

In this guide, I documented about **IAM Users Assignment**, **IAM Policy Assignment**, and **IAM Roles**, including creation, configuration, and best-practice usage.

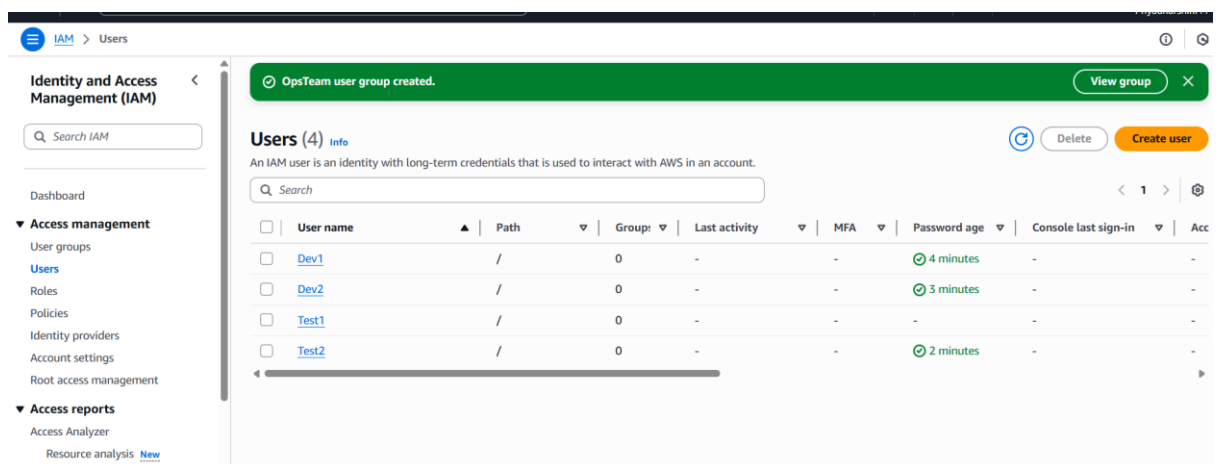
## ✓ 1. Create IAM Users

Create the following users in the IAM dashboard:

- **Dev1**
- **Dev2**
- **Test1**
- **Test2**

Steps:

1. Go to **IAM Console** → *Users* → **Create User**
2. Enter the username
3. Choose **Programmatic access** or **Console access** as needed
4. Complete the creation process
5. Repeat for all four users



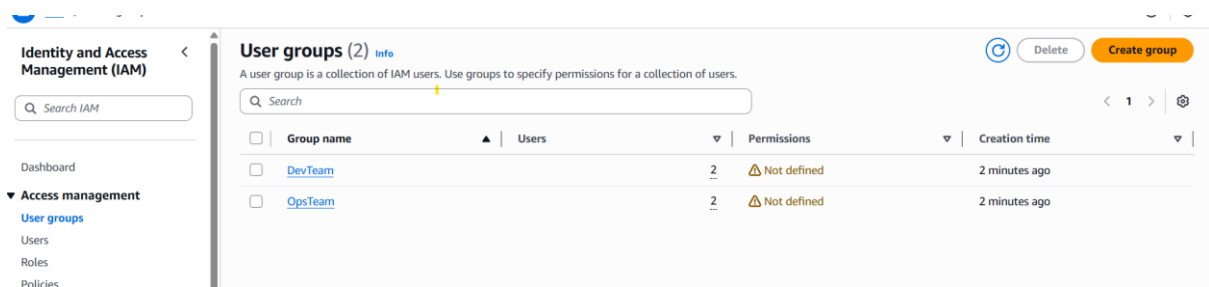
## ✓ 2. Create IAM Groups

Create two IAM groups:

- **Dev Team**
- **Ops Team**

### Steps:

1. Go to **IAM Console** → *User Groups* → **Create Group**
2. Enter the group name
3. (Optional) Attach policies
4. Create the group
5. Repeat for both groups



## IAM POLICY

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

Policy PolicyNumber1 created.

View policy

Policy details

Type

Customer managed

Creation time

November 15, 2025, 11:49 (UTC+05:30)

Edited time

November 15, 2025, 11:49 (UTC+05:30)

ARN

arn:aws:iam::395069634226:policy/PolicyNumber1

Permissions

Entities attached

Tags

Policy versions (1)

Last Accessed

Permissions defined in this policy

Info

Edit

Summary

JSON

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

Search

Allow (3 of 452 services)

Show remaining 449 services

Service	Access level	Resource	Request condition
EC2	Limited: Write	All resources	None
RDS	Full access	All resources	None
S3	Full access	All resources	None

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

IAM > Policies > PolicyNumber2

Policy PolicyNumber2 created.

View policy

Policy details

Type

Customer managed

Creation time

November 15, 2025, 12:10 (UTC+05:30)

Edited time

November 15, 2025, 12:10 (UTC+05:30)

ARN

arn:aws:iam::395069634226:policy/PolicyNumber2

Permissions

Entities attached

Tags

Policy versions (1)

Last Accessed

Permissions defined in this policy

Info

Edit

Summary

JSON

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

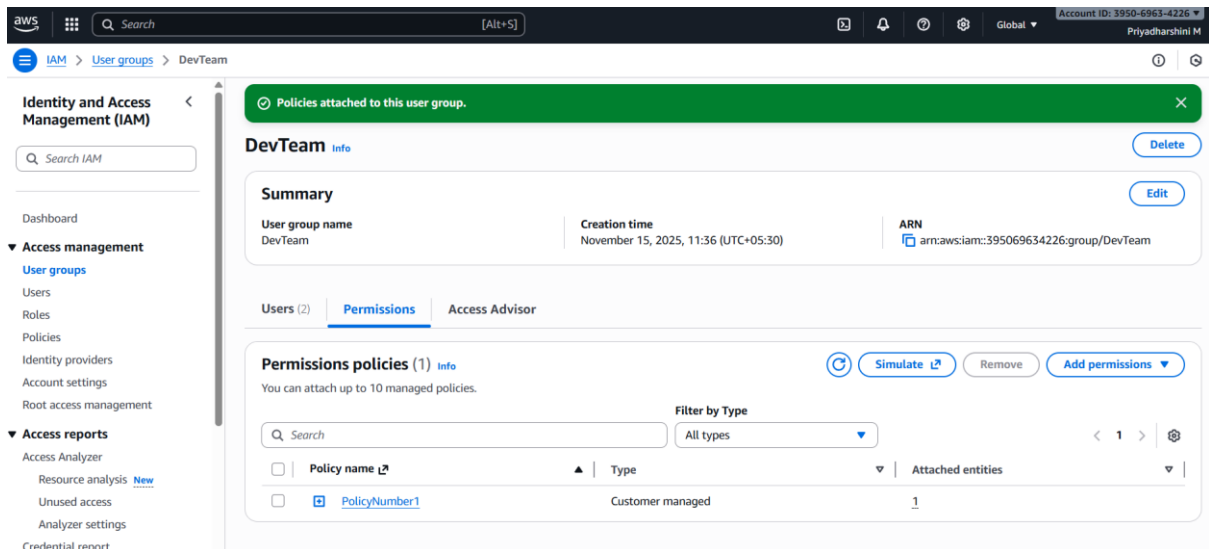
Search

Allow (4 of 452 services)

Show remaining 448 services

Service	Access level	Resource	Request condition
Billing	Full access	All resources	None
CloudWatch	Full access	All resources	None
EC2	Limited: List	All resources	None
S3	Limited: List	All resources	None

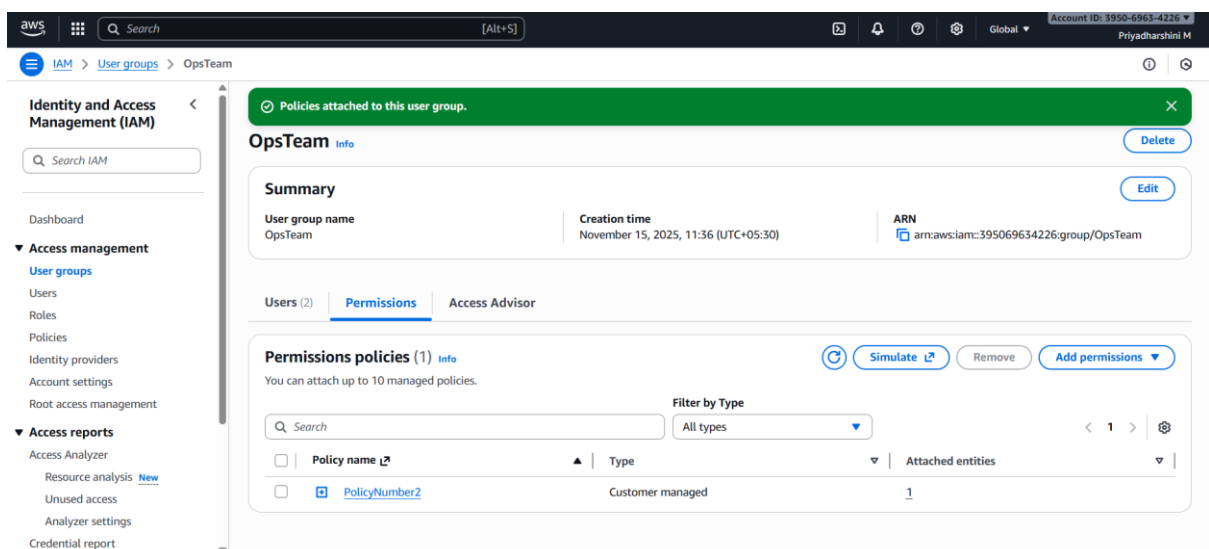
### 3. Attach policy number 1 to the Dev Team from task 1



The screenshot shows the AWS IAM console interface. The left sidebar contains navigation links for Identity and Access Management (IAM), Access management, and Access reports. The main content area displays the 'DevTeam' user group details. A green banner at the top indicates 'Policies attached to this user group.' Below this, the 'Summary' section shows the user group name 'DevTeam', creation time 'November 15, 2025, 11:36 (UTC+05:30)', and ARN 'arn:aws:iam::395069634226:group/DevTeam'. The 'Permissions' tab is active, showing 'Permissions policies (1)'. A table lists the attached policy: 'PolicyNumber1' of type 'Customer managed' with 1 attached entity. Buttons for 'Simulate', 'Remove', and 'Add permissions' are visible.

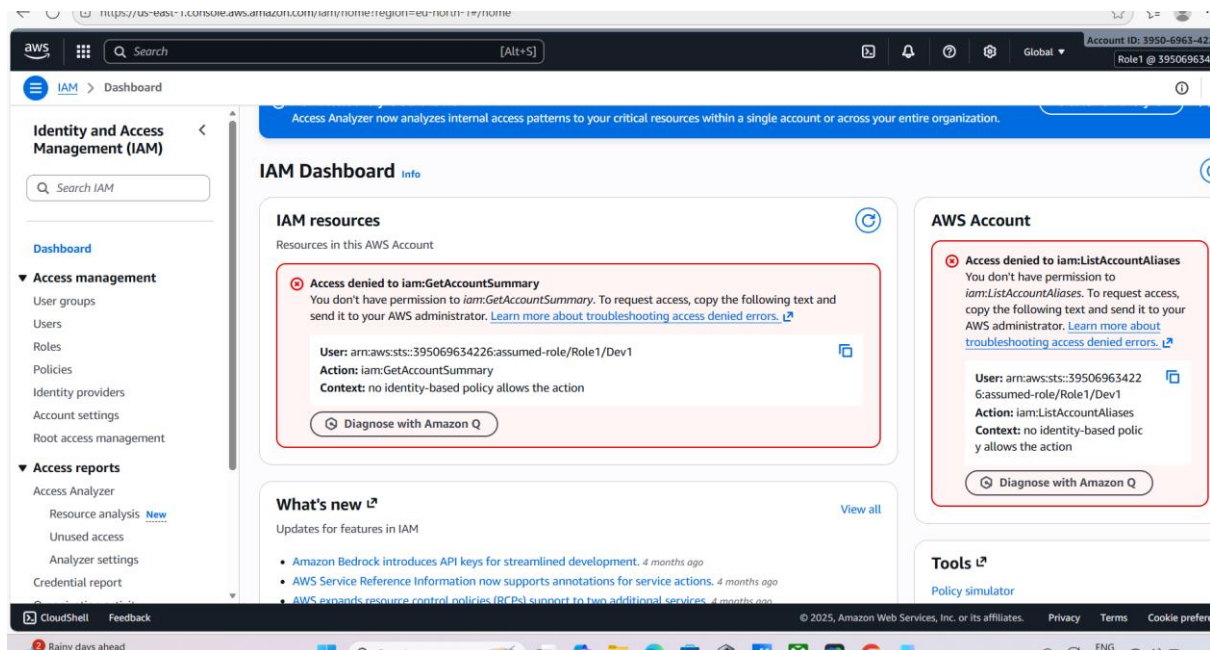
Policy name	Type	Attached entities
PolicyNumber1	Customer managed	1

### 4. Attach policy number 2 to Ops Team from task 1



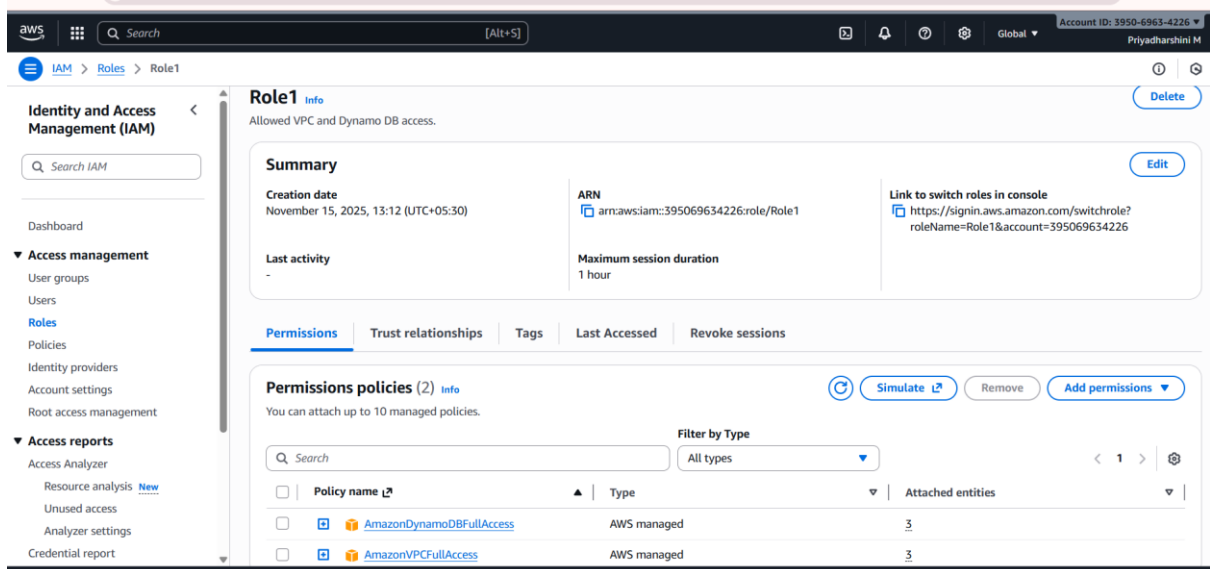
The screenshot shows the AWS IAM console interface for the 'OpsTeam' user group. The layout is similar to the previous screenshot, but the user group name is 'OpsTeam' and the ARN is 'arn:aws:iam::395069634226:group/OpsTeam'. The 'Permissions' tab shows 'Permissions policies (1)' with a table listing 'PolicyNumber2' of type 'Customer managed' with 1 attached entity. Buttons for 'Simulate', 'Remove', and 'Add permissions' are visible.

Policy name	Type	Attached entities
PolicyNumber2	Customer managed	1



## IAM Roles

Create a role which only lets user1 and user2 from task 1 to have complete access to VPCs and DynamoDB.



Update, Set Trust Policy to allow Dev 1 and Dev 2

aws [Alt+S] Global Priyadharshini

Identity and Access Management (IAM)

Creation date: November 15, 2025, 13:12 (UTC+05:30)

ARN: arn:aws:iam::395069634226:role/Role1

Link to switch roles in console: <https://signin.aws.amazon.com/switchrole?roleName=Role1&account=395069634226>

Last activity: -

Maximum session duration: 1 hour

Permissions: Trust relationships Tags Last Accessed Revoke sessions

Trusted entities

Entities that can assume this role under specified conditions.

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Effect": "Allow",
6       "Principal": {
7         "AWS": [
8           "arn:aws:iam::395069634226:user/dev1",
9           "arn:aws:iam::395069634226:user/dev2"
10        ]
11      },
12      "Action": "sts:AssumeRole"
13    }
14  ]
15 }
```

Edit trust policy

Logged in as Dev1, able to switch the role "role1" to access "VPC and Dynamo DB"

VPC | eu-north-1

https://eu-north-1.console.aws.amazon.com/vpcconsole/home?region=eu-north-1#Home:

aws [Alt+S] Europe (Stockholm) Account ID: 3950-6963-4226 Role1 @ 395069634226

VPC dashboard

AWS Global View

Filter by VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

DHCP option sets

Elastic IPs

Managed prefix lists

NAT gateways

Peering connections

Route servers

Security

Network ACLs

Security groups

PrivateLink and Lattice

Create VPC Launch EC2 Instances

Note: Your instances will launch in the Europe region.

Resources by Region

You are using the following Amazon VPC resources

Refresh Resources

VPCs Stockholm 1

See all regions

NAT Gateways Stockholm 0

See all regions

Subnets Stockholm 3

See all regions

VPC Peering Connections Stockholm 0

See all regions

Route Tables Stockholm 1

See all regions

Network ACLs Stockholm 1

See all regions

Internet Gateways Stockholm 1

See all regions

Security Groups Stockholm 5

See all regions

Egress-only Internet Gateways Stockholm 0

See all regions

Customer Gateways Stockholm 0

See all regions

Service Health

View complete service health details

Settings

Block Public Access

Zones

Console Experiments

Additional Information

VPC Documentation

All VPC Resources

Forums

Report an Issue

AWS Network Manager

AWS Network Manager provides tools and features to help you manage and

CloudShell Feedback

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Rainy days ahead 30°C

Search

ENG IN

13:20 15-11-2025

Dashboard | Amazon DynamoDB

https://eu-north-1.console.aws.amazon.com/dynamodbv2/home?region=eu-north-1#dashboard

aws

Search

[Alt+S]

Europe (Stockholm)

Account ID: 3950-6963-4226

Role1 @ 395069634226

DynamoDB

Dashboard

DynamoDB

Dashboard

Tables

Explore items

PartiQL editor

Backups

Exports to S3

Imports from S3

Integrations

Reserved capacity

Settings

DAX

Clusters

Subnet groups

Parameter groups

Events

Dashboard

Favorite tables

View all tables

Find favorite tables

< 1 >

Table name

Status

Created at (UTC)

No favorite tables

To get started, click the star icon on the tables page or table details page to favorite a table.

Alarms (0) Info

Manage in CloudWatch

Find alarms

< 1 >

Alarm name

Status

No custom alarms

DAX clusters (0) Info

View details

Find clusters

< 1 >

Create resources

Create an Amazon DynamoDB table for fast and predictable database performance at any scale. [Learn more](#)

Create table

Amazon DynamoDB Accelerator (DAX) is a fully-managed, highly-available, in-memory caching service for DynamoDB. [Learn more](#)

Create DAX cluster

What's new

NOV 6 Amazon DynamoDB Streams expands AWS PrivateLink support to FIPS endpoints

OCT 31 Amazon DynamoDB Accelerator now supports AWS PrivateLink

CloudShell

Feedback

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