Amazon Web Services



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Maintaining the security of AWS Account

INTRODUCTION

AWS provides cloud computing platforms and API's to individuals and companies on pay-as-you-go basis.

It offers reliable, scalable and inexpensive cloud services.

AMAZON SECURITY

IAM

AWS Identity and Access Management (IAM) is a web service that helps you securely control access to AWS resources. With IAM, you can centrally manage permissions that control which AWS resources users can access.

TASK GIVEN

Problem Statement:

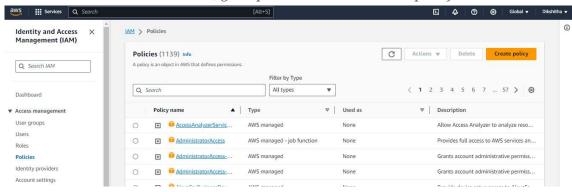
You work for XYZ Corporation. To maintain the security of the AWS account and the resources you have been asked to implement a solution that can help easily recognize and monitor the different users.

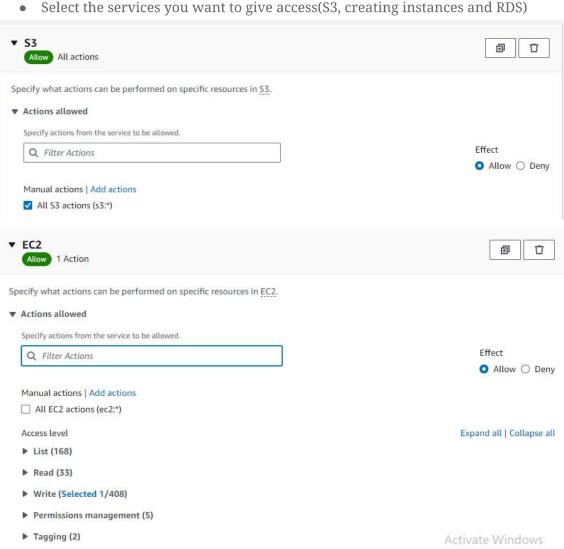
Tasks To Be Performed:

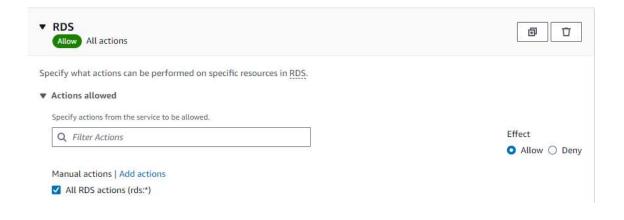
- 1. Create policy number 1 which lets the users to:
- a. Access S3 completely
- b. Only create EC2 instances
- c. Full access to RDS
- 2. Create a policy number 2 which allows the users to:
- a. Access CloudWatch and billing completely
- b. Can only list EC2 and S3
- 3. Attach policy number 1 to the Dev Team from task6.
- 4. Attach policy number 2 to the Ops team from task6.

TASK:

- 1. Create policy number 1 which lets the users to:
- a. Access S3 completely
- b. Only create EC2 instances
- c. Full access to RDS
 - From the IAM dashboard, go to policies section→create policy



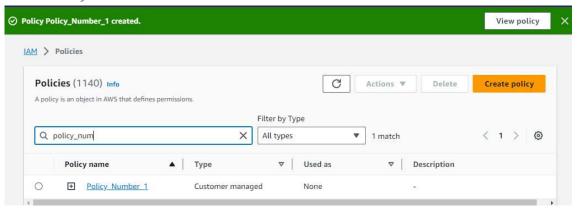




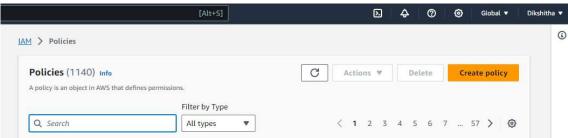
Next, give a name to you policy



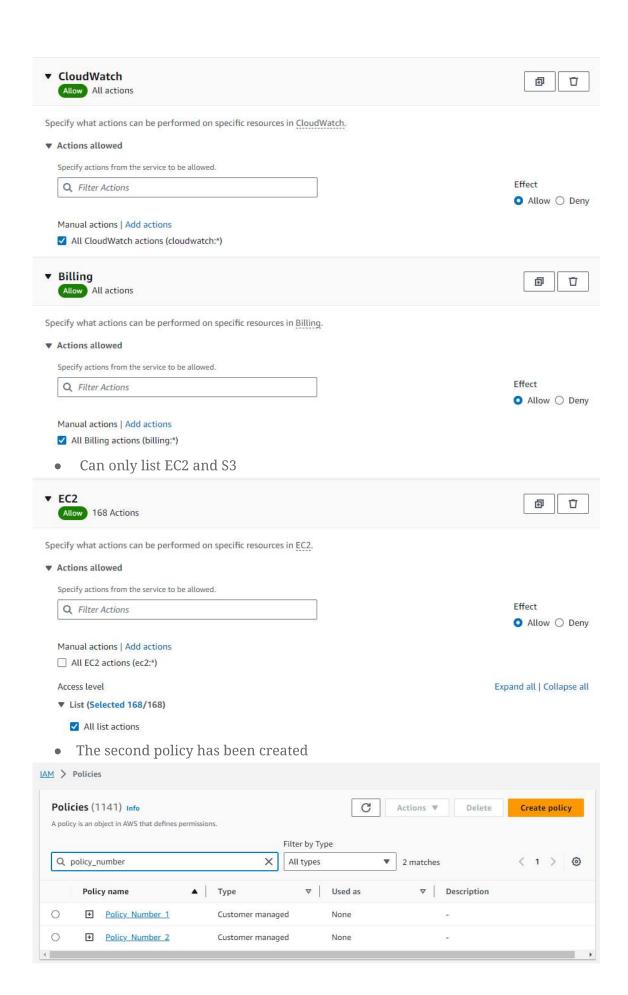
• Policy created.

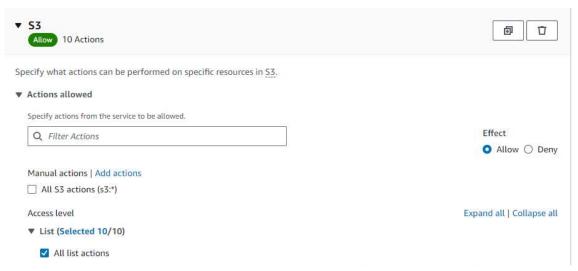


- 2. Create a policy number 2 which allows the users to:
- a. Access CloudWatch and billing completely
- b. Can only list EC2 and S3
 - Similarly, go to policy section and create policy



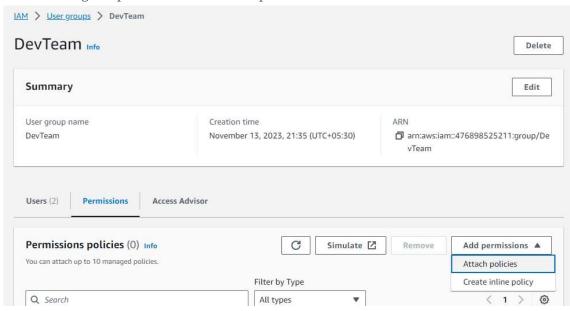
• Select the services you want to give access(CloudWatch and Billing)



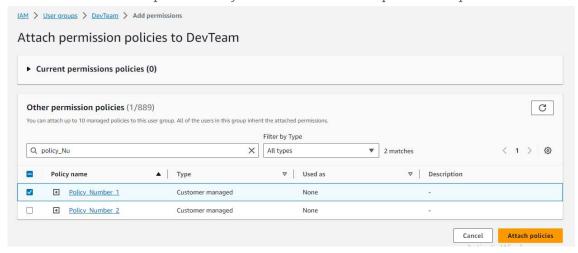


3. Attach policy number 1 to the Dev Team from task6.

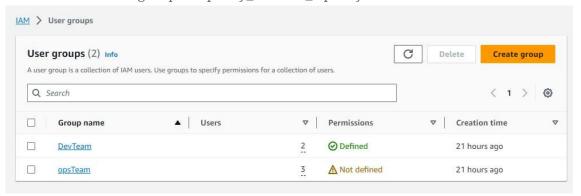
- Go to user groups and then select the group to which we need to add permission
- Next go to permission tab→Add permissions→Attach Policies



Then select the permission you want to add and tap on attach policies

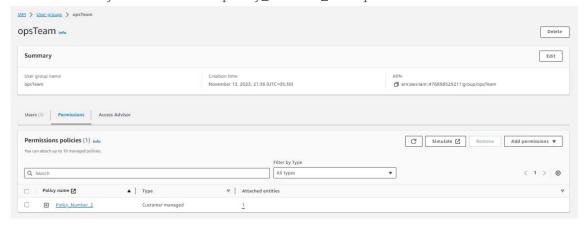


• The devteam group has policy_number_1 policy



4. Attach policy number 2 to the Ops team from task6.

• Similarly I have attached policy_number_2 to opsTeam



CONCLUSION:

Created two policies and attached them to the user group