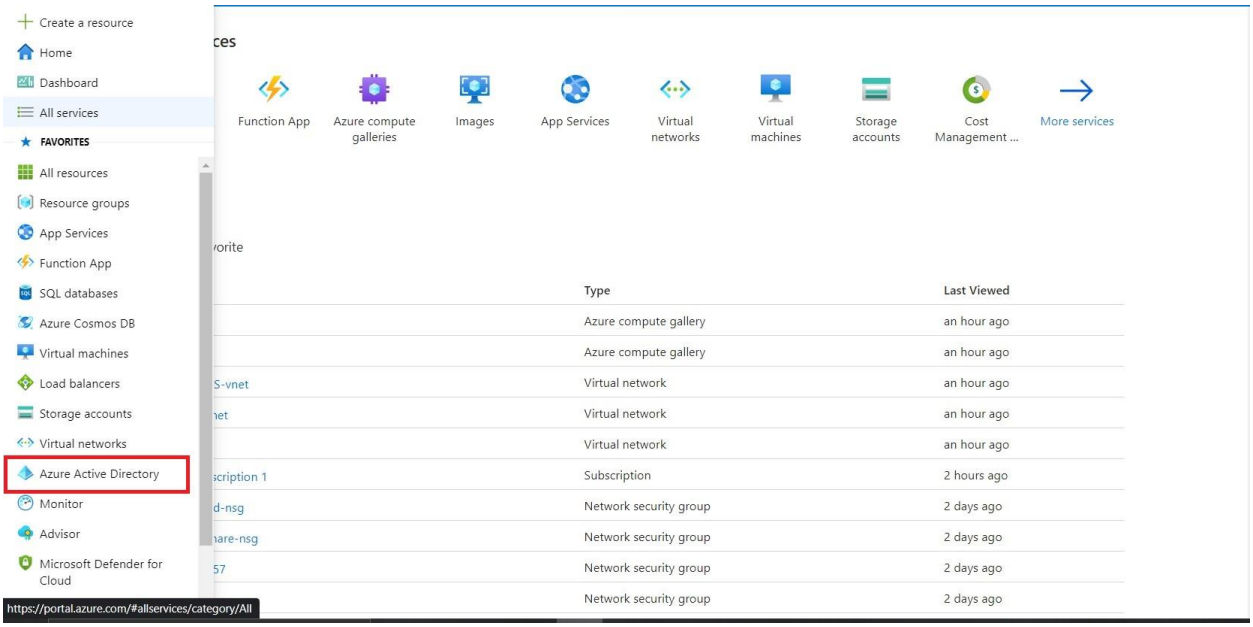
😊 Azure Active Directory (AD) Authentication

"Azure Active Directory (Azure AD) is a cloud-based identity and access management service that allows the users to access the resources. Azure AD provides different benefits, based on their roles, to the users"

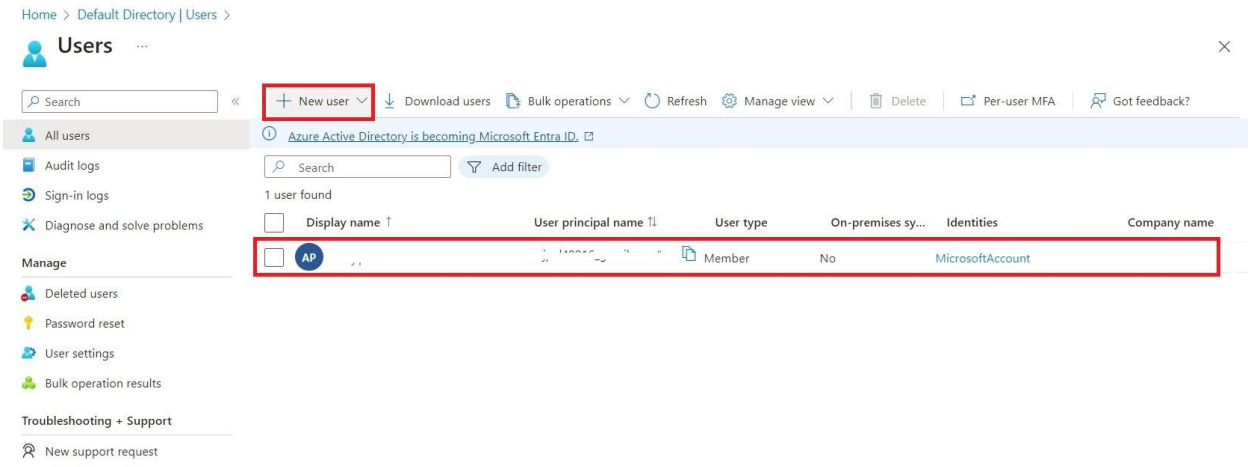
Login to Azure Portal, for this lab you must have a Storage Account and container including temporary files in it.

🤓 **Step 1:** See for the all Menus on the Left-hand side Pane.

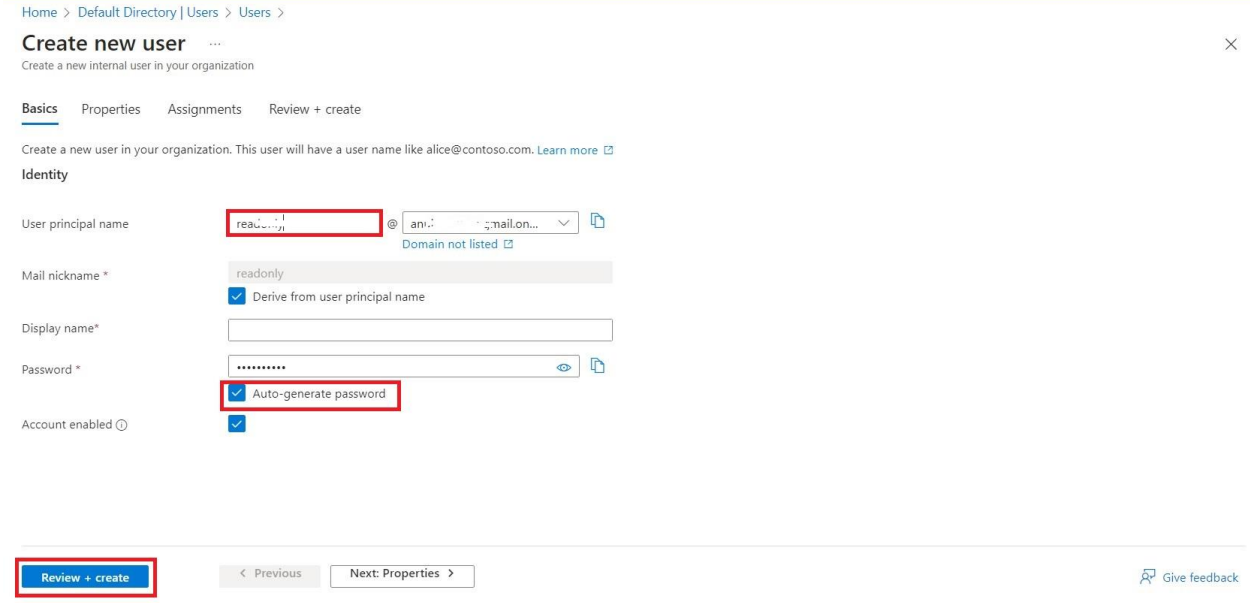
- Click on Azure Active Directory.



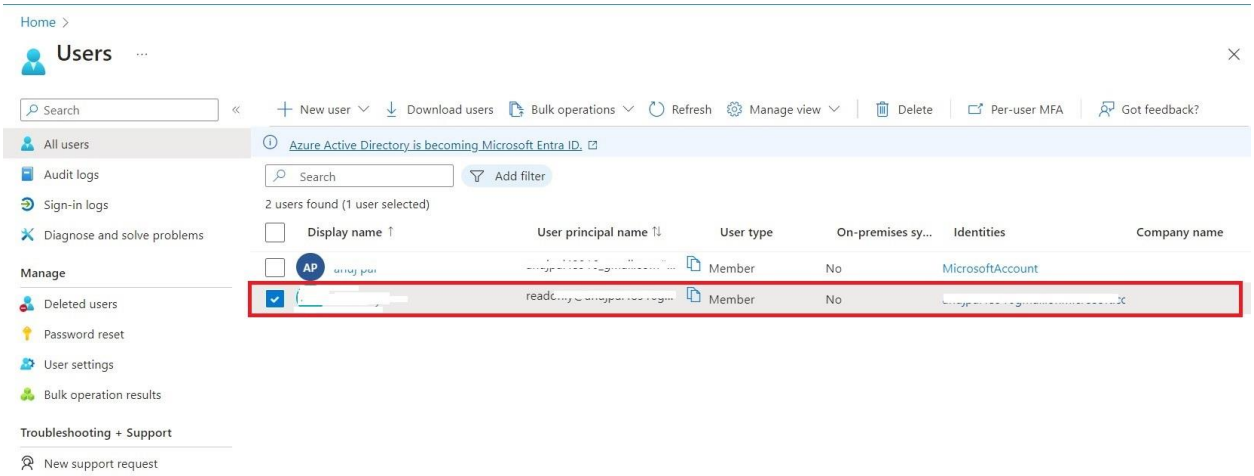
🤓 **Step 2:** On the Azure Directory Page, you can see the Users on your Account. Click on Create New user and Create a New Demo User.



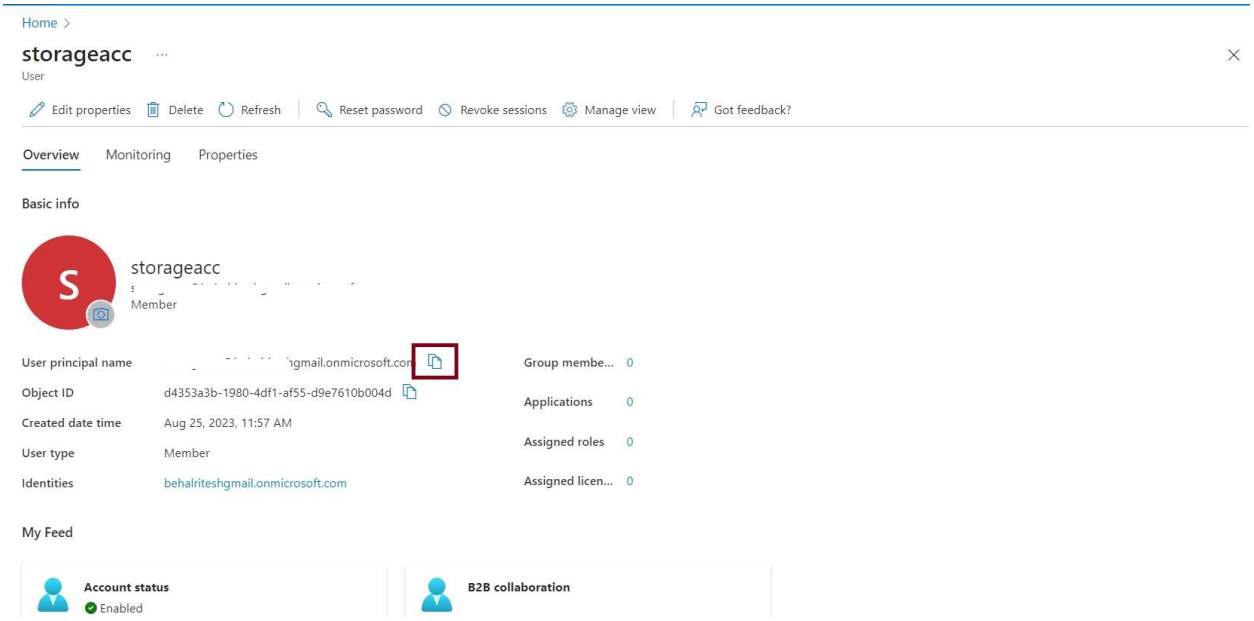
- Enter the Name for your New User, Uncheck Auto-Generated password and enter the custom password. Click on Review + Create.



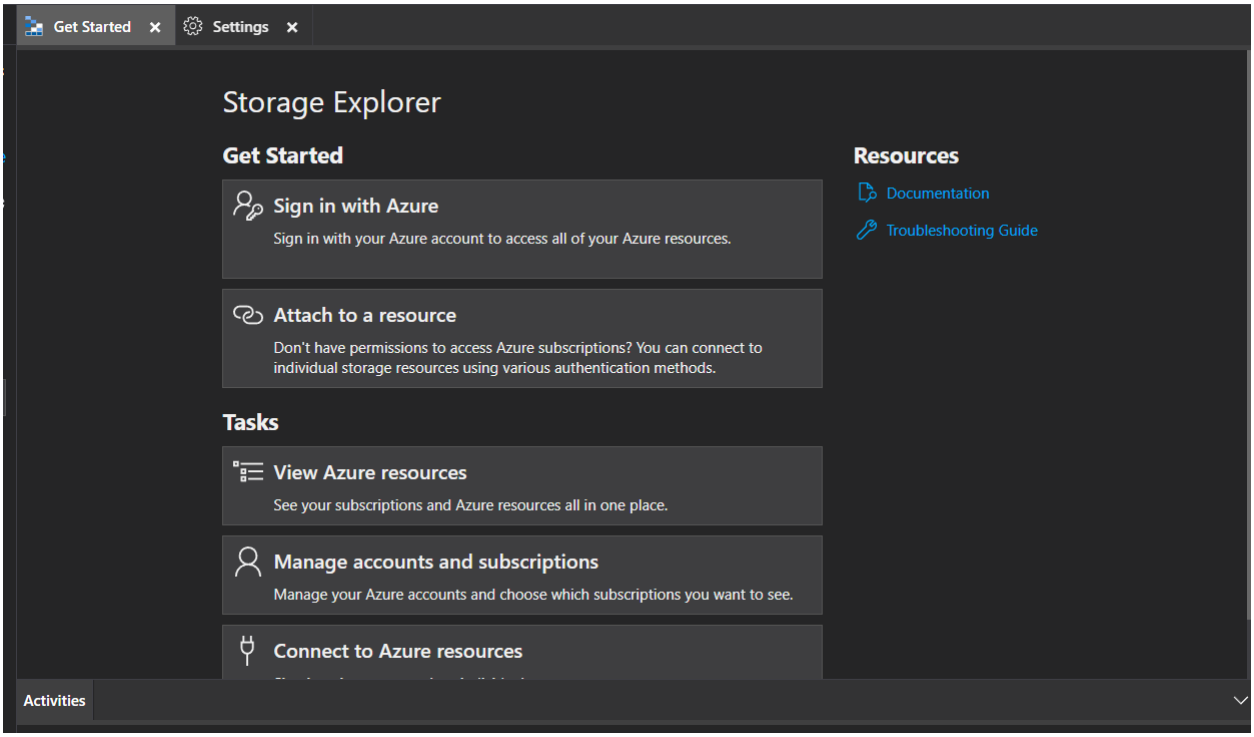
- After Successful Creation of the new user, you can see the newly created user on the Users Page.



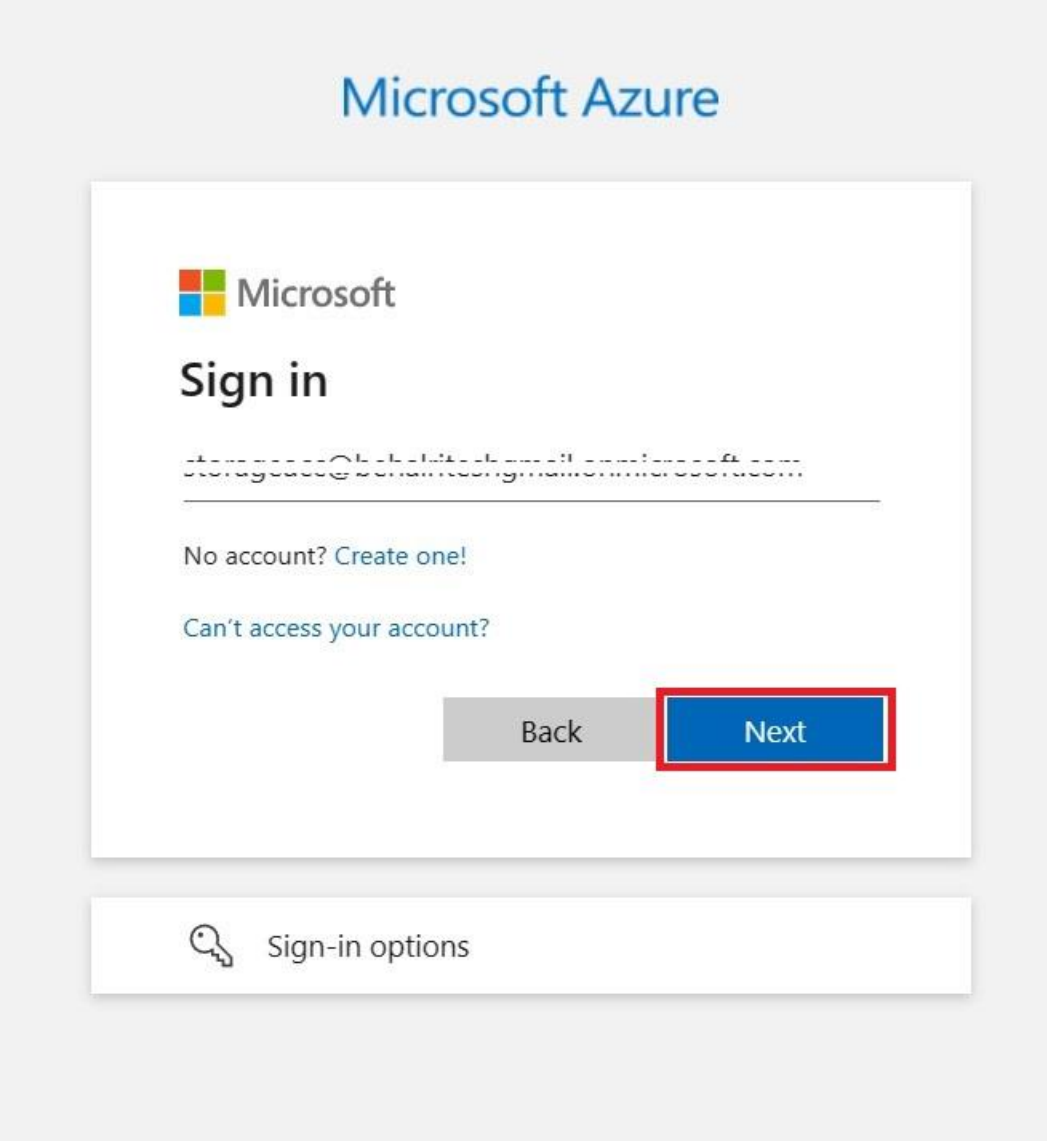
Step 3: Click on the recent Created User and copy User principal Name.



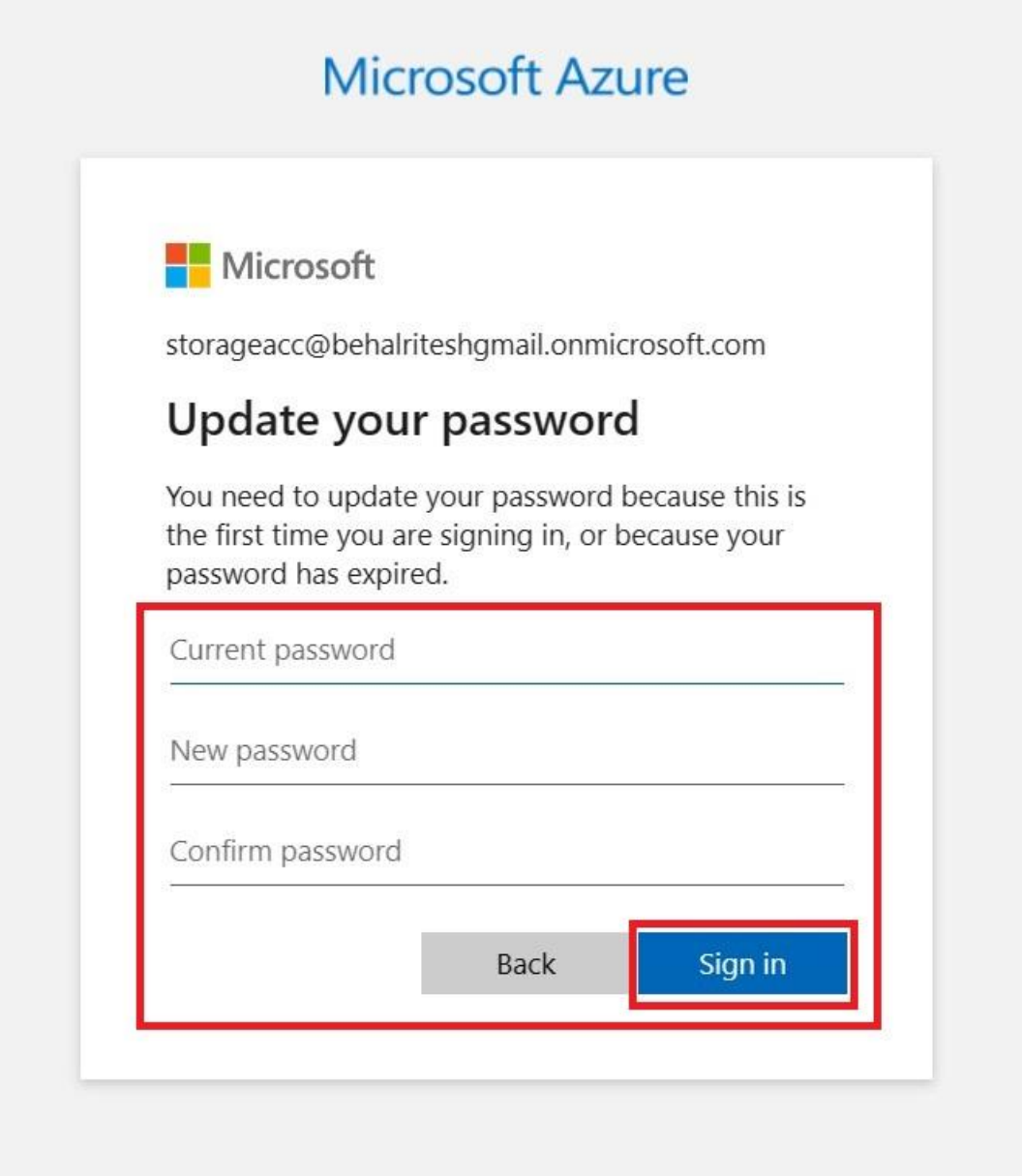
Step 4: Open the Azure Storage Explorer and Click on Sign in with Azure.



- You will be redirected to the Azure Sign in Page on your Browser.
- Paste the copied UserID and Click on Next.
- Enter the Password given by you while creating the user & Sign in.



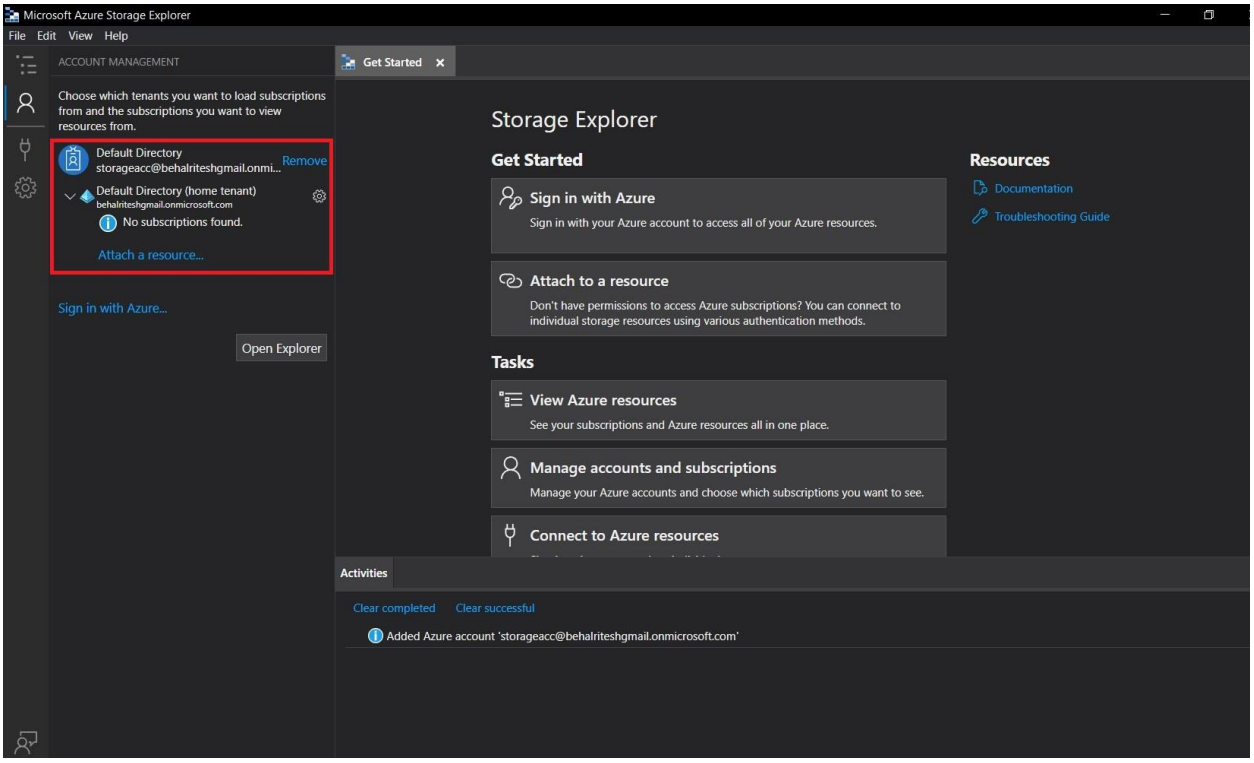
- After Signing in a New User Account, Azure asks you to Change the Password.
- Enter the Current & New Password and click on Sign in.



- It will take a few minutes to Authenticate.

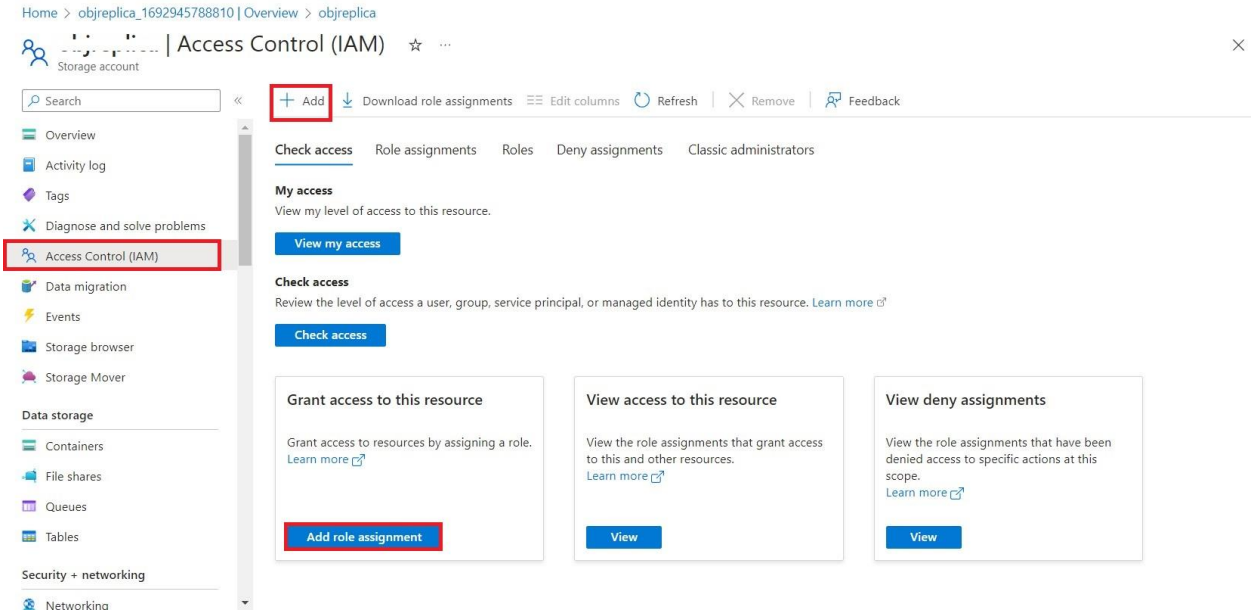
Step 5: After the authentication, Come back to your Storage Explorer. You have Successfully Signed in with your user account.

- Till now you can see there is no subscription found.
- We have to assign the roles to get the information fetched to our Storage Explorer.



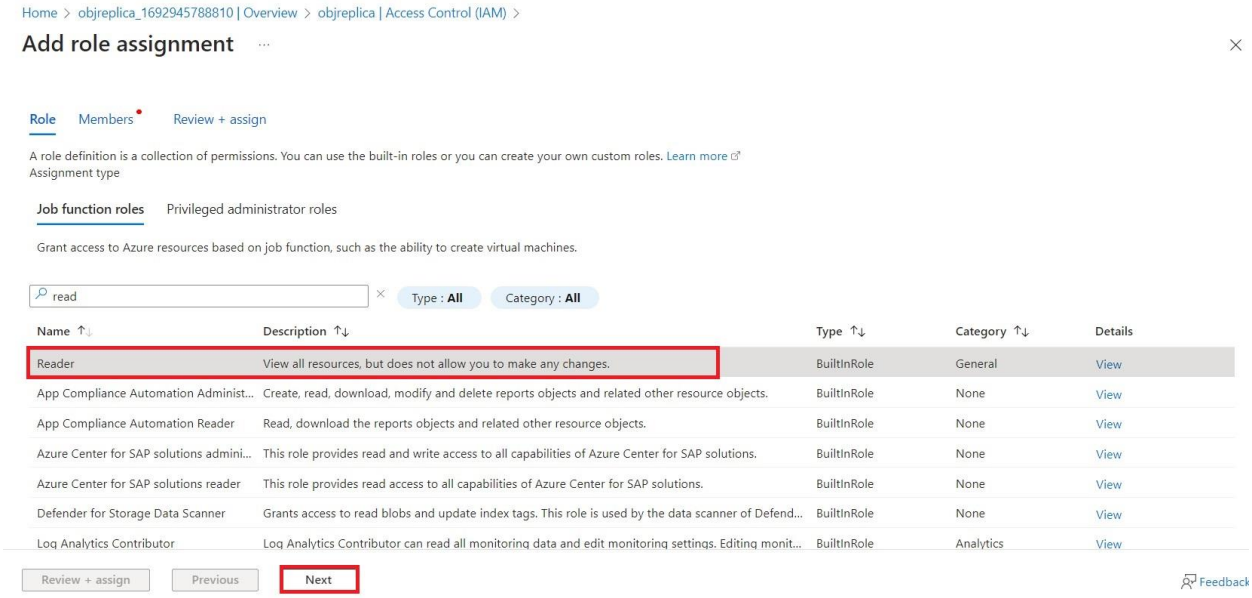
Step 6: In azure Portal, Go to your Storage Account. On the left Side pane Click on access control.

- Click on Add or Add role assignment.

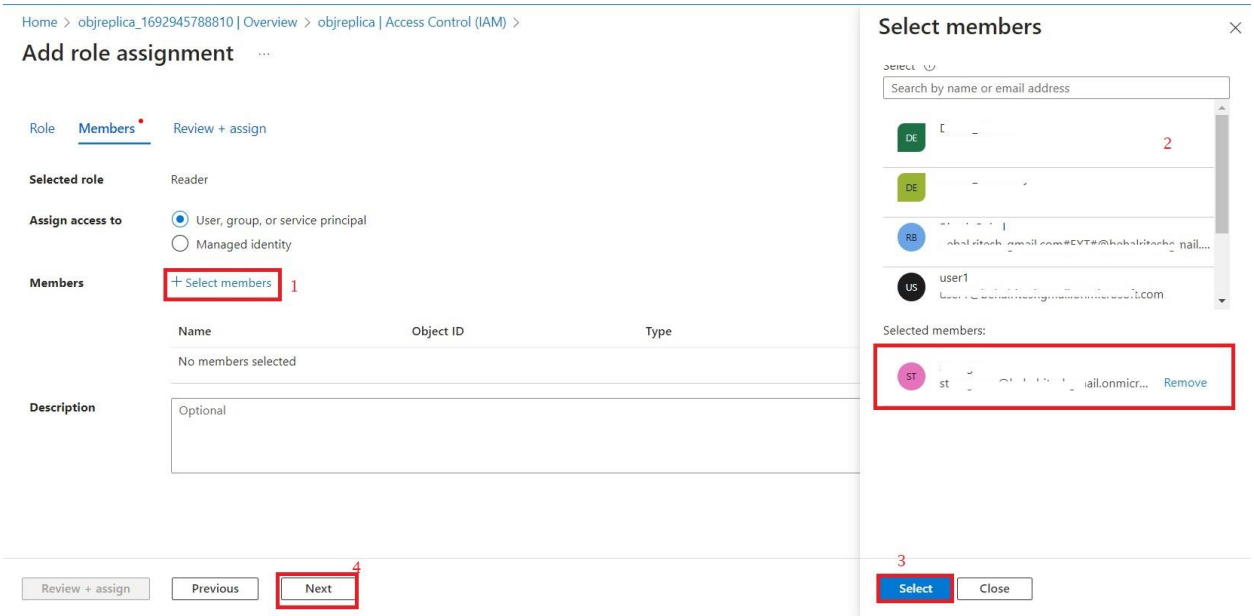


You have a different role Available for your Storage Account.

- Select for the Reader role and Click on Next.

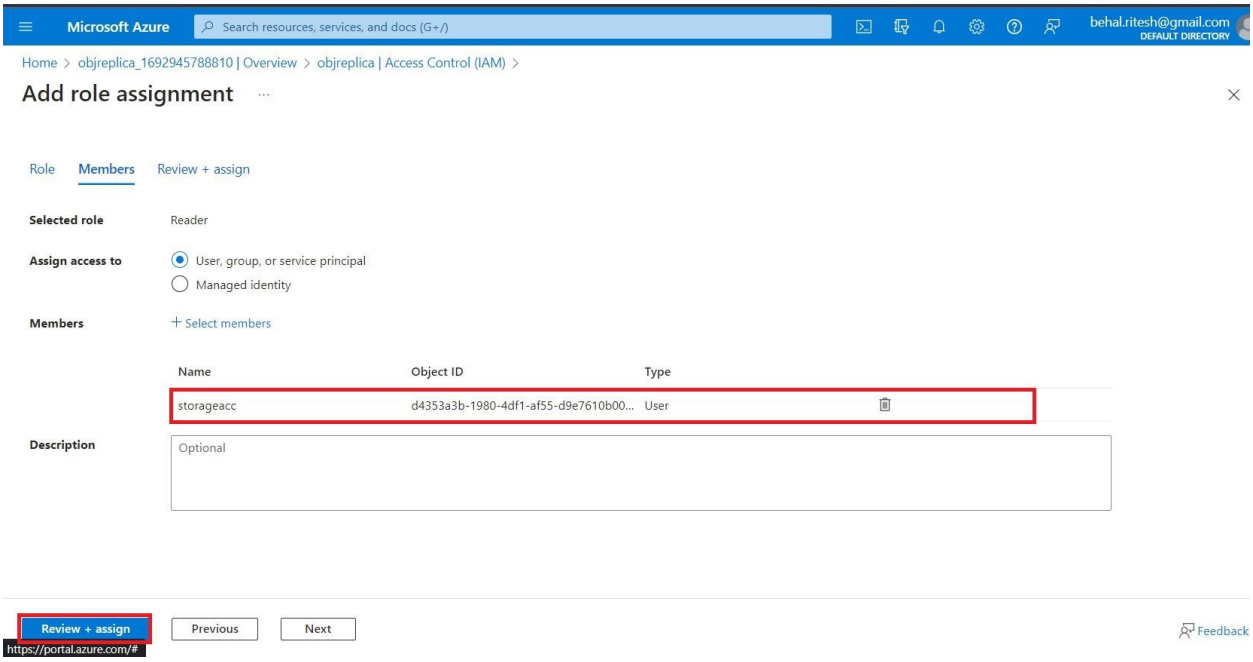


- Select Member in which account you have to assign the selected roles.

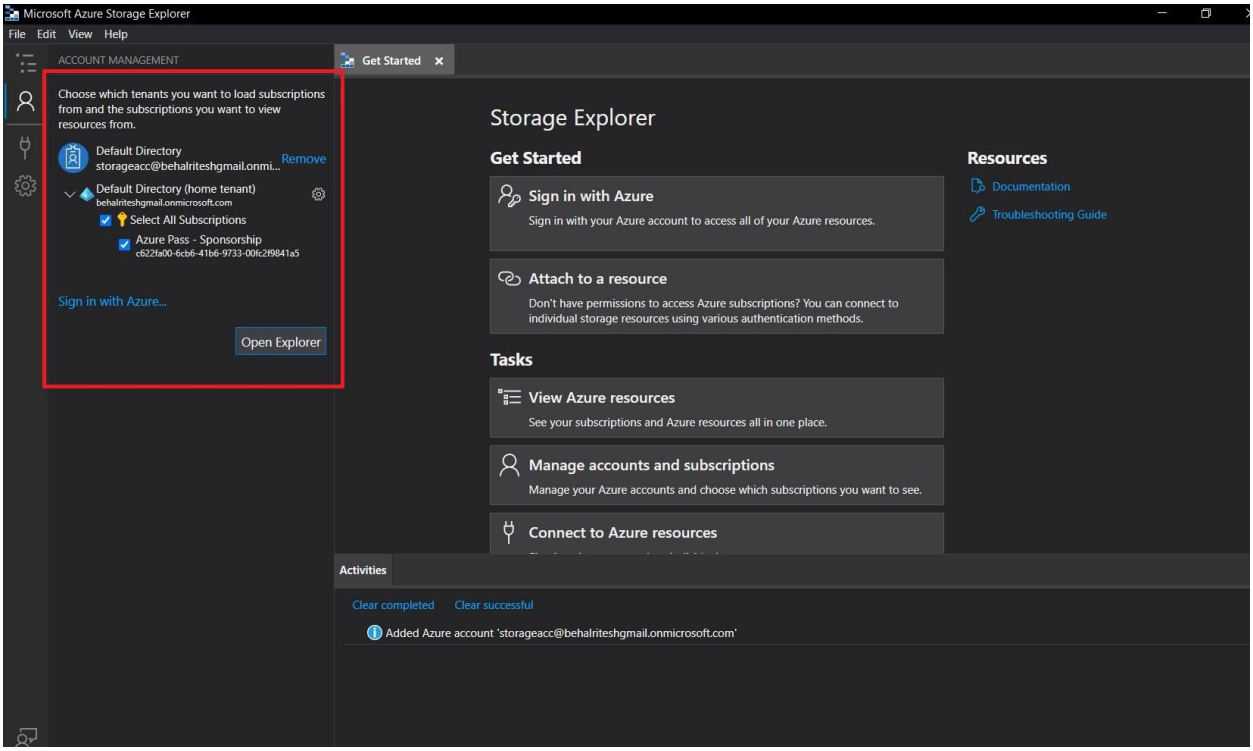


- After Selecting the member has been added. Click on Review + Assign.

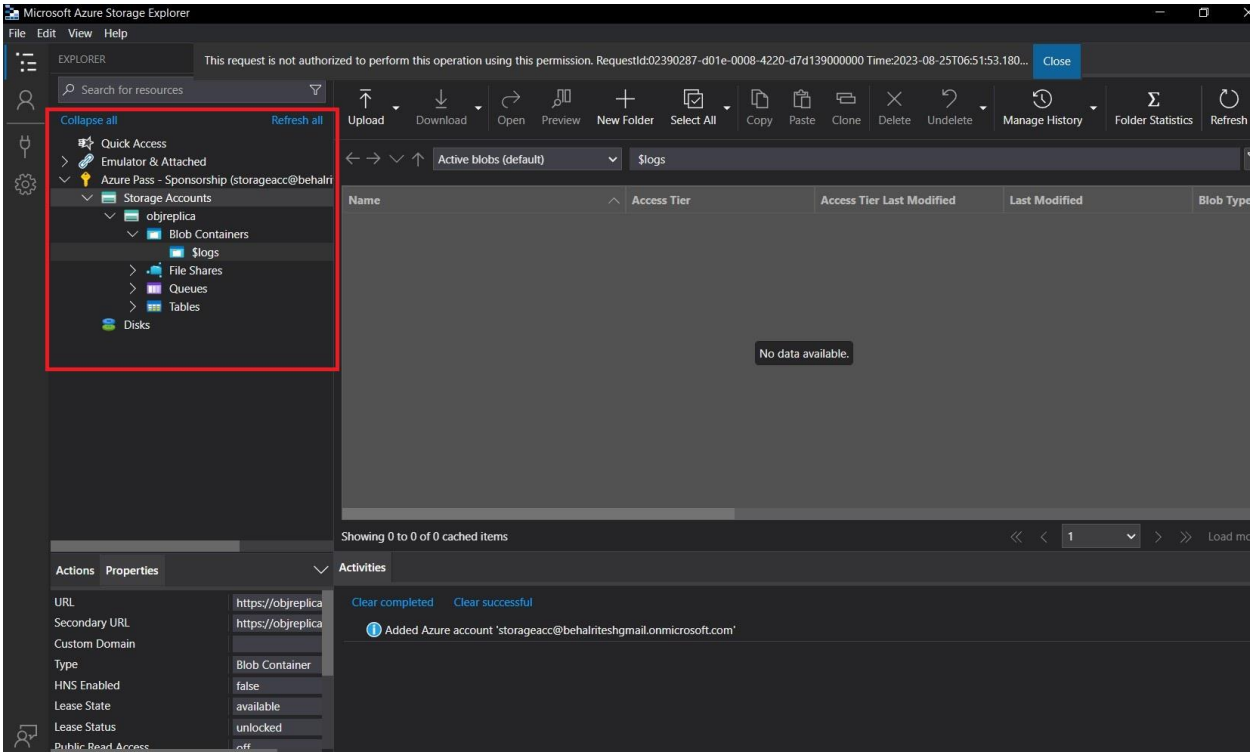
In a few minutes the role will be assigned to the user.



- Refresh the storage explorer and you can see now the subscriptions are shown below User.

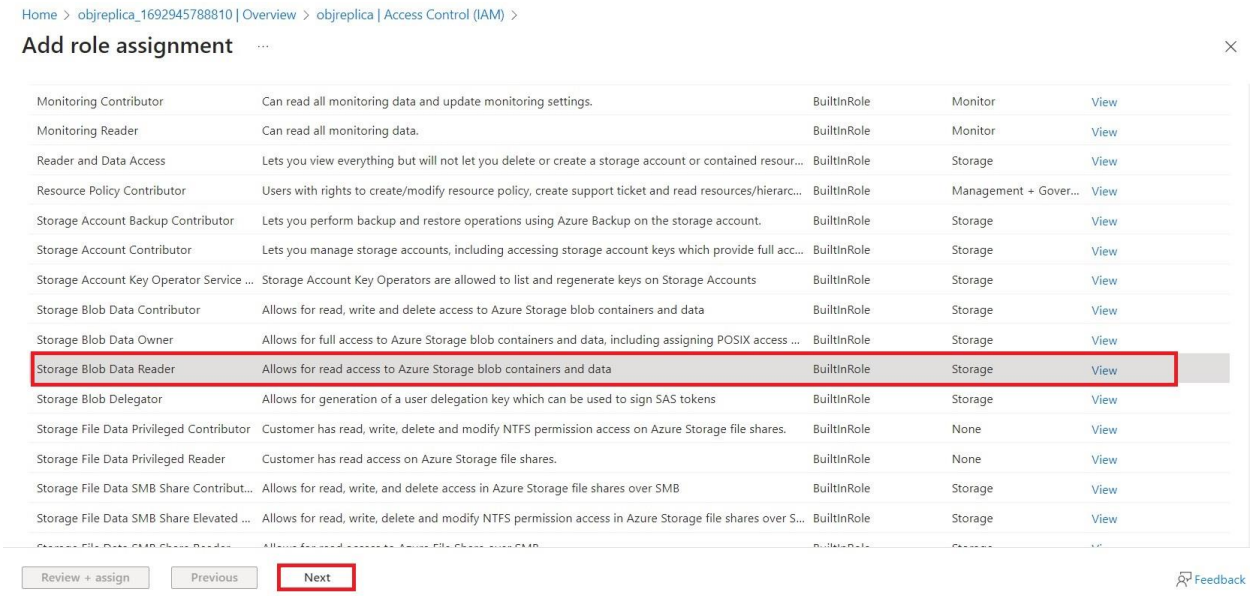


- As we assigned the “Reader”role to our storage account.the only storage account services and subscription will be visible to us.



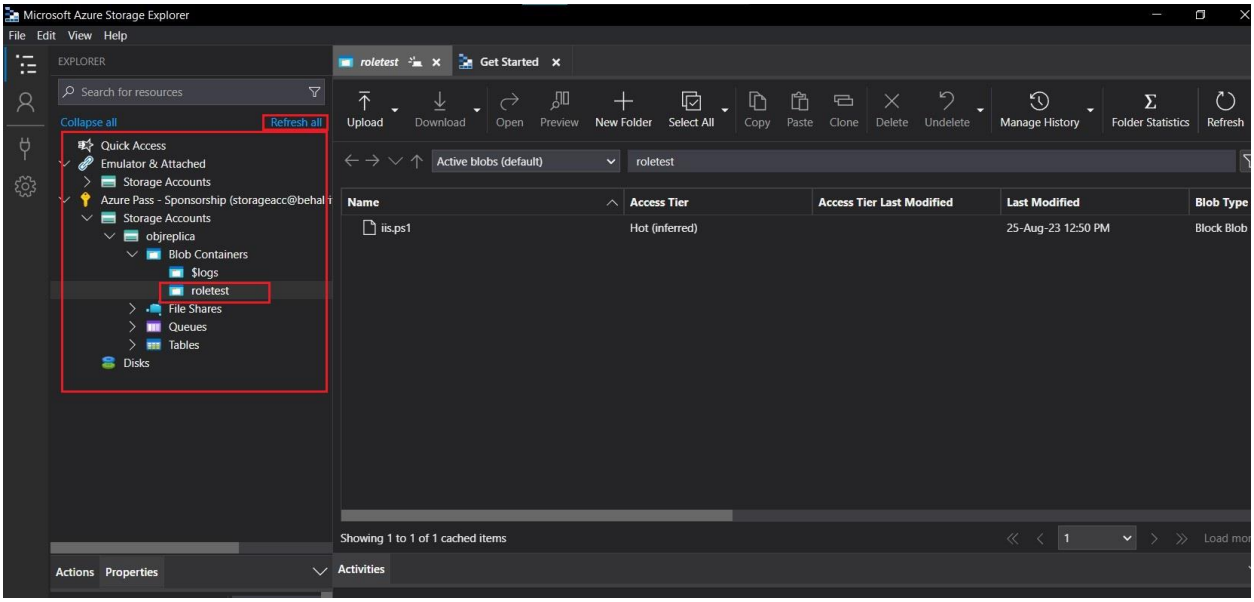
🤓 **Step 7:** To view our data stored in containers we have to assign the “Storage Blob Data Reader” role to our User.

- Go back to Storage Account Control, Select & assign the role as shown below.



Step 8: On your storage explorer, Refresh the Page and dropdown the Storage account and Blob Container.

- The data stored on your Container is visible now.



- You can also add several permissions to your user as per need and security purpose.

Step 9: Remove the role assigned by you when not in use.