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School of Computer Science, Engineering and Applications(SCSEA)
B.C.A. TY (CCSA)
Subject : Infrastructure Orchestration (P)

Name of the Student: Prakhar Anil Sharma **PRN:** 20220801121

Title of Practical : Cross Account Access

Step 1: Create a Role in the Provider Account

1. Log in to the AWS Console with the Provider account (the account you want to give access to).In my case (Prajwal Deshpande)

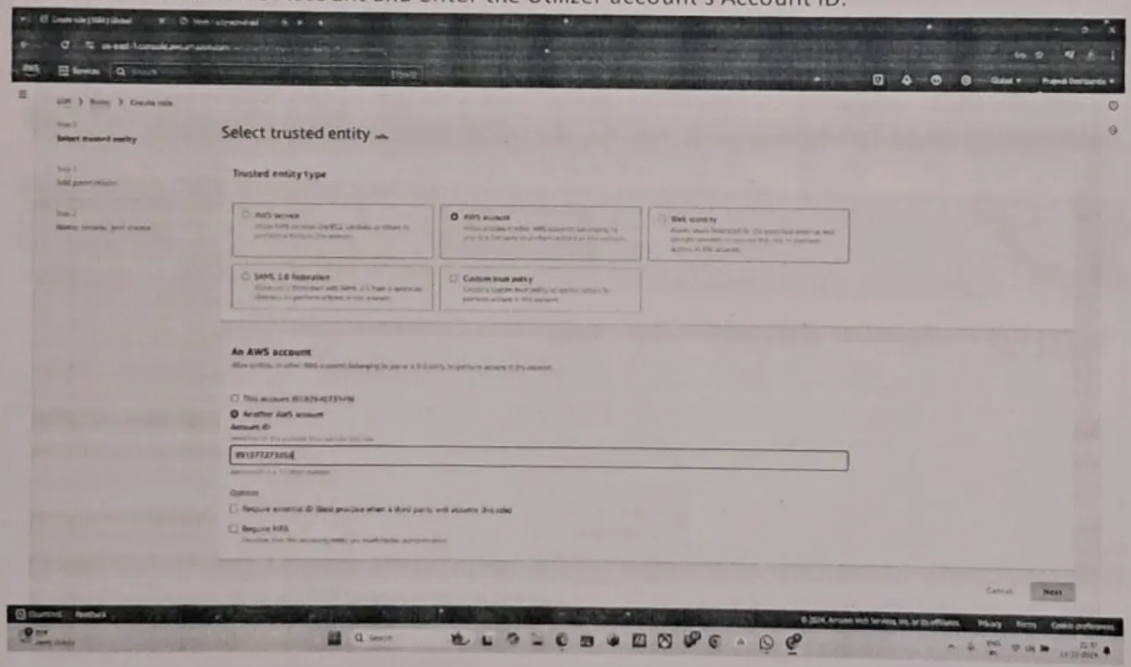
2. Navigate to the IAM Service.

3. In the left navigation pane, click on Roles.

4. Click on Create Role.

Step 2: Set Up Trusted Entity

- In the Trusted Entity Type section, select AWS Account. IAMRoleTrustedEntityType
- Scroll down to the An AWS Account section.
- Choose Another AWS Account and enter the Utilizer account's Account ID.



Step 3: Add Permissions

- In the Add Permissions section, filter the permissions by AWS Managed - Job Function
- In the search bar, search for ReadOnlyAccess.

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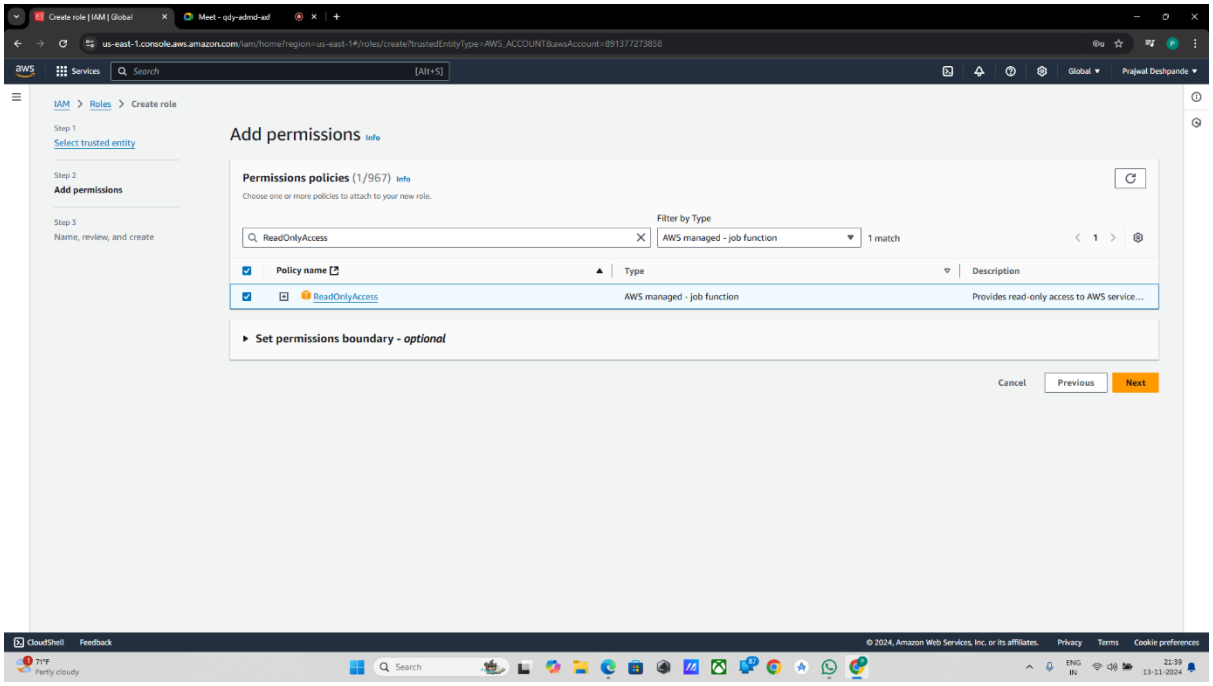
• Select the ReadOnlyAccess policy to provide read-only access to the Utilizer account.



Step 4: Name, Review, and Create Role

1. Enter a name and description for the role.

2. Review the role configuration and click on Create Role.

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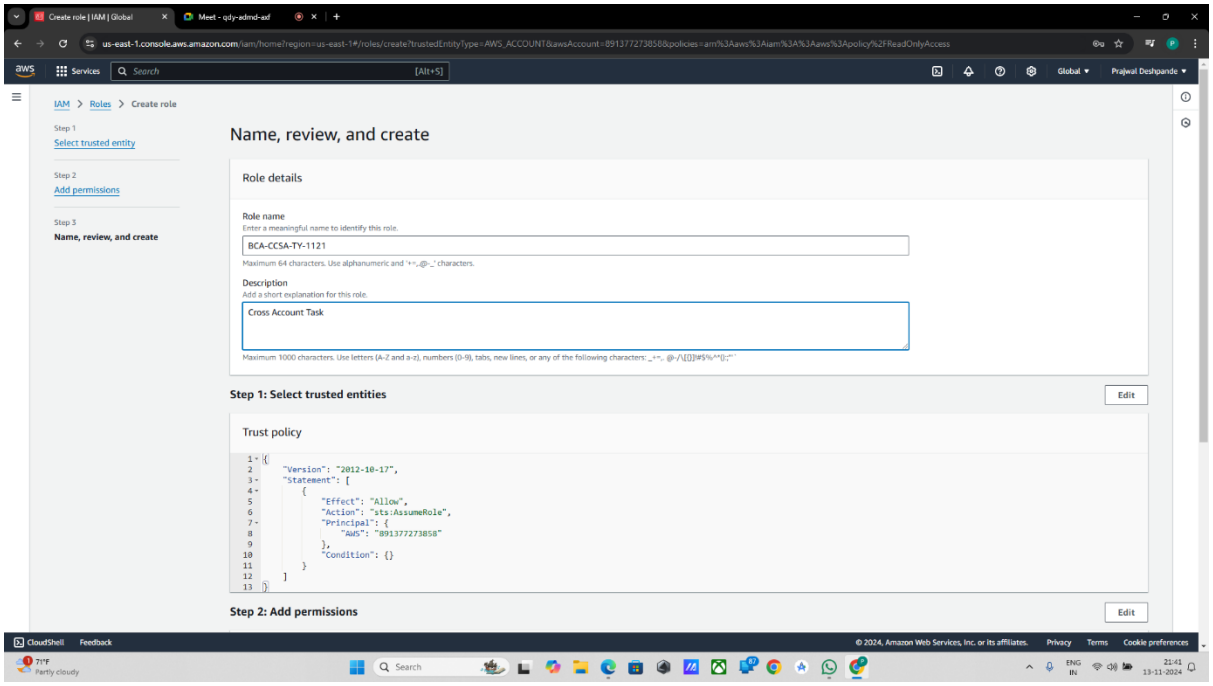

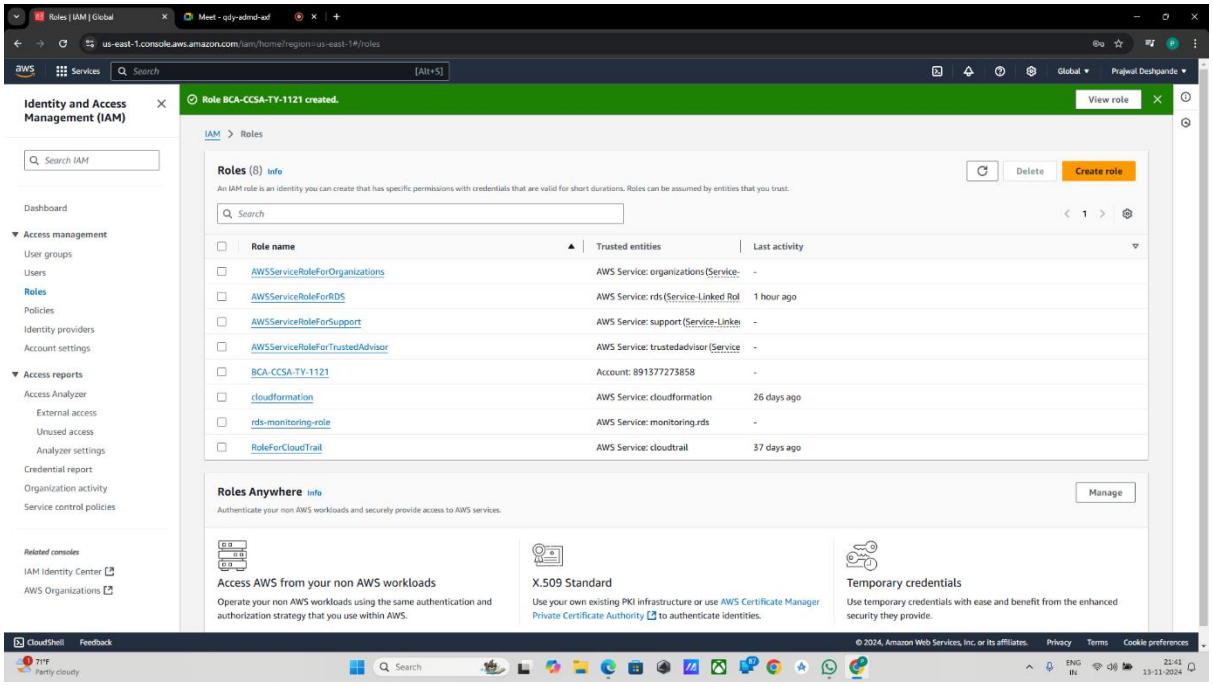

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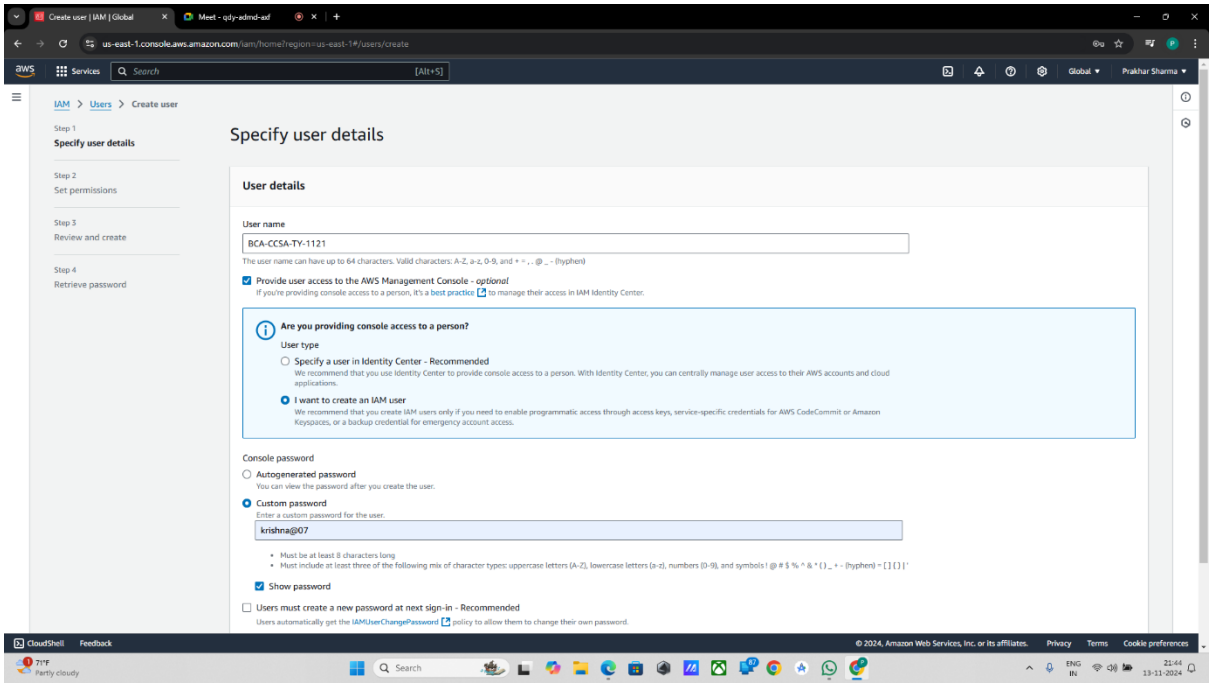
Step 5: Create an IAM User in the Utilizer Account

1. Log in to the Utilizer account.(In this case Prakhar Sharma)

2. Go to the IAM Service and create a new IAM User.

3. Name the user, check the Provide user access to the AWS Management Console field, and then provide a password.

4. Attach the AdministratorAccess policy to the user



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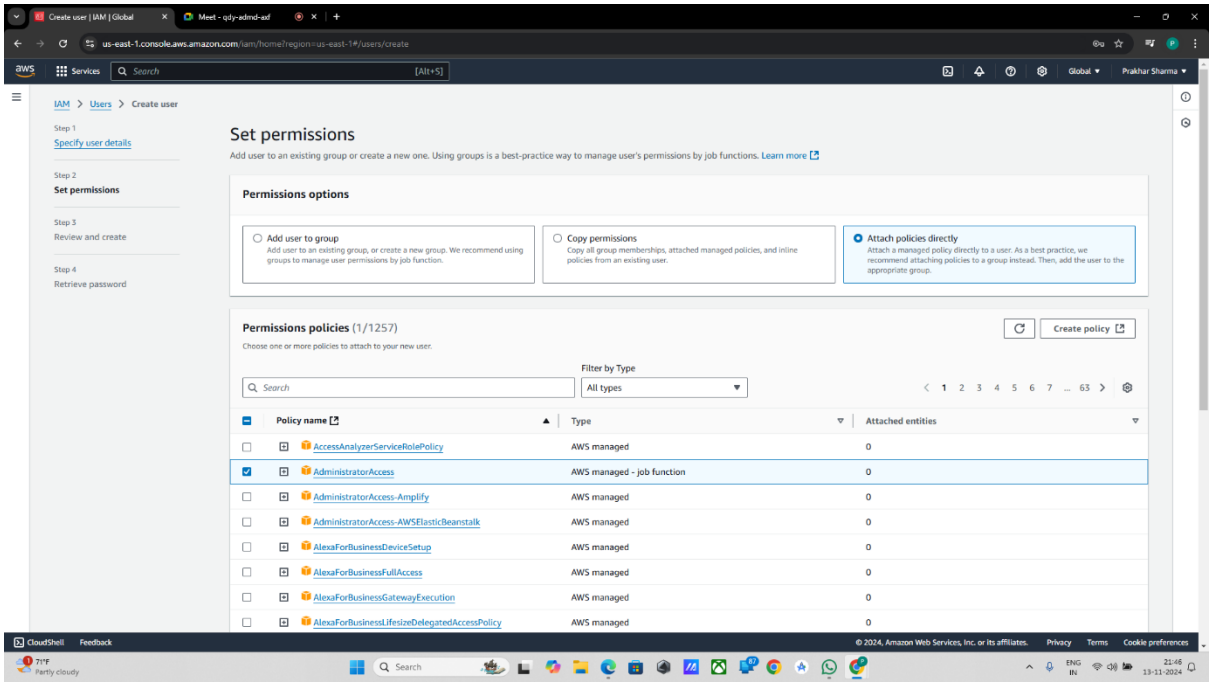

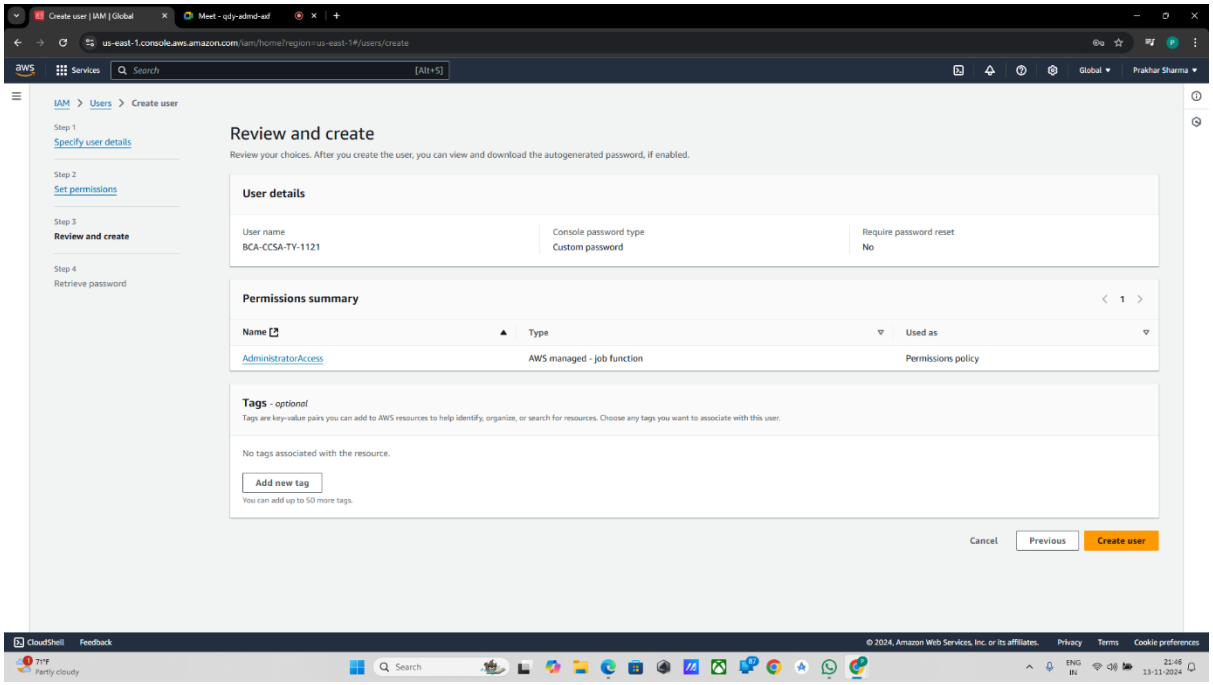

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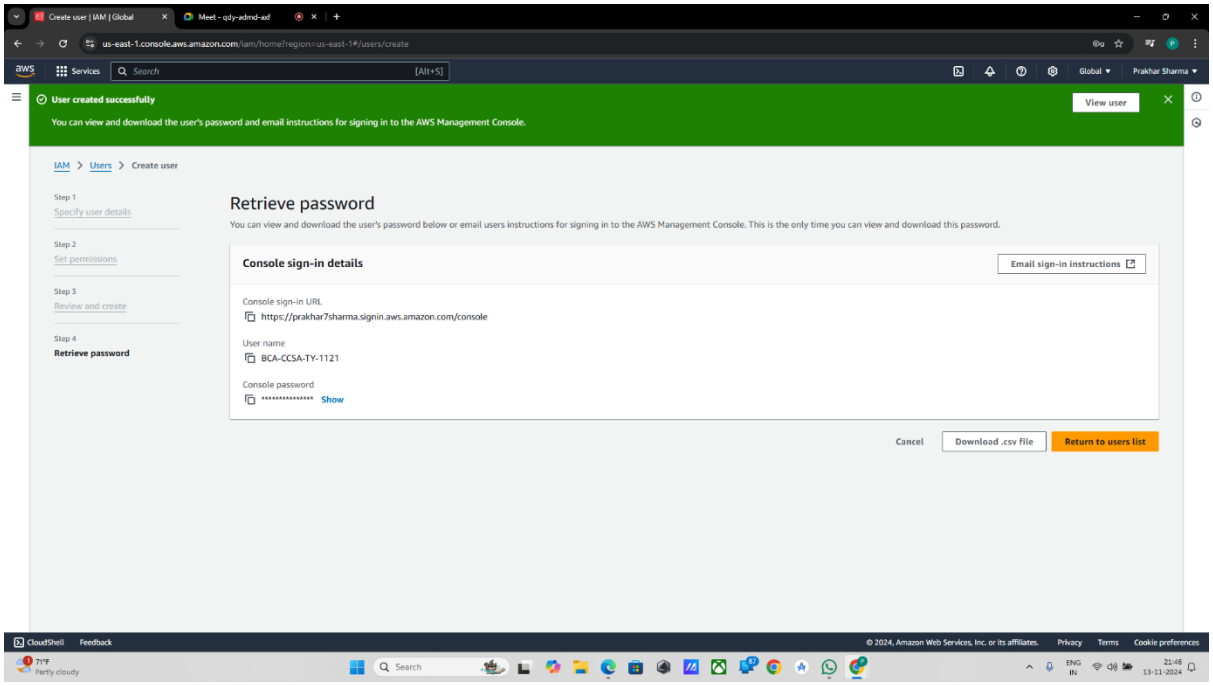
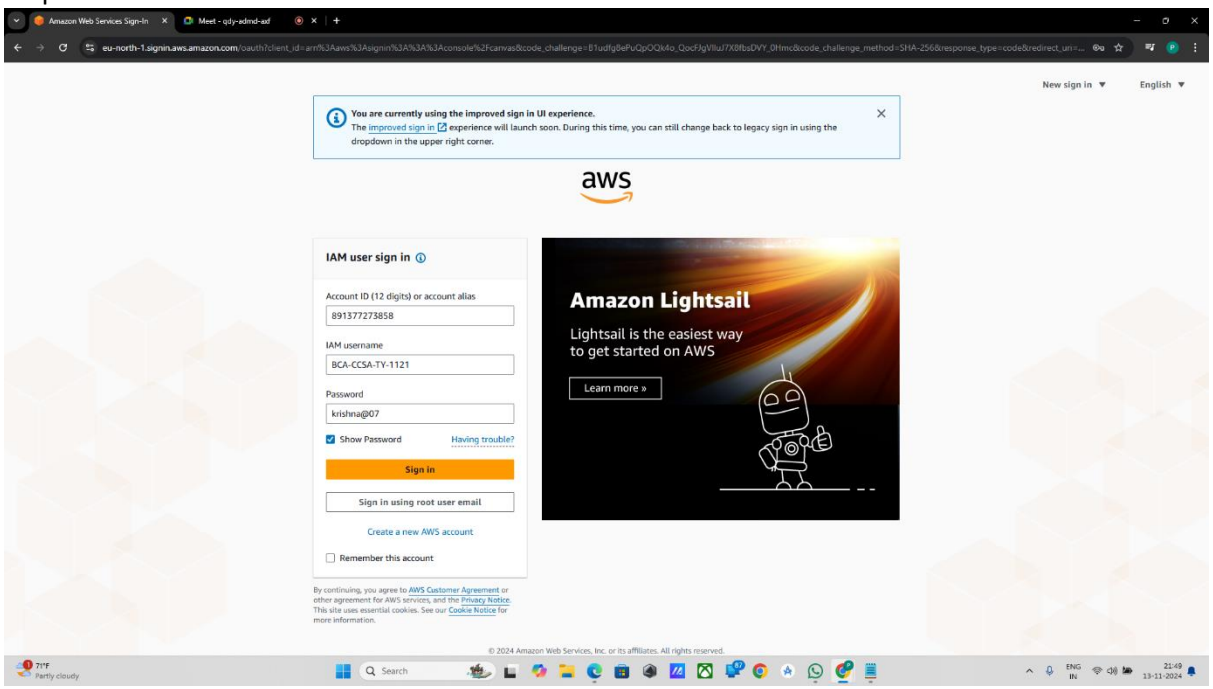


Step 6: Switch Role in the Utilizer Account



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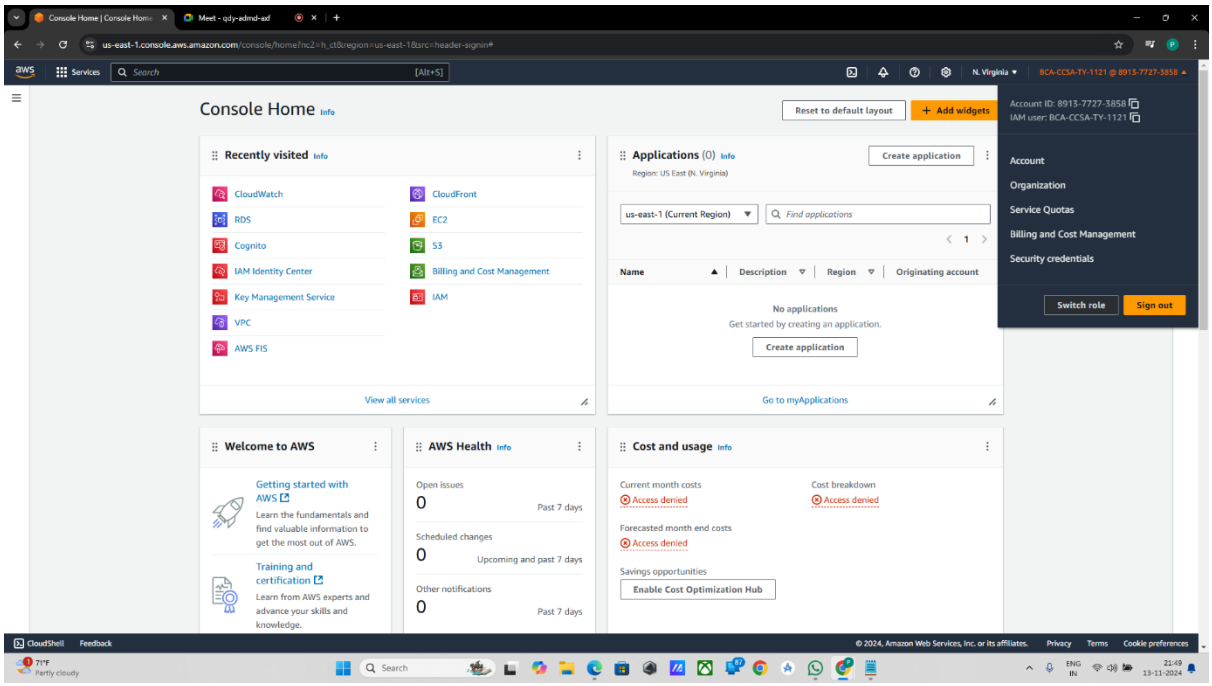
- Log in with the IAM user you just created in the Utilizer account.
- In the top-right corner, click on the Account Name.
- Click on Switch Role.



1. Enter the Provider Account ID and the Role Name (the one created in the Provider account).

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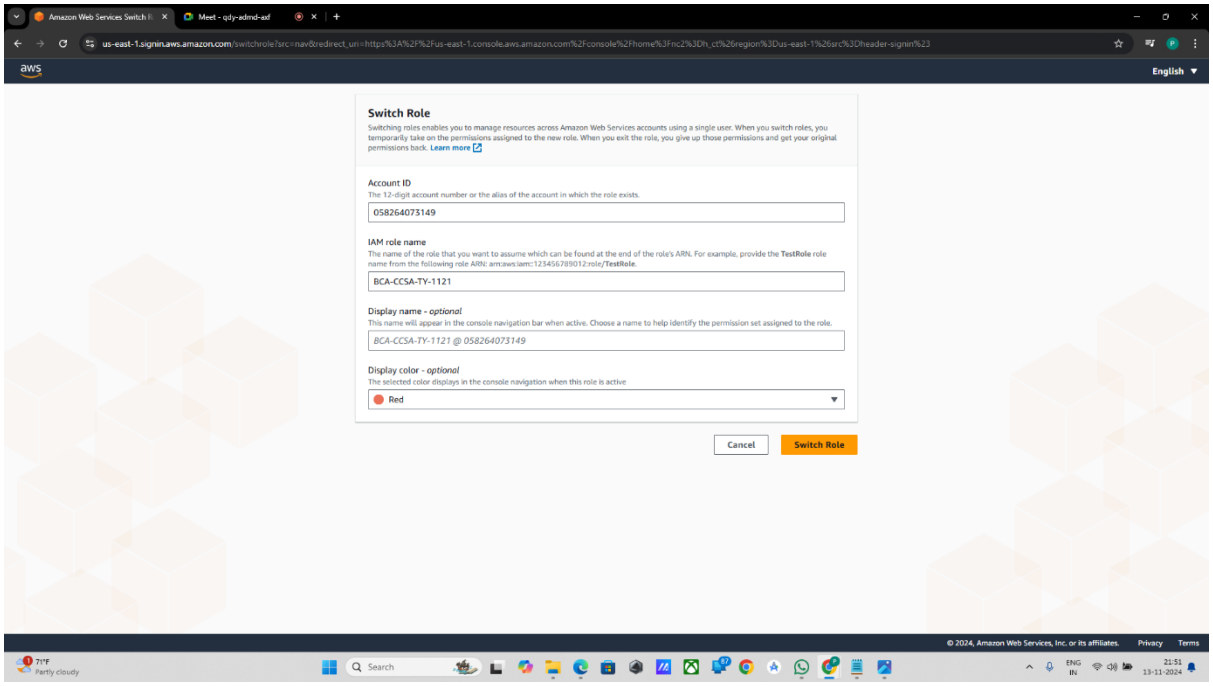
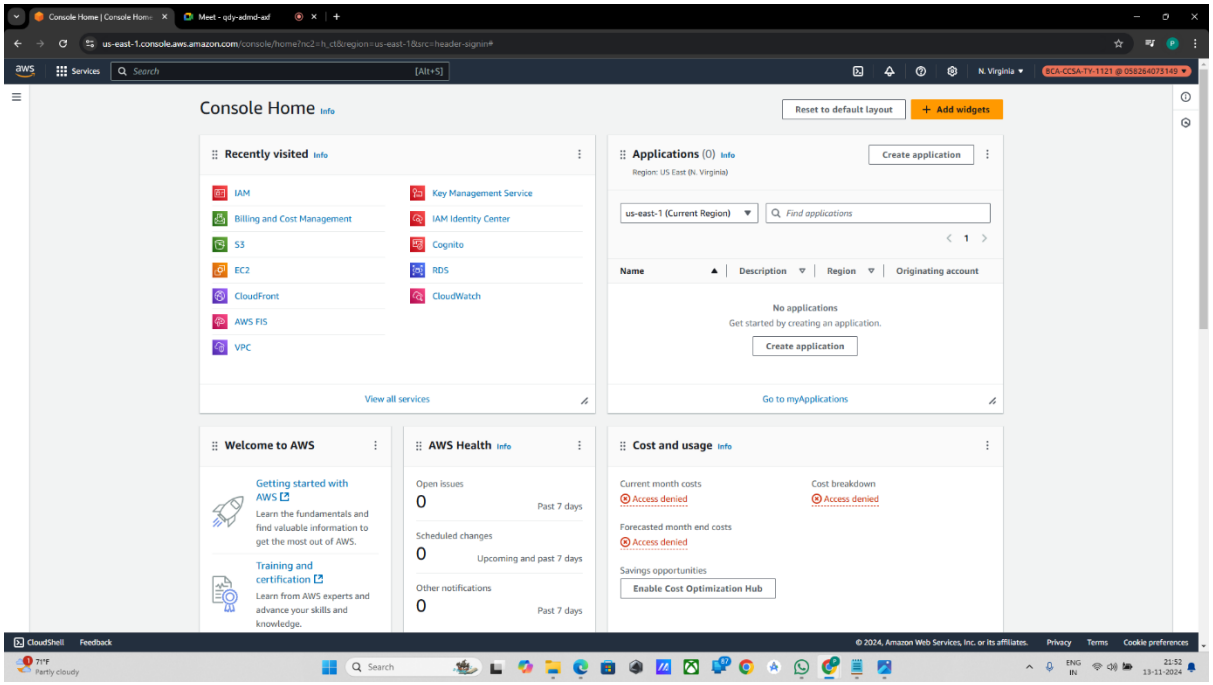
2. Enter a Display Name and choose a Display Color if desired.





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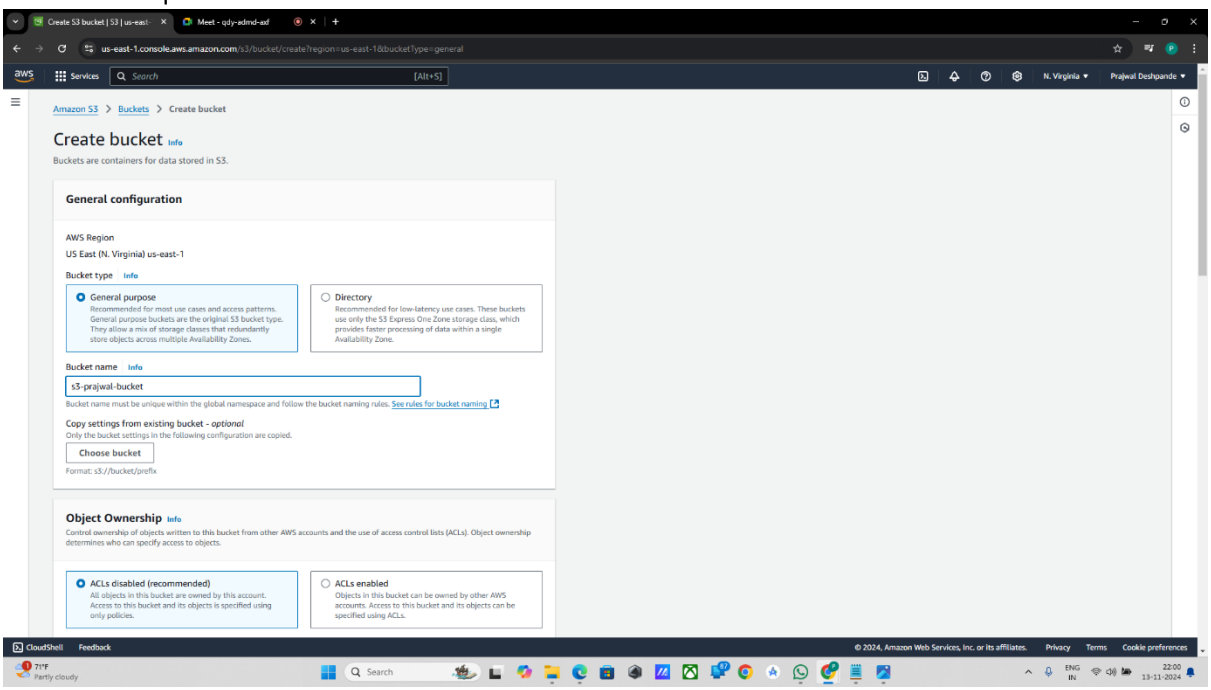
Step 7: Verify Access

1. To verify access, create an S3 bucket in the Provider account.

o Enter a unique name for the bucket.



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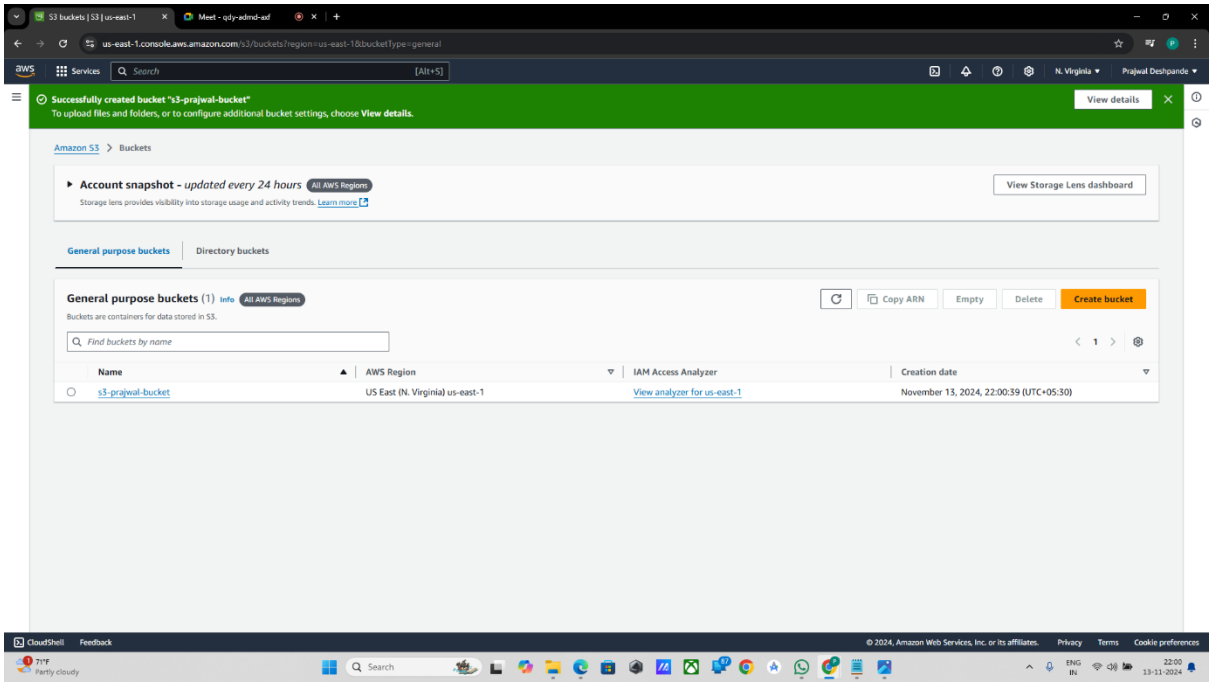

Now, to verify if cross-account access works, return to the Utilizer account IAM user and navigate to the S3 service to check the bucket you just created.

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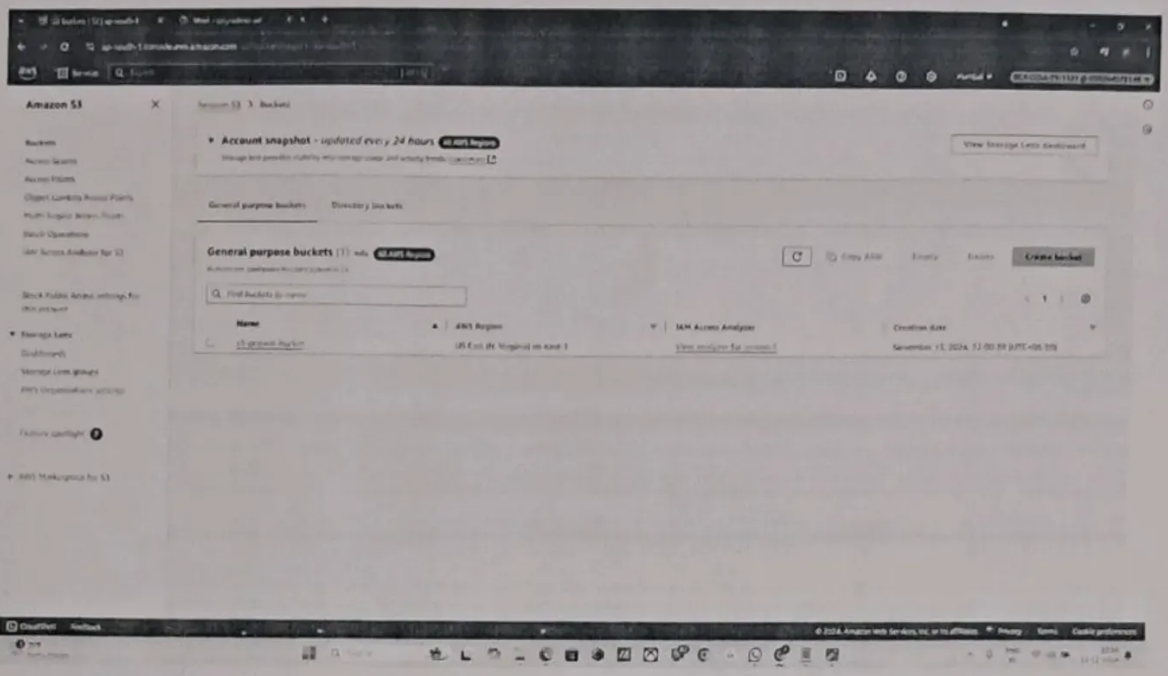

You can see We are able to see the bucket which we created at Providers Account.

28/11/24