

IAM Policy Assignment

(Shreyas Umesh Bhinge)

Problem Statement:

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

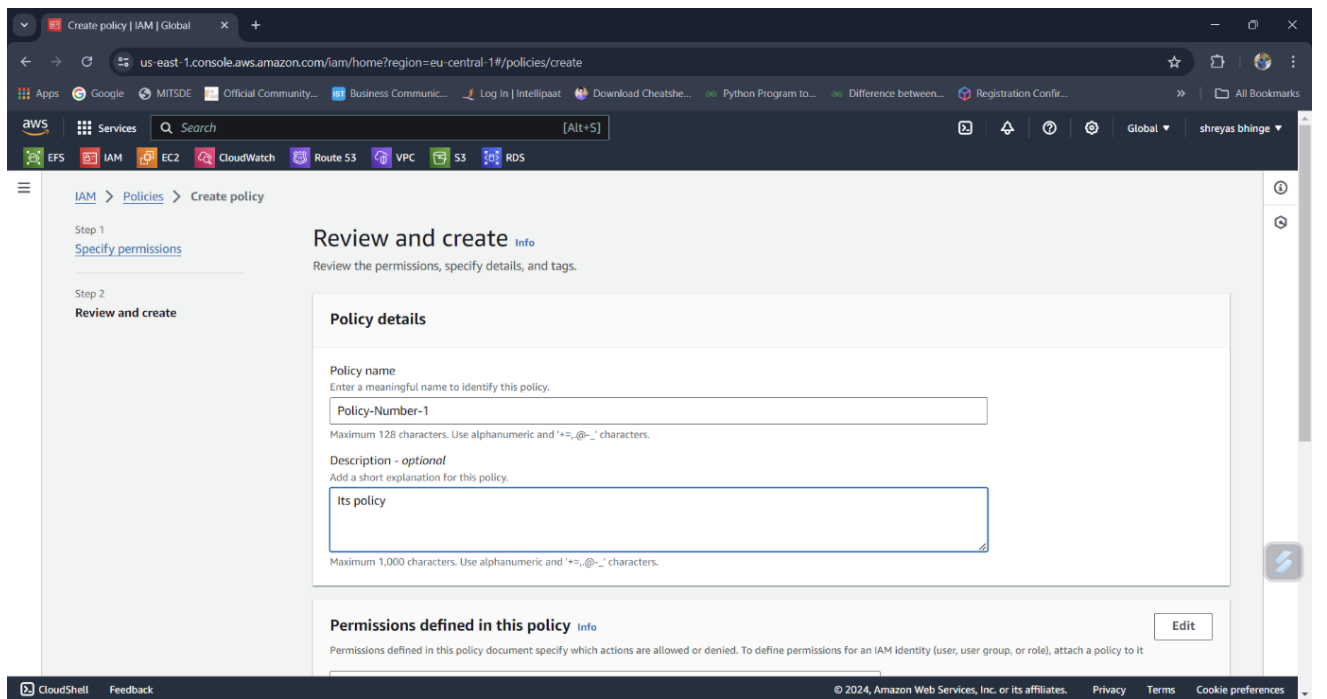
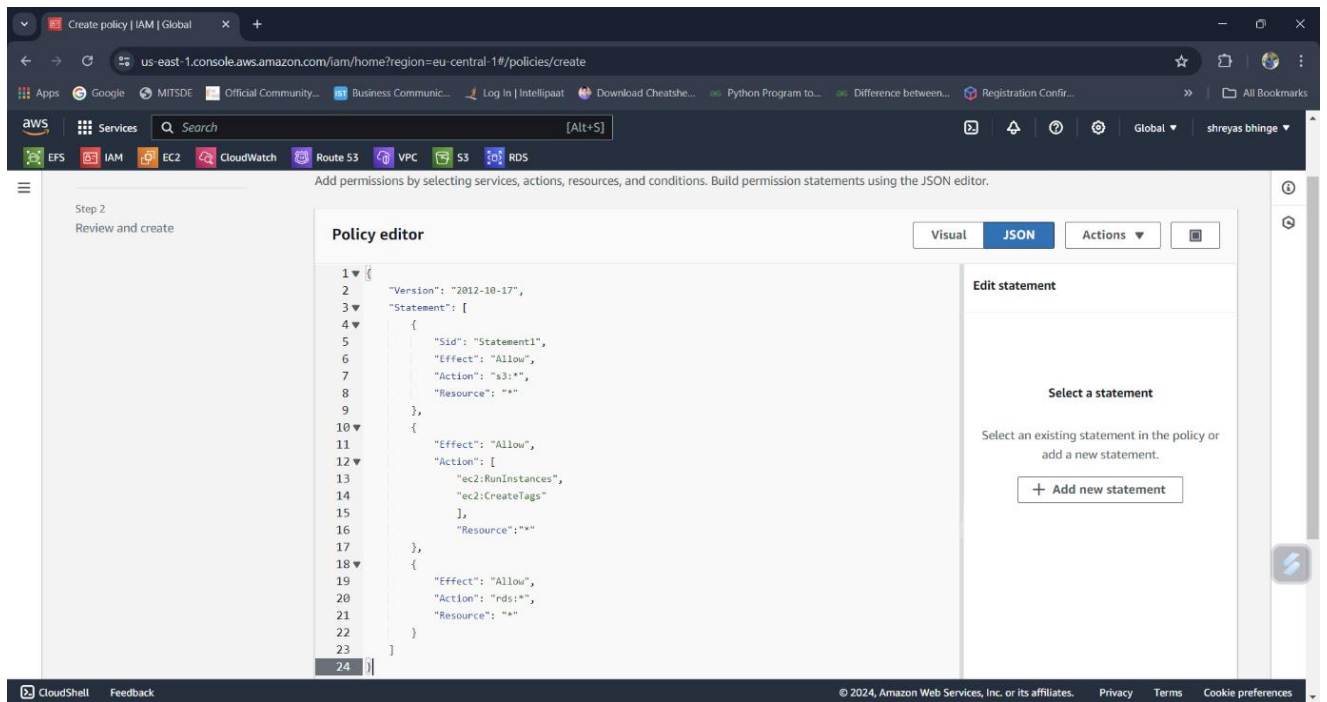
Tasks To Be Performed:

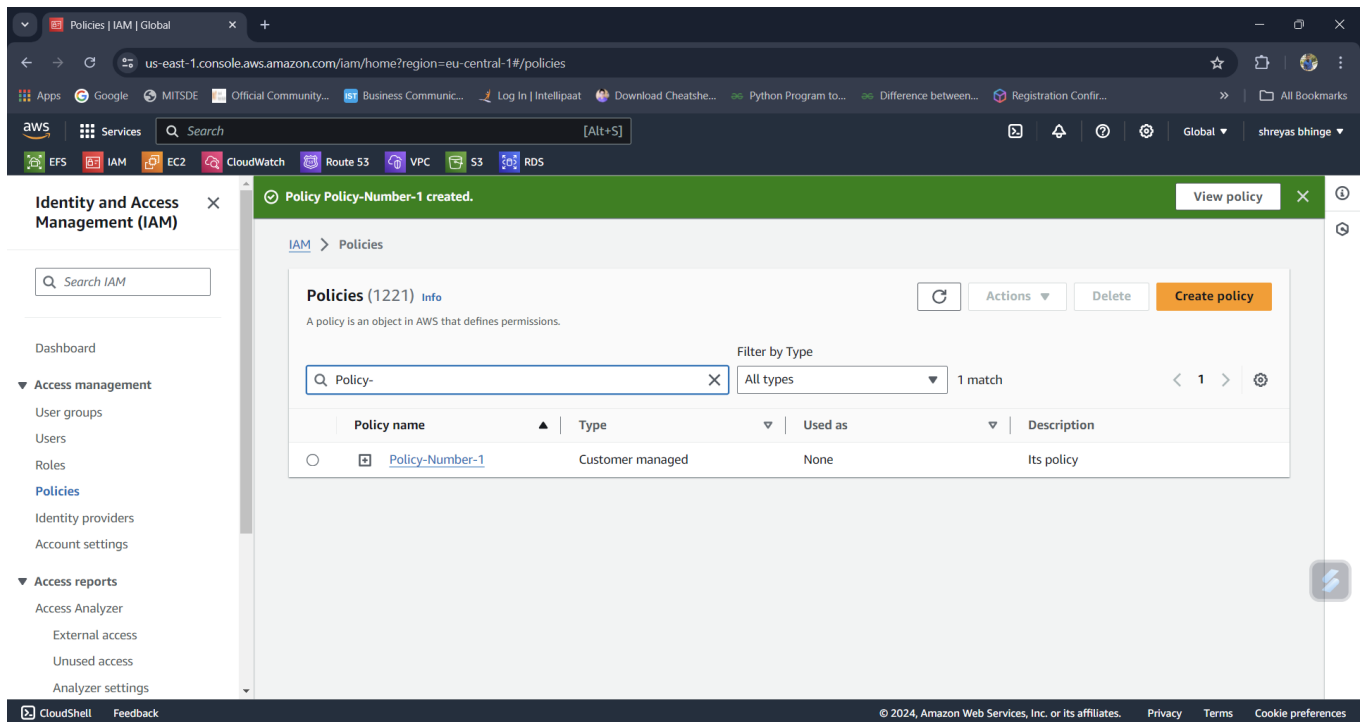
1. Create policy number1 which lets the users to:
 - a. Access S3 completely
 - b. Only create EC2 instances
 - c. Full access to RDS

2. Create a policy number2 which allows the users to:
 - a. Access CloudWatch and billing completely
 - b. Can only list EC2 and S3 resources

3. Attach policy number1 to the Dev Team from task1
4. Attach policy number2 too Ops Team from task 1

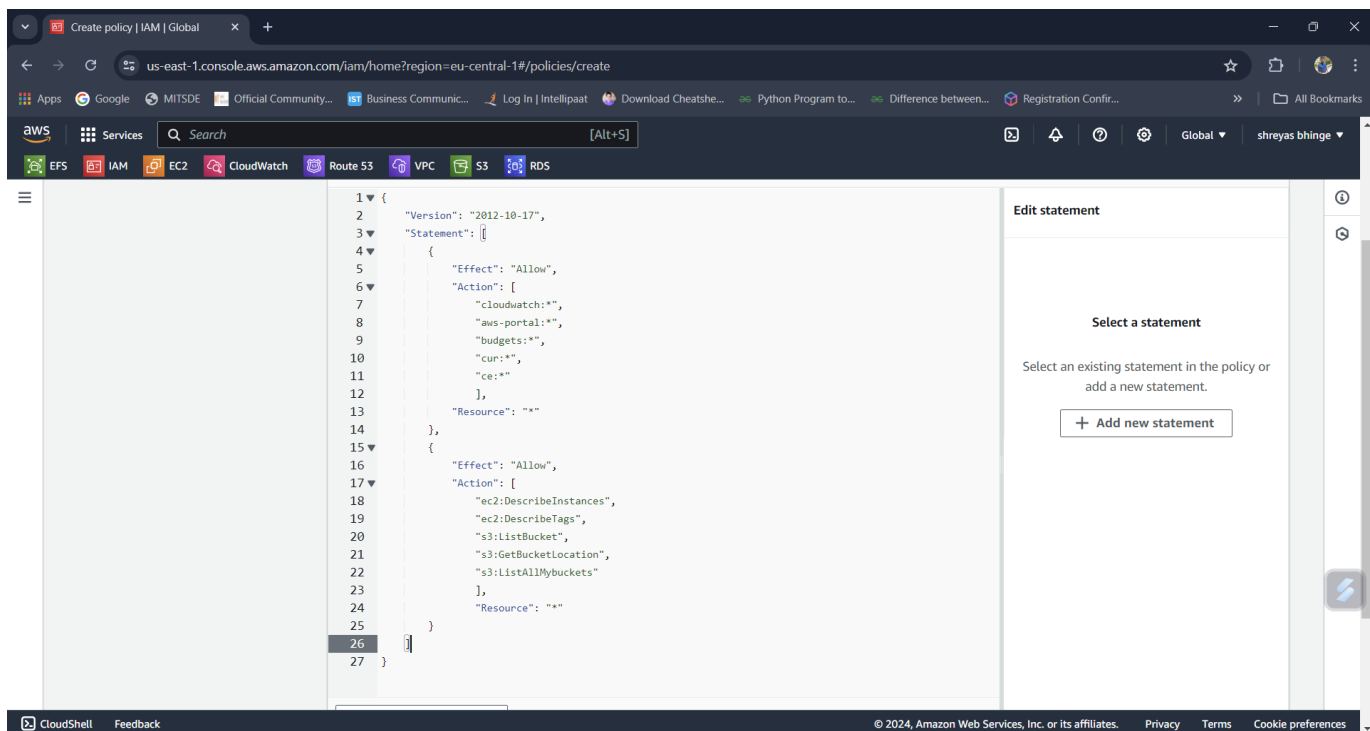
- 1. Create Policy number 1**
 - a. Access S3 completely**
 - b. Only create EC2 instances**
 - c. Full access to RDS**





2. Create a policy number2 which allows the users to:

- Access CloudWatch and billing completely
- Can only list EC2 and S3 resources



Create policy | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=eu-central-1#/policies/create

ServicesSearch[Alt+S]

IAM > Policies > Create policy

Step 1Specify permissions

Step 2Review and create

Review and create

Review the permissions, specify details, and tags.

Policy details

Policy name

Enter a meaningful name to identify this policy.

Policy-Number-2

Maximum 128 characters. Use alphanumeric and '+', '@', '-' characters.

Description - optional

Add a short explanation for this policy.

Its policy

Maximum 1,000 characters. Use alphanumeric and '+', '@', '-' characters.

Permissions defined in this policy

Permissions defined in this policy document specify which actions are allowed or denied. To define permissions for an IAM identity (user, user group, or role), attach a policy to it

Edit

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Policies | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=eu-central-1#/policies

ServicesSearch[Alt+S]

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access Analyzer

External access

Unused access

Analyzer settings

Policy Policy-Number-2 created.

View policy

IAM > Policies

Policies (1222)

A policy is an object in AWS that defines permissions.

Policy-Number-2

Filter by Type

All types

1 match

Policy name	Type	Used as	Description
<input checked="" type="checkbox"/> Policy-Number-2	Customer managed	None	Its policy

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3. Attach policy number1 to the Dev Team from task1

The screenshot shows the AWS IAM console for the 'Dev-Team' group. The 'Permissions' tab is selected, showing that 'Policy-Number-1' is attached to the group. The summary section displays the group name 'Dev-Team', creation time 'July 06, 2024, 19:31 (UTC+05:30)', and ARN 'arn:aws:iam::381492020451:group/Dev-Team'. The left sidebar shows the 'Access management' section with 'User groups' selected.

Dev-Team Info

Summary

User group name: Dev-Team
Creation time: July 06, 2024, 19:31 (UTC+05:30)
ARN: arn:aws:iam::381492020451:group/Dev-Team

Permissions policies (1) Info

You can attach up to 10 managed policies.

Filter by Type: All types

Policy name	Type	Attached entities
Policy-Number-1	Customer managed	1

4. Attach policy number2 too Ops Team from task 1

The screenshot shows the AWS IAM console for the 'Ops-Team' group. The 'Permissions' tab is selected, showing that 'Policy-Number-2' is attached to the group. The summary section displays the group name 'Ops-Team', creation time 'July 06, 2024, 19:32 (UTC+05:30)', and ARN 'arn:aws:iam::381492020451:group/Ops-Team'. The left sidebar shows the 'Access management' section with 'User groups' selected.

Ops-Team Info

Summary

User group name: Ops-Team
Creation time: July 06, 2024, 19:32 (UTC+05:30)
ARN: arn:aws:iam::381492020451:group/Ops-Team

Permissions policies (1) Info

You can attach up to 10 managed policies.

Filter by Type: All types

Policy name	Type	Attached entities
Policy-Number-2	Customer managed	1