

IAM Roles

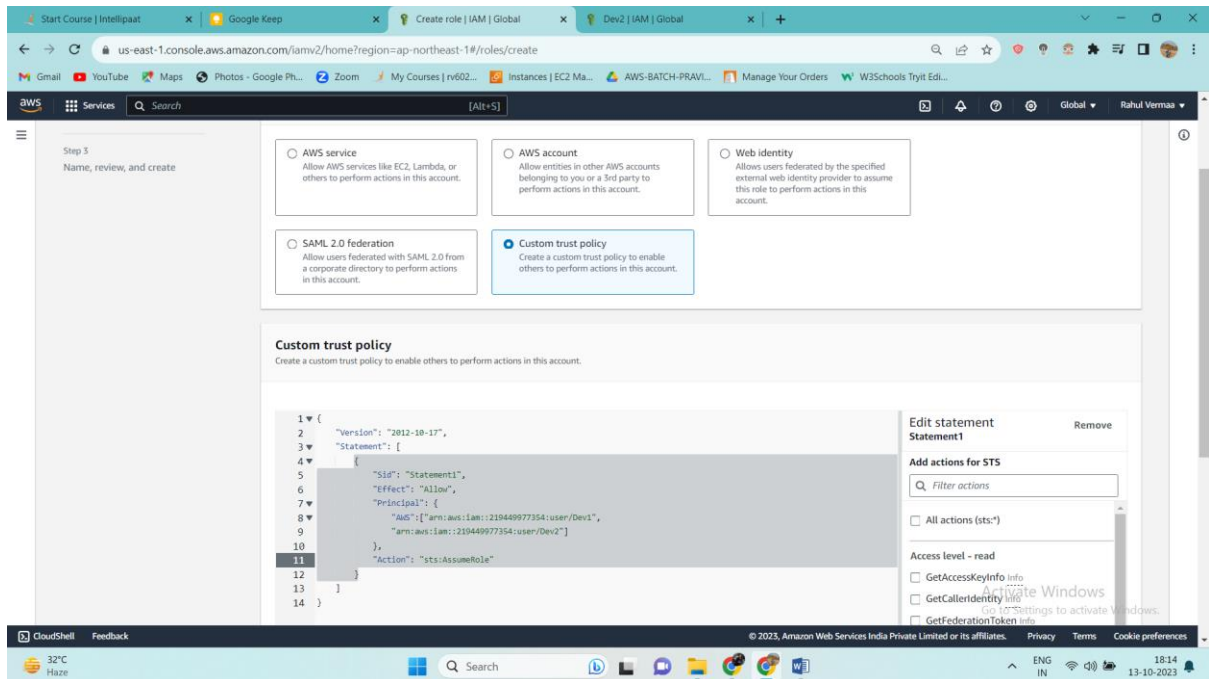
Problem Statement:

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.

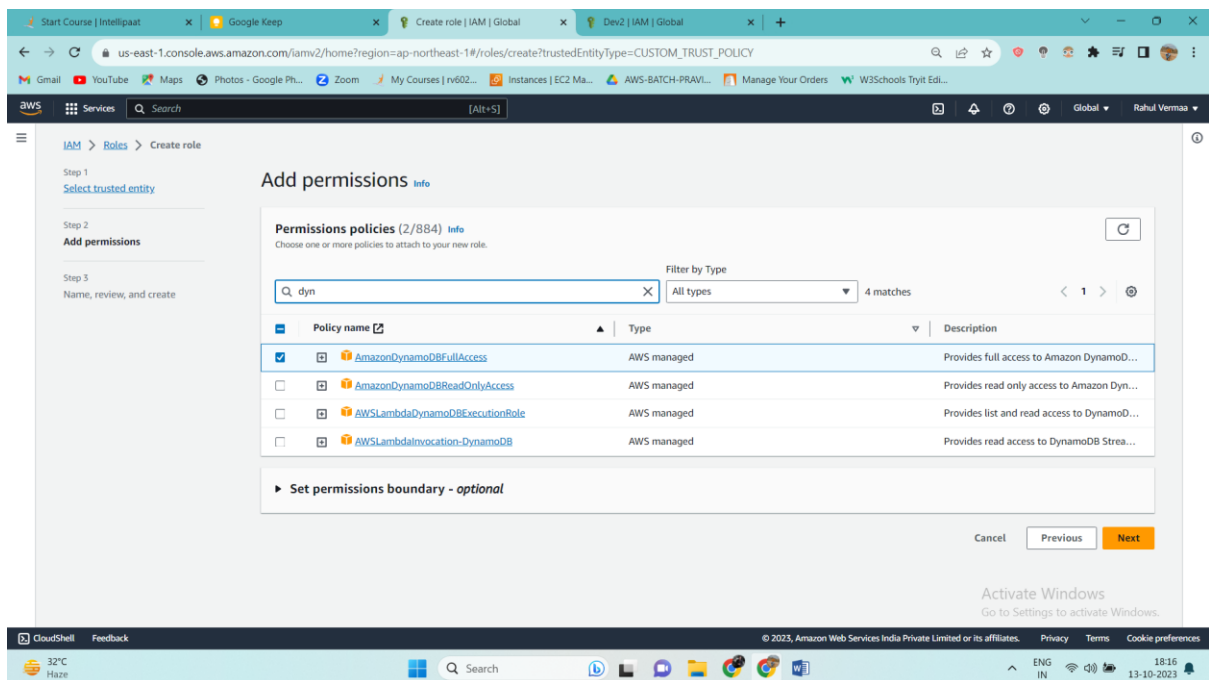
Tasks To Be Performed:

1. Create a role which only lets user1 and user2 from task 1 to have complete access to VPCs and DynamoDB.
2. Login into user1 and shift to the role to test out the feature.

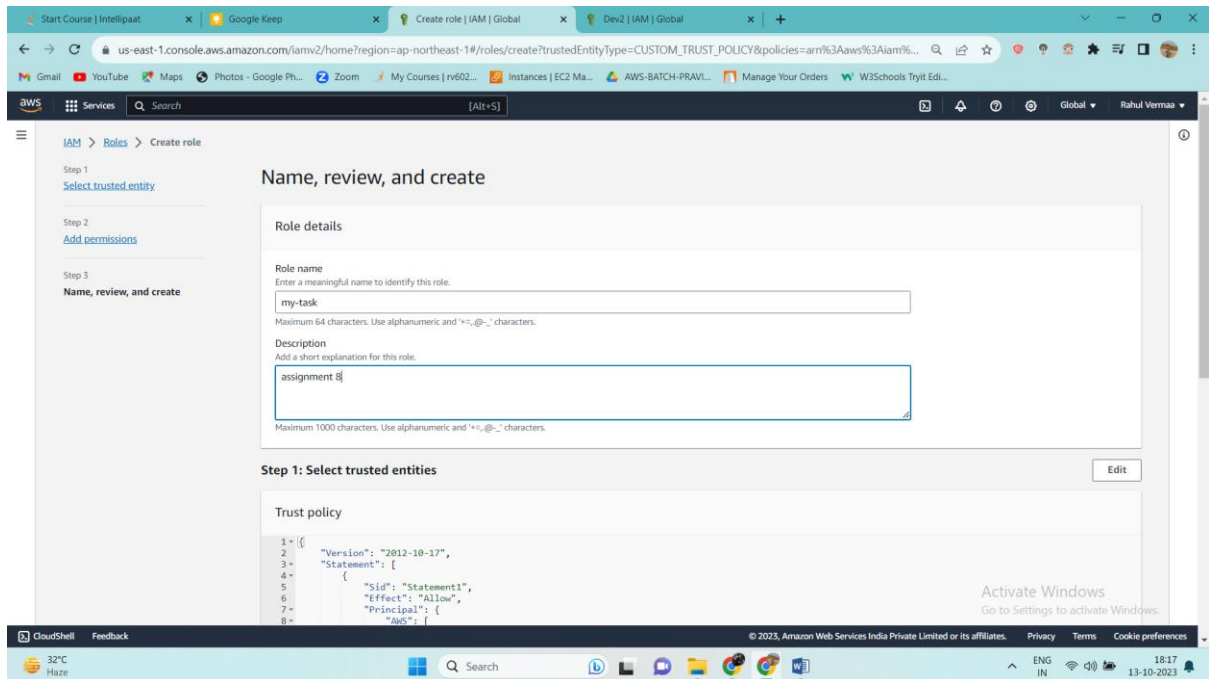
First we will create role



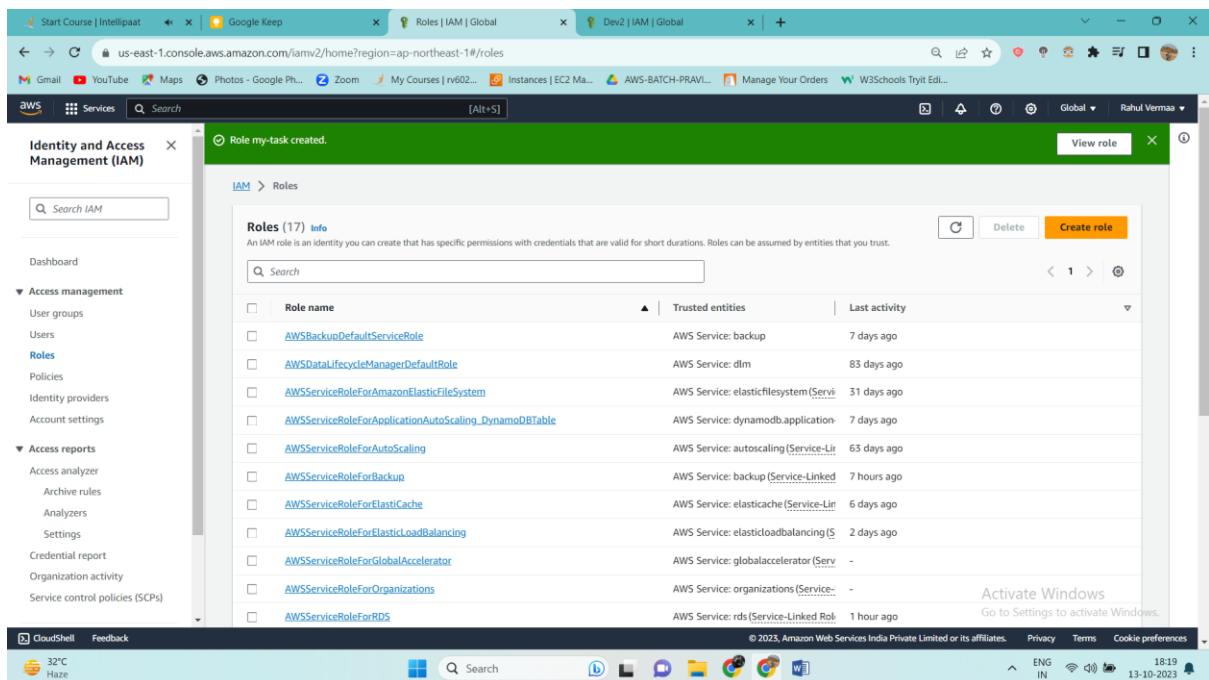
Select policies vpc and dynamodb full access



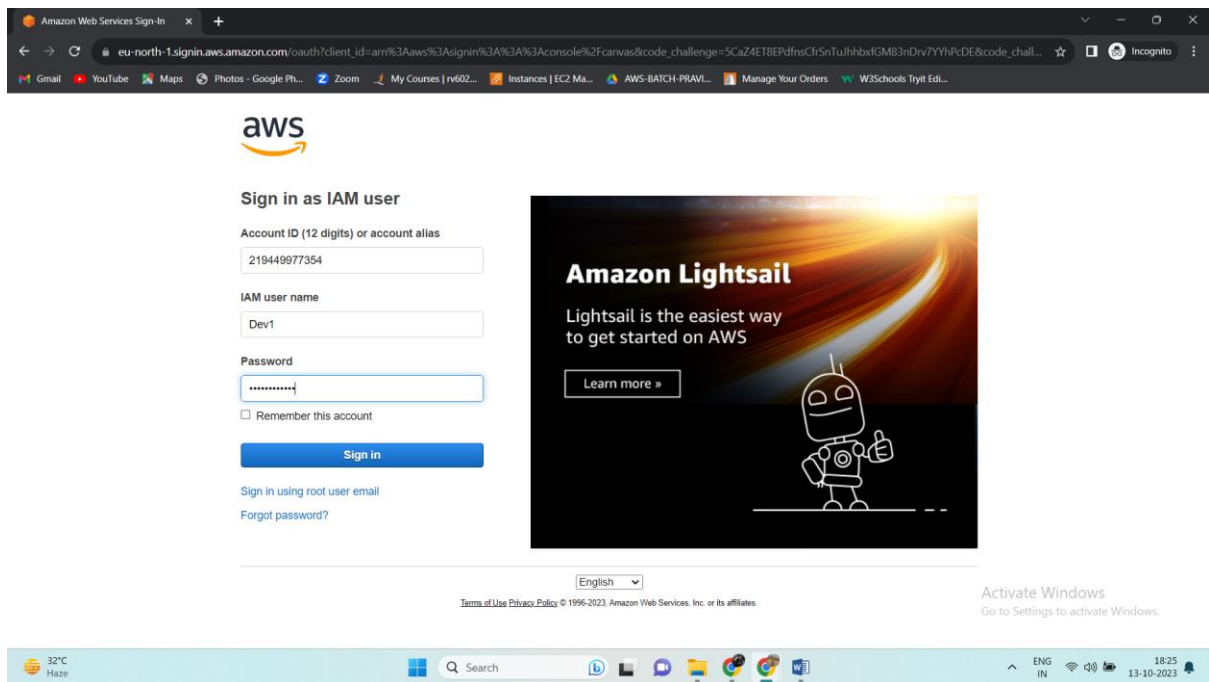
Define it and click it on create role button



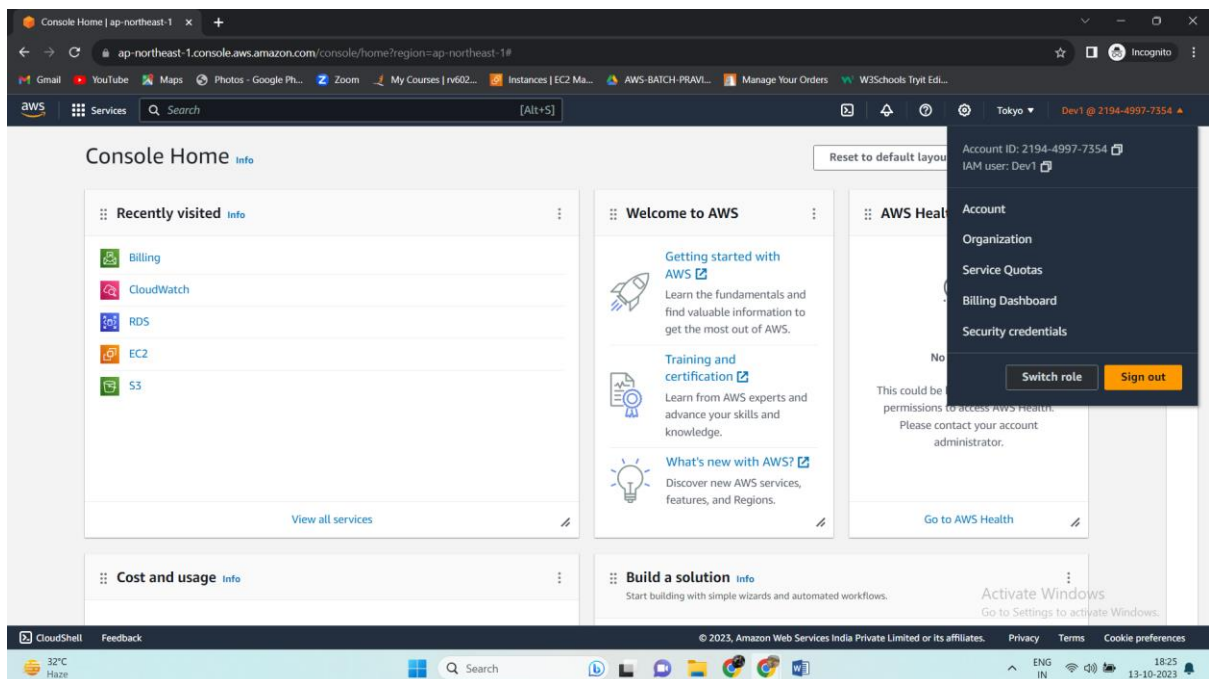
Role is created



Now let's check if it working fine or not. Just login to Dev1/ user1

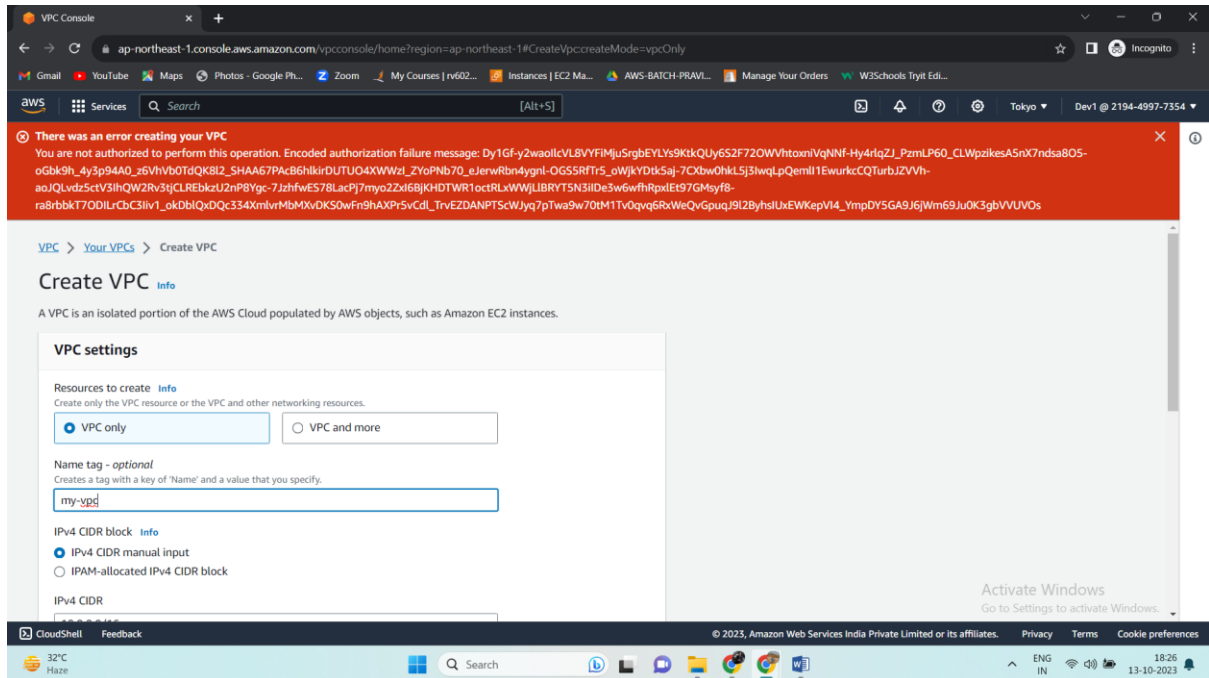


Logged in to Dev1

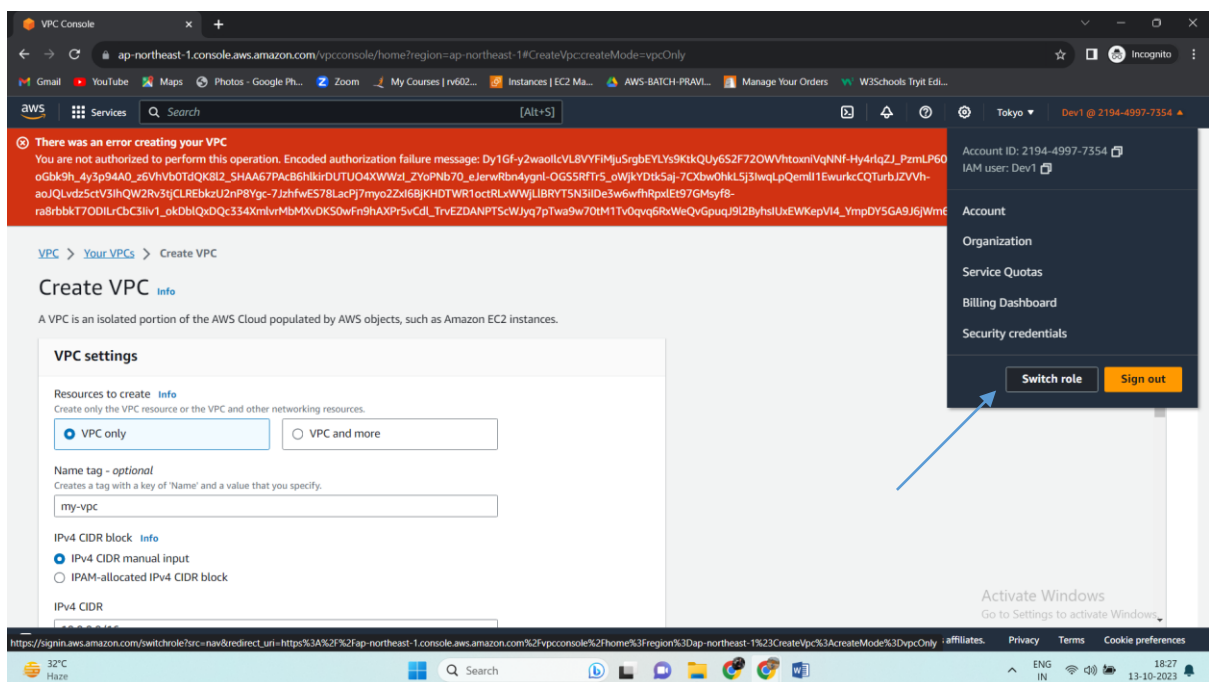


Now let's try to create vpc

And it is showing me an error



Now let's switch the role in Dev1 account



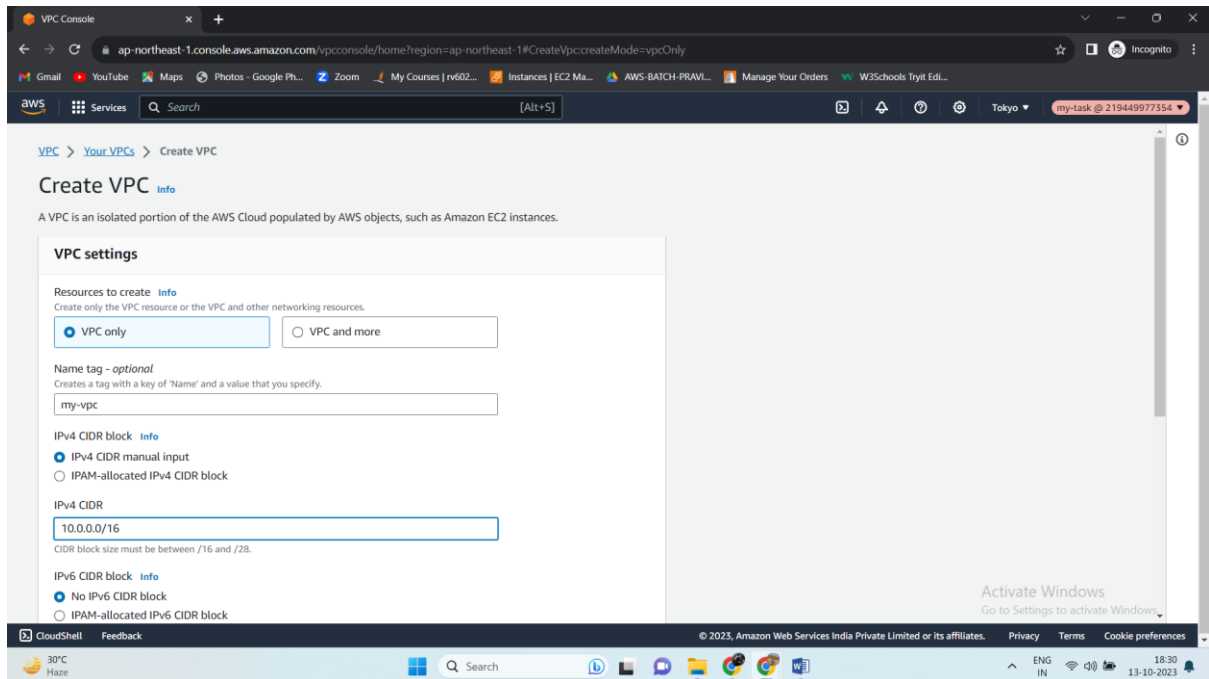
Copy account id of root user

The screenshot shows the AWS IAM console interface. The left sidebar contains navigation links for Identity and Access Management (IAM), Access management, Access reports, and Multi-factor authentication (MFA). The main content area displays the details for a user named 'Dev1'. The 'Summary' section shows the user's ARN as 'arn:aws:iam::219449977354:user/Dev1', created on October 11, 2023, and last console sign-in 23 hours ago. The 'Security credentials' tab is selected, showing console access enabled without MFA and an access key. The 'Console sign-in' section provides a link to the console and shows the last console sign-in 23 hours ago. The 'Multi-factor authentication (MFA)' section is currently empty. The top right corner shows the user's account ID: 2194-4997-7354. The bottom of the screen shows the Windows taskbar with the date 13-10-2023 and time 18:28.

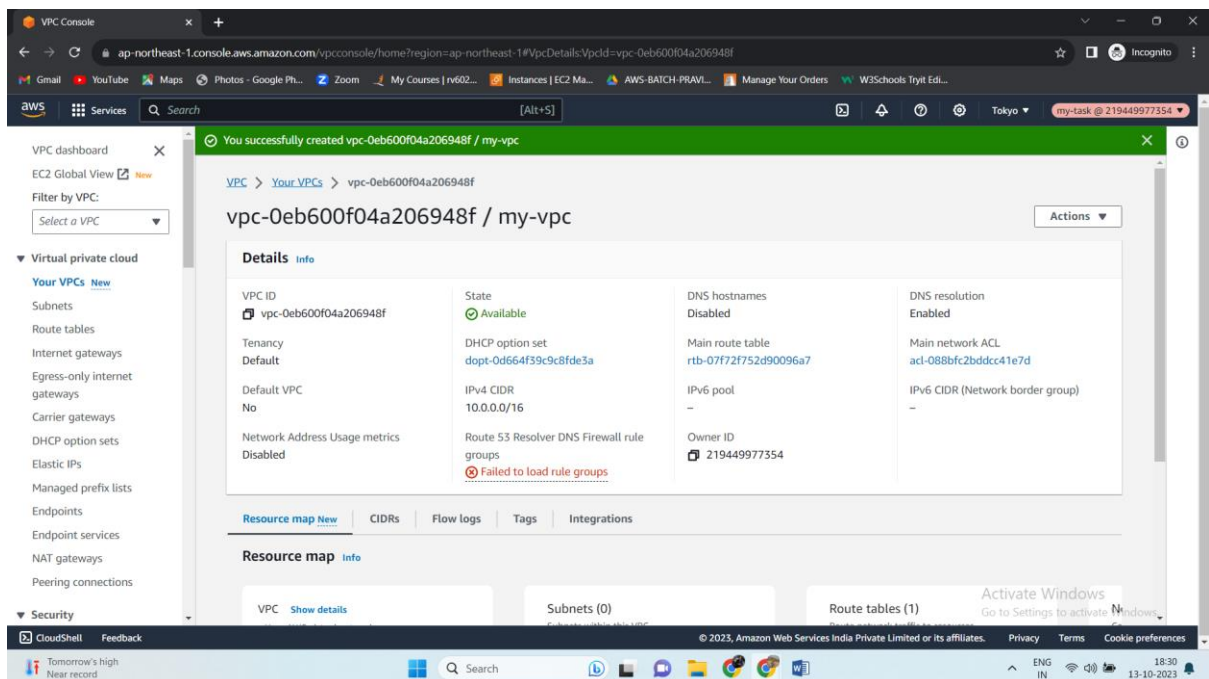
Enter role name

The screenshot shows the 'Switch Role' dialog box in the AWS console. The dialog box is titled 'Switch Role' and contains the following information: Account* (219449977354), Role* (my-task), Display Name (my-task @ 219449977354), and Color (a a a a a a). The 'Switch Role' button is highlighted. The bottom of the screen shows the Windows taskbar with the date 13-10-2023 and time 18:29.

Now let's try to create vpc

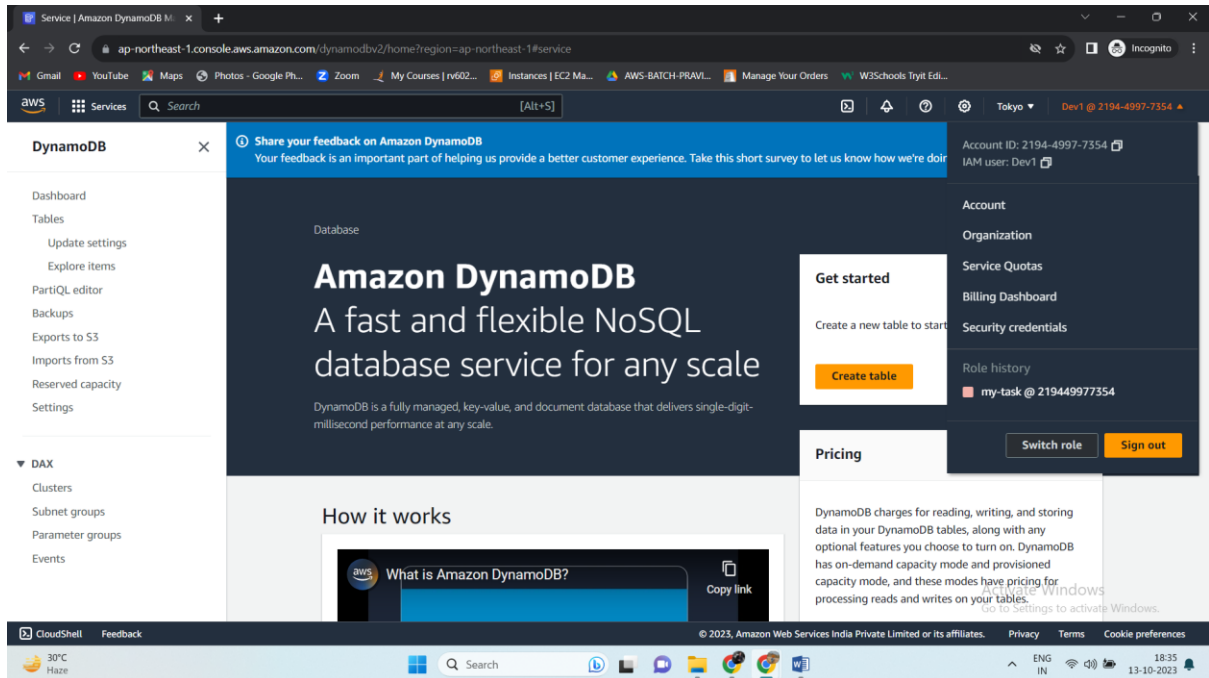


And this time we are able to create the vpc successfully

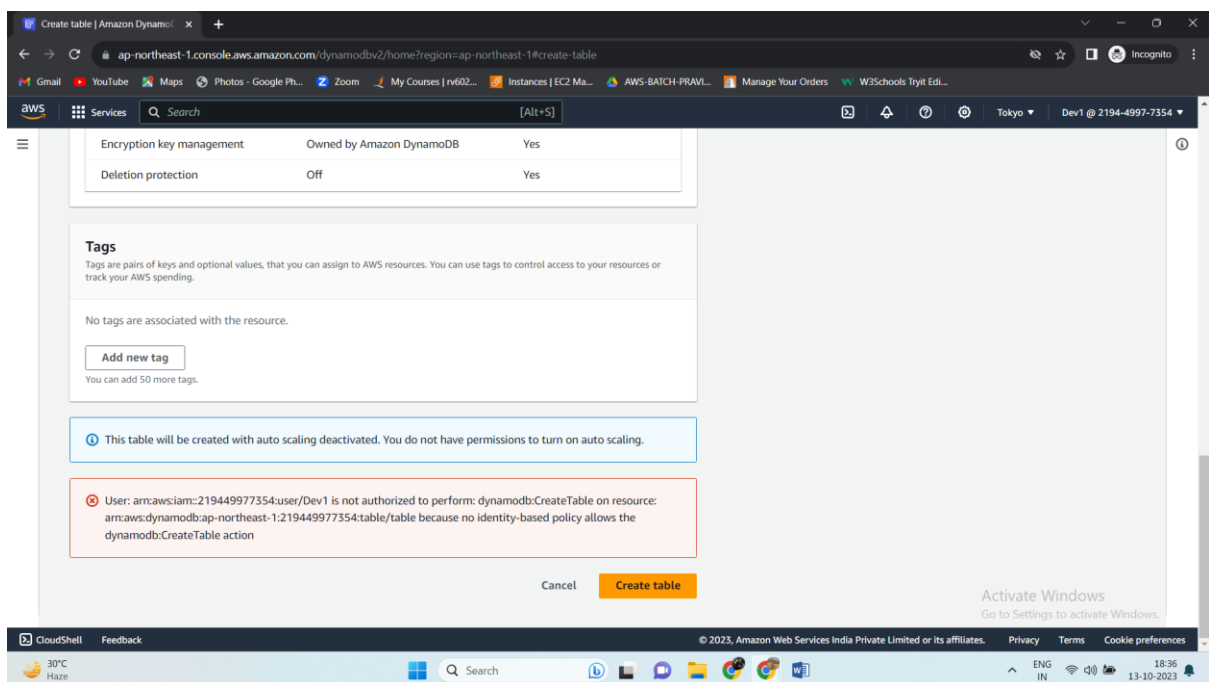


Now we will try dynamodb

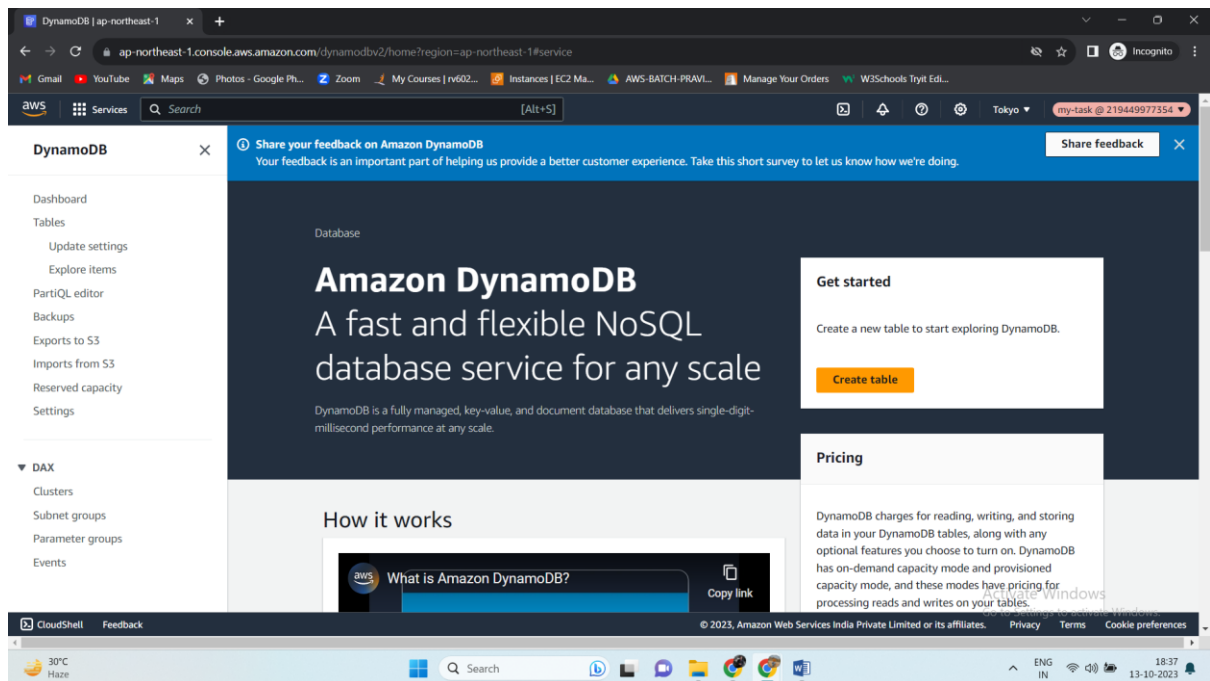
And here we have switched the role again



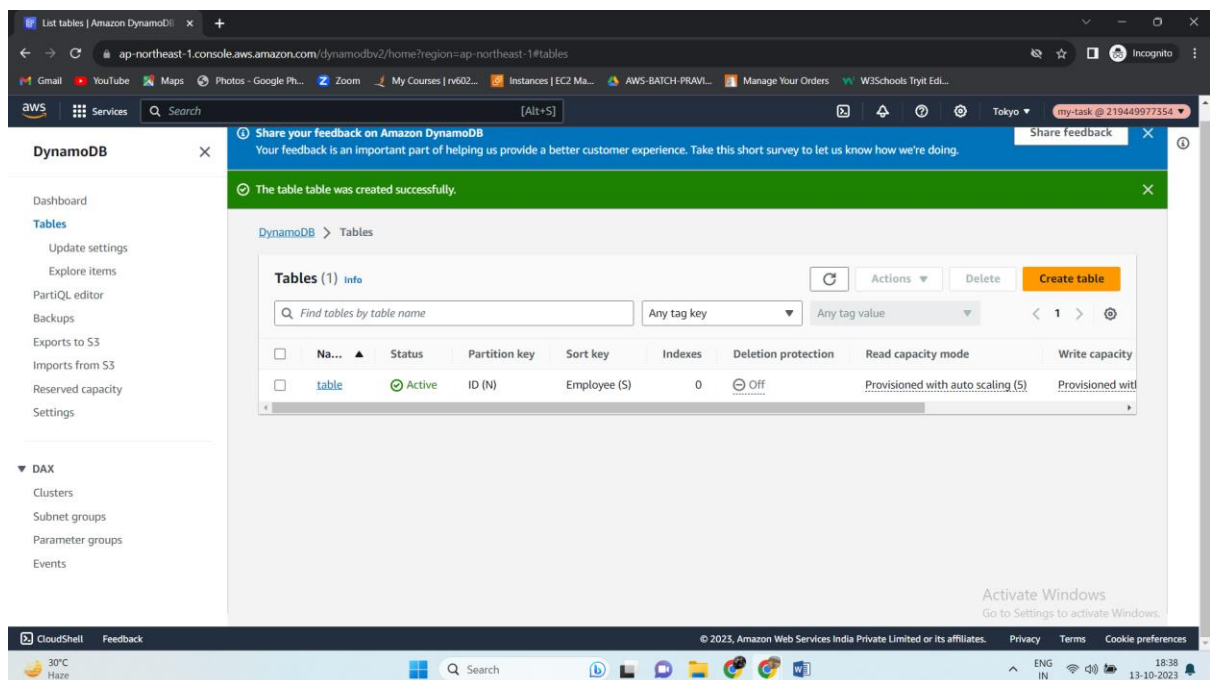
And it is also showing me an error



Now let's switch the role to my-task



Now this time we were able to create the table



DONE!