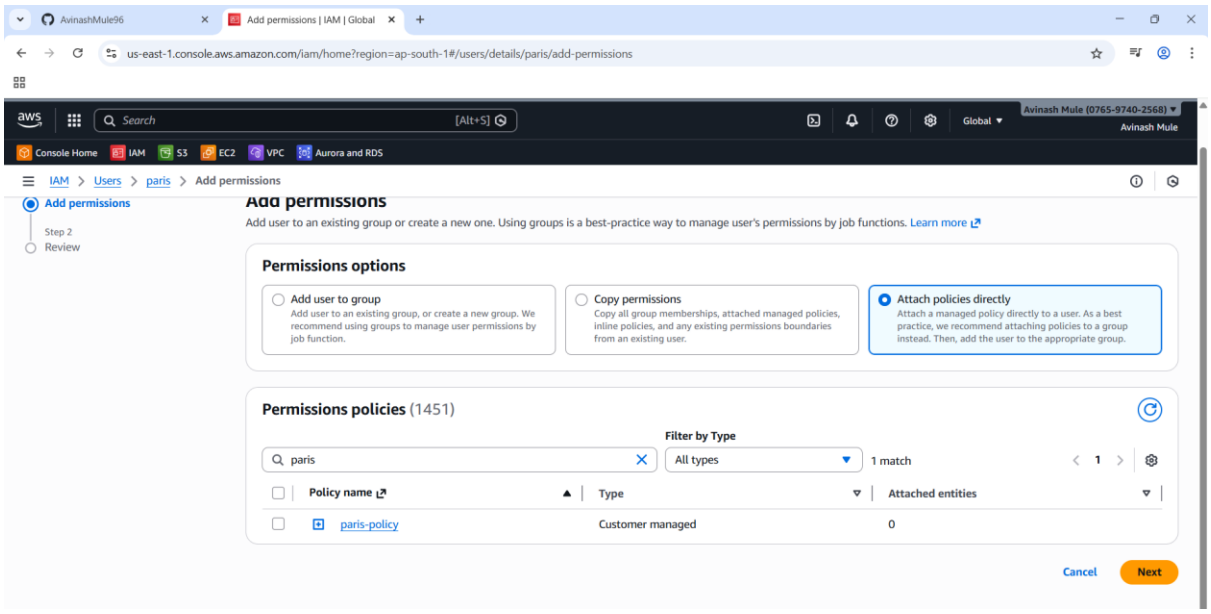
This means deny EC2 if the region is Not Paris. Click on next .

Step 7. Review and Create.



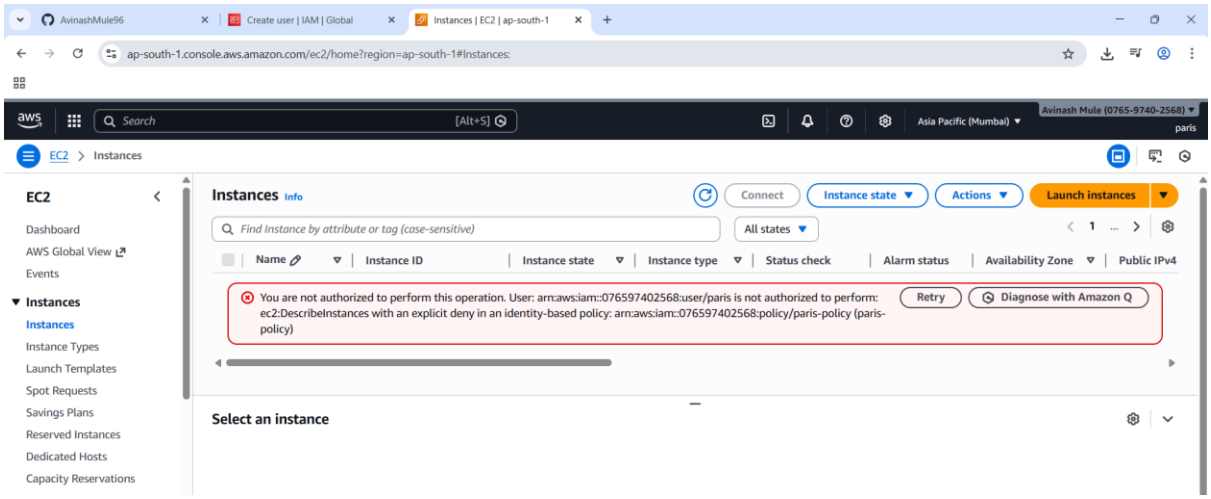
Step 8. Create policy.

Step 10 . Go to IAM service > Users > paris > Add Permissions > Attach Policies directly > Select your policy name > Tik the checkbox > Click Add Permissions.



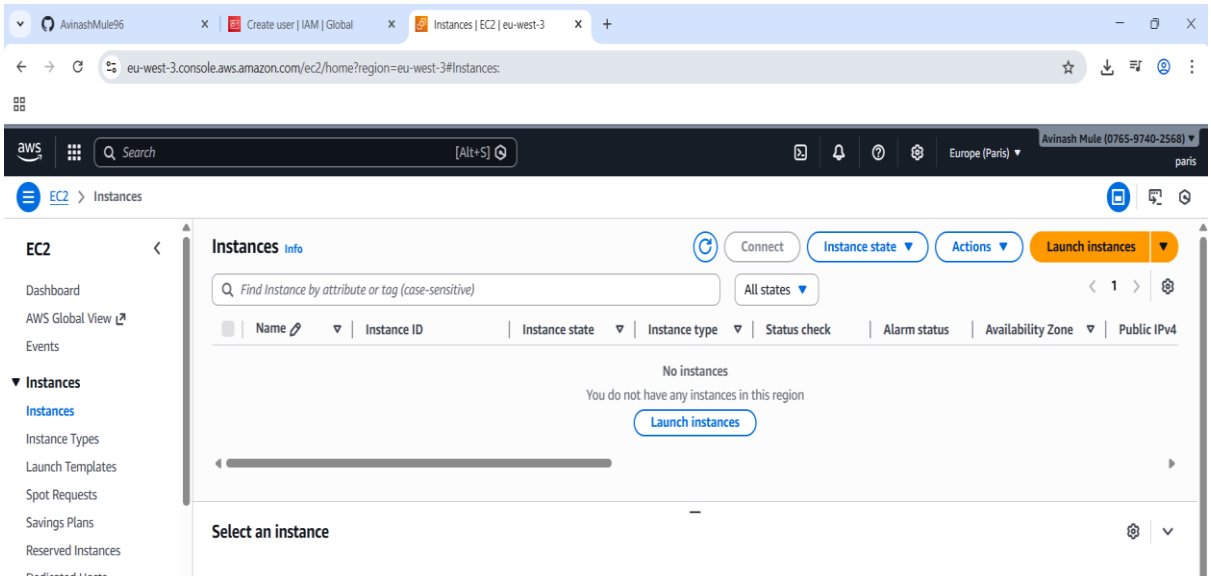
Step 11. Policy added Successfully.

Step 12. Lets check wheather the policy is working or not . Login into IAM User > Select the region Mumbai > Open EC2 instance and try to launch instance.



In Mumbai region> Permission Denied for creating instance.

Step 13. Select the region Paris > Open EC2 instance and try to launch instance.



Resource accessed successfully .