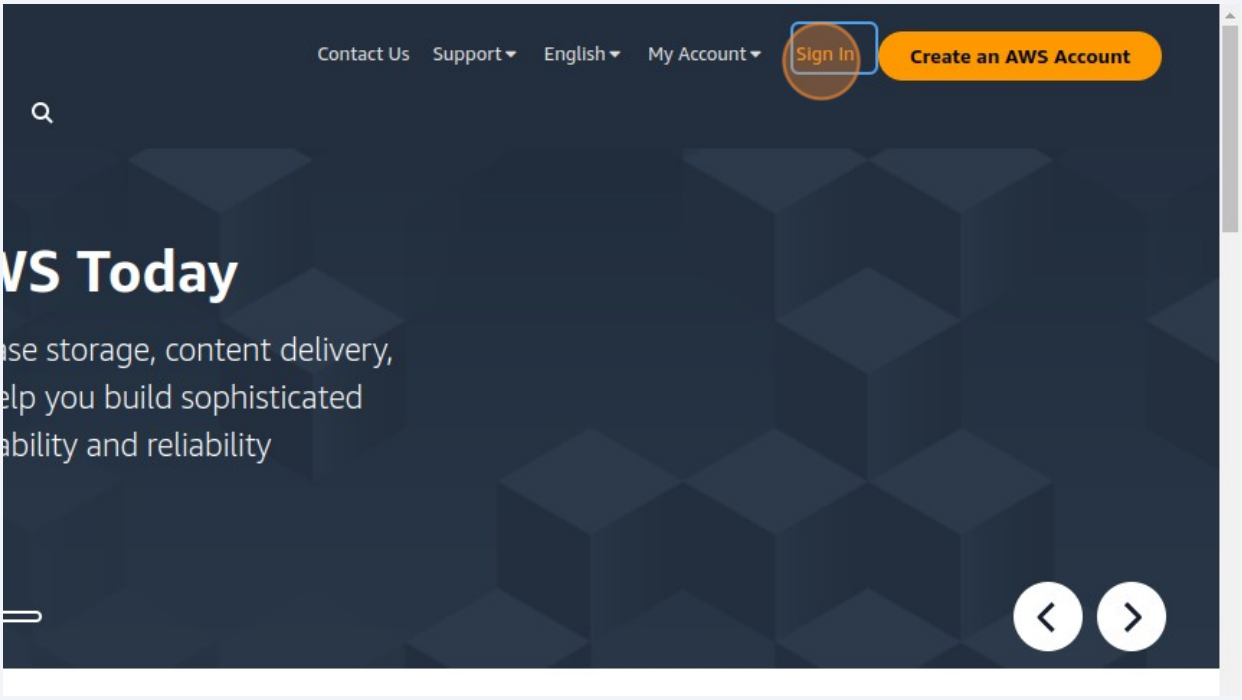
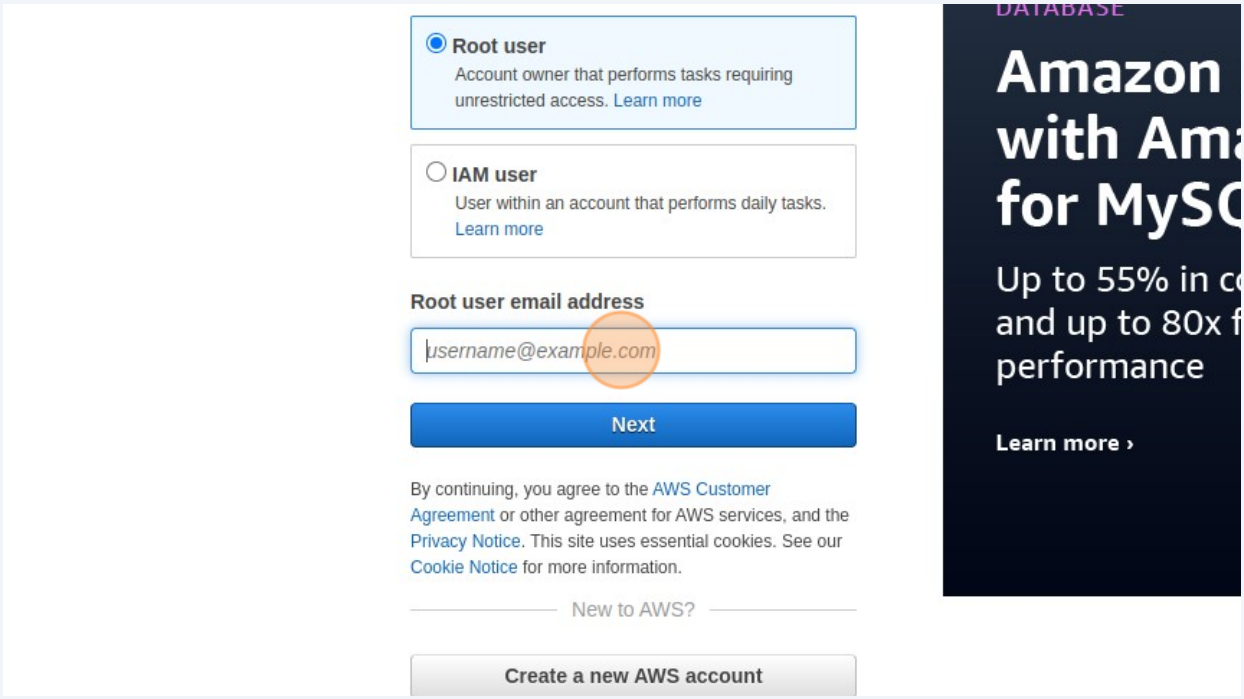
Step-by-Step Guide: Creating an IAM User and Granting Permissions and Creating UersGroup

1 Navigate to https://aws.amazon.com/

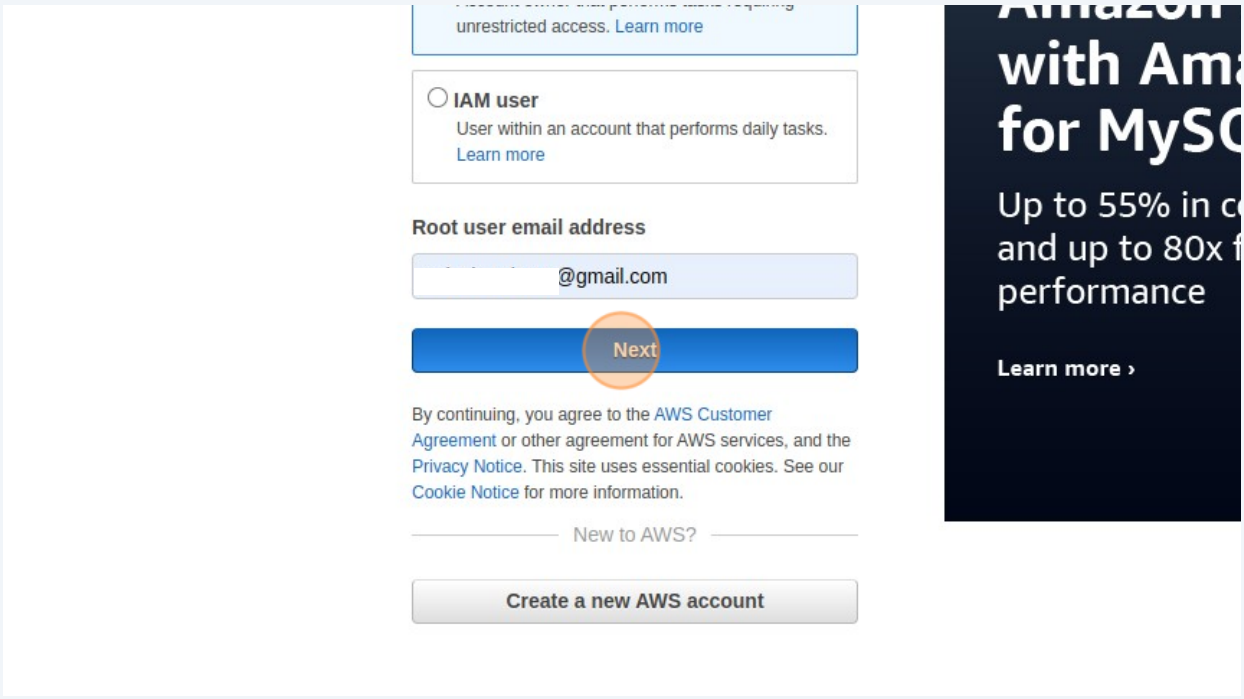
2 Click "Sign In"



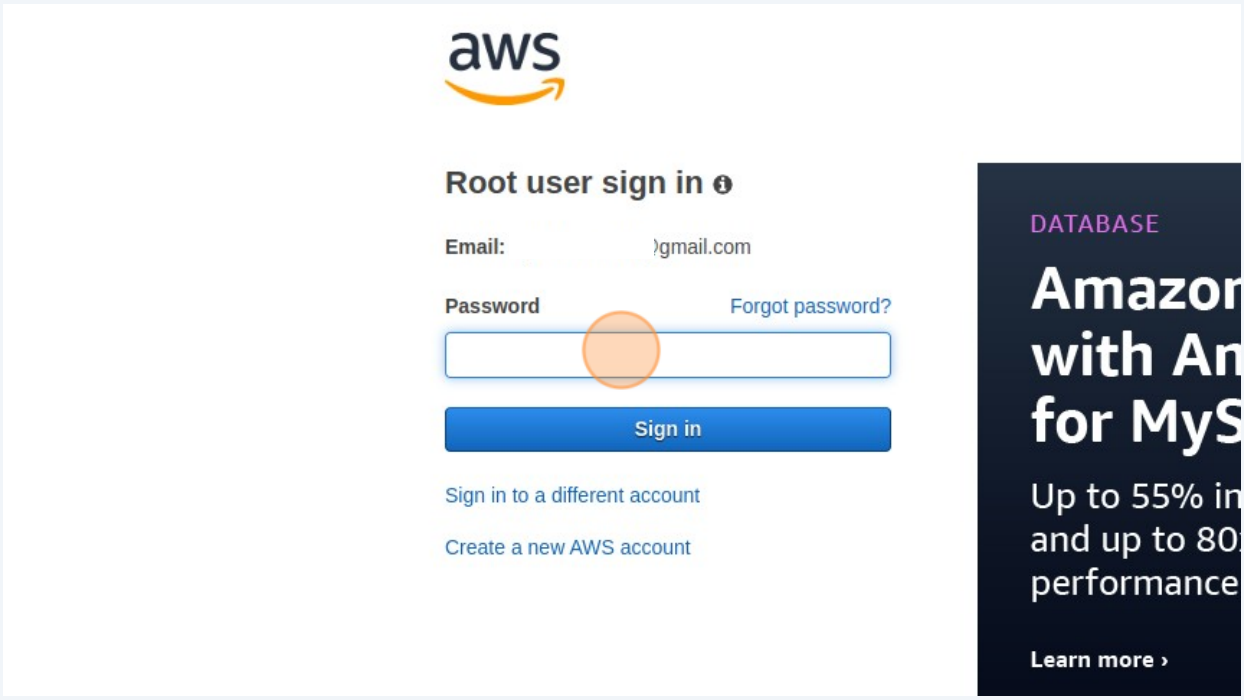
3 Enter your root email id



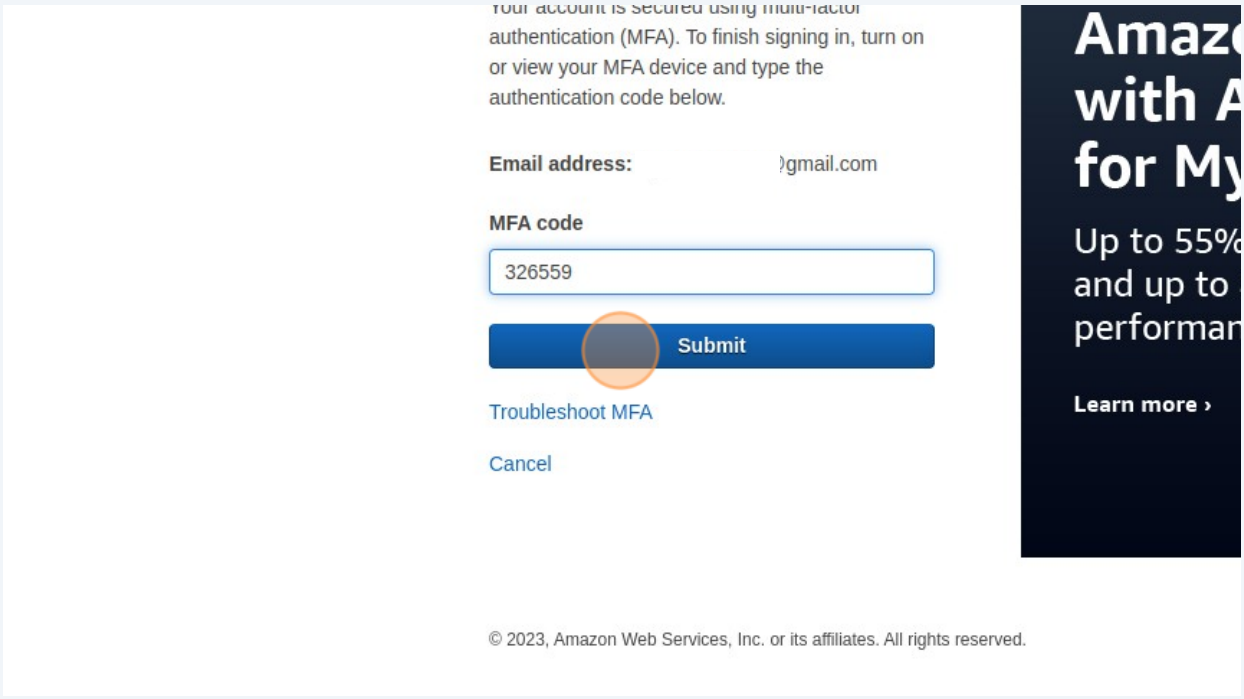
4 Click "Next"



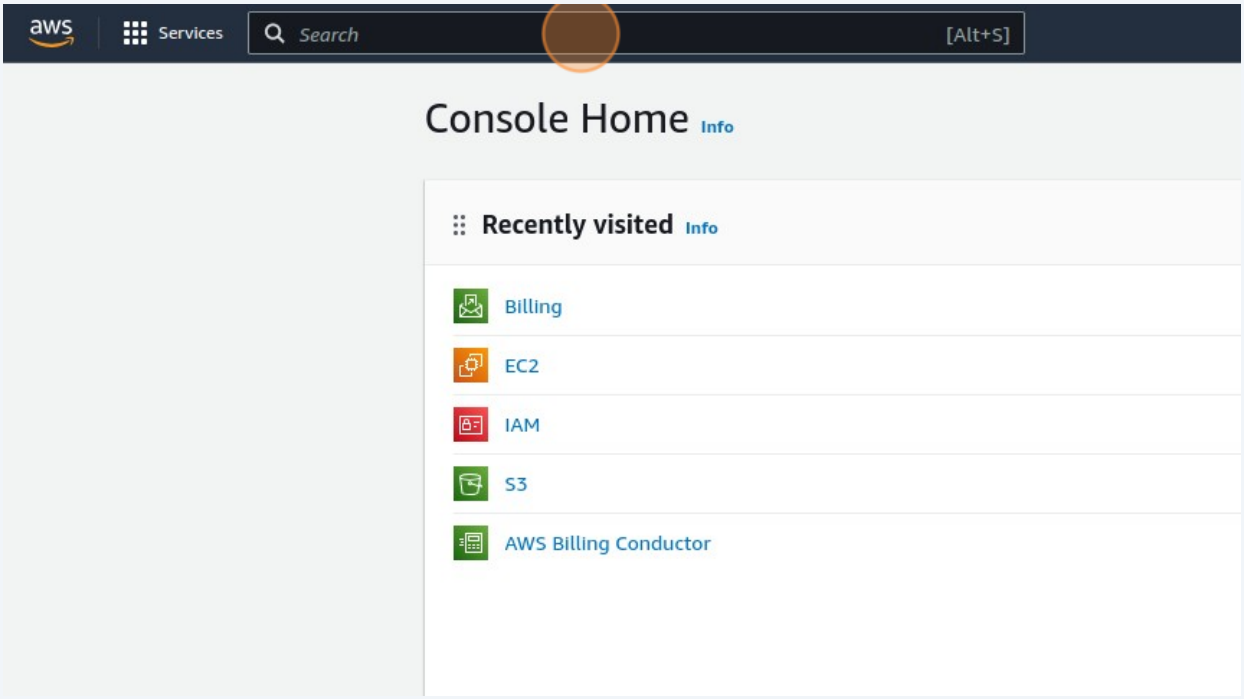
5 Click this password field and enter your password



6 Enter you MFA Code and Click "Submit"

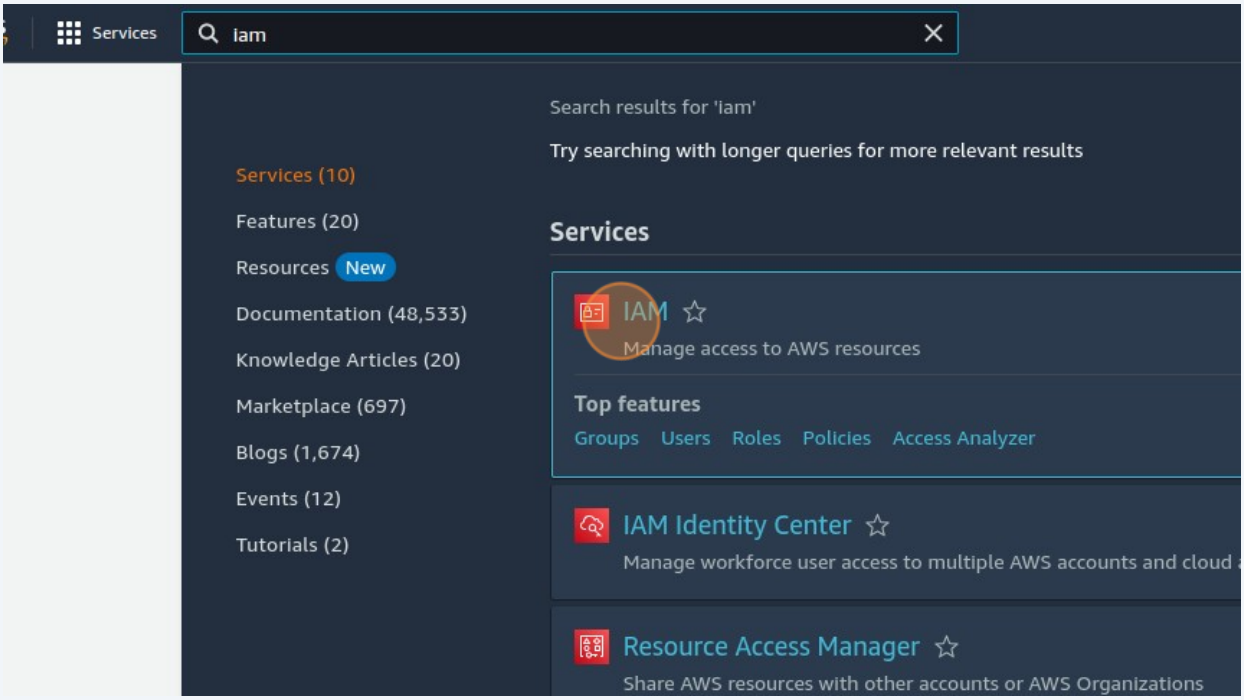


7 Click the "Search" field.

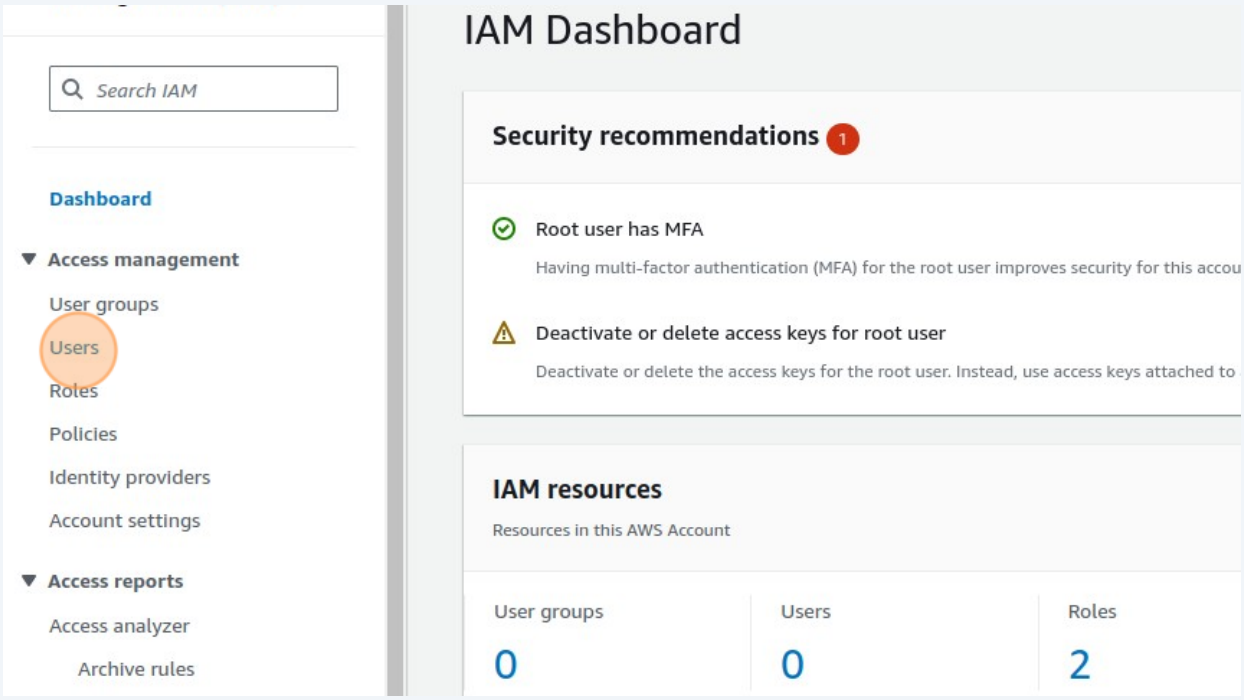


8 Type "iam"

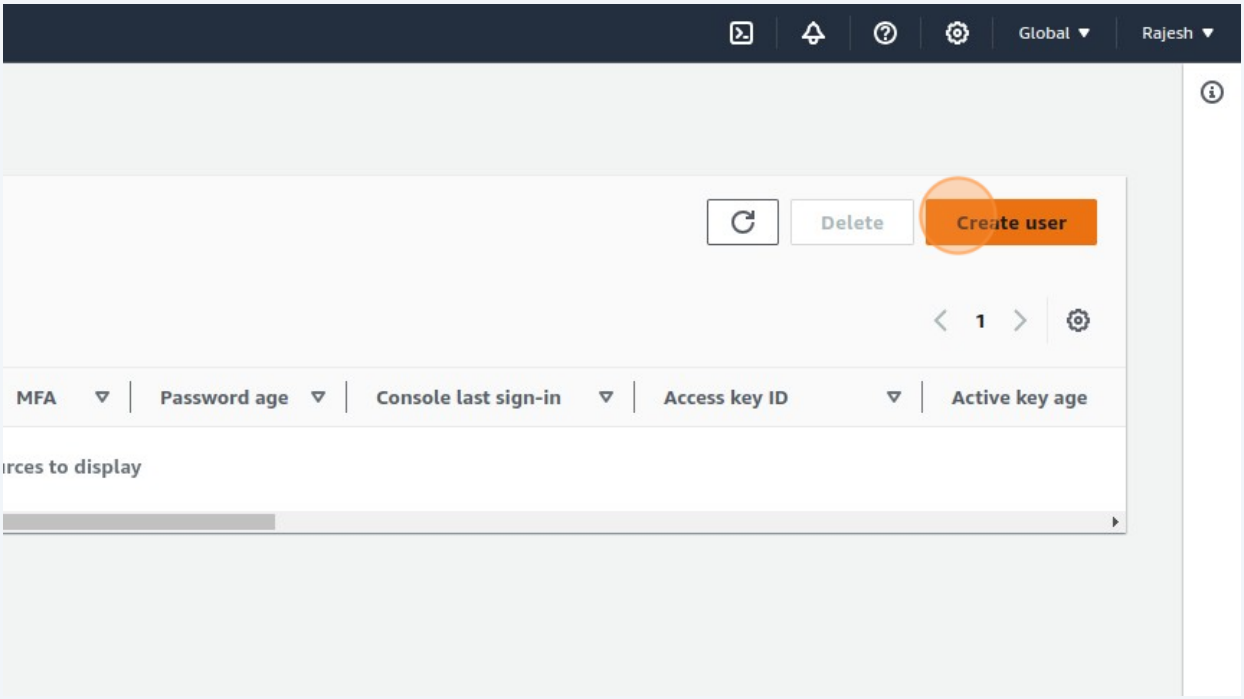
9 Click "IAM"



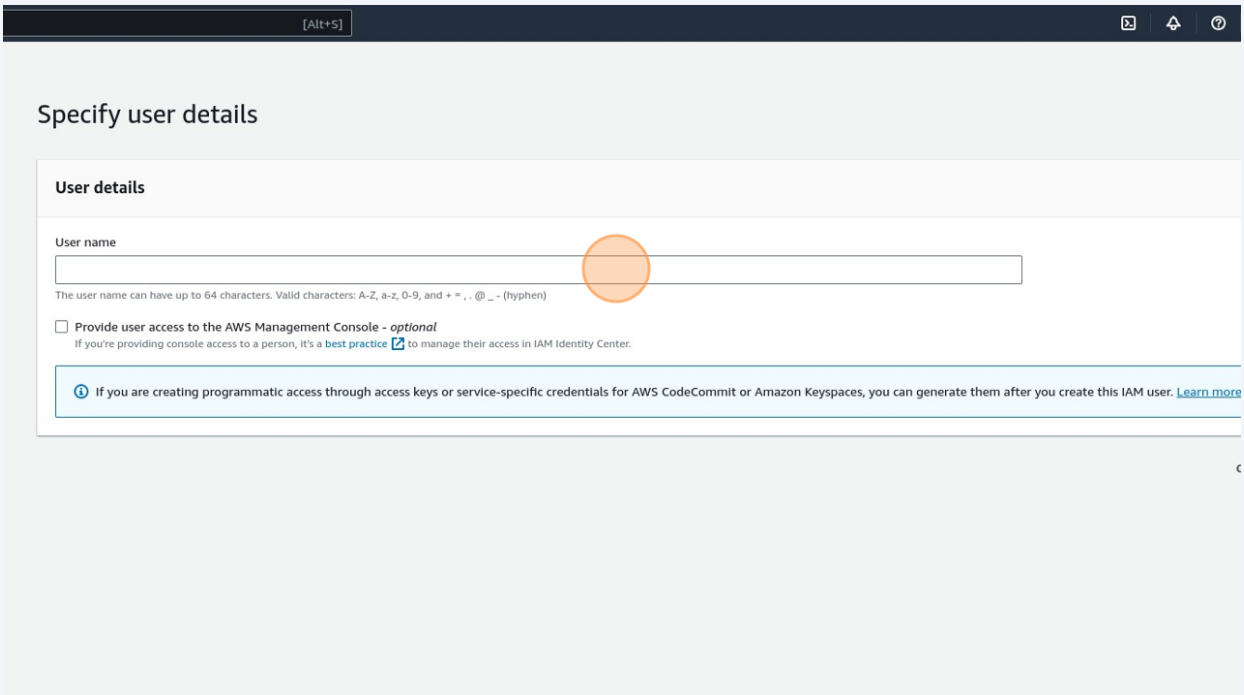
10 Click "Users"



11 Click "Create user"

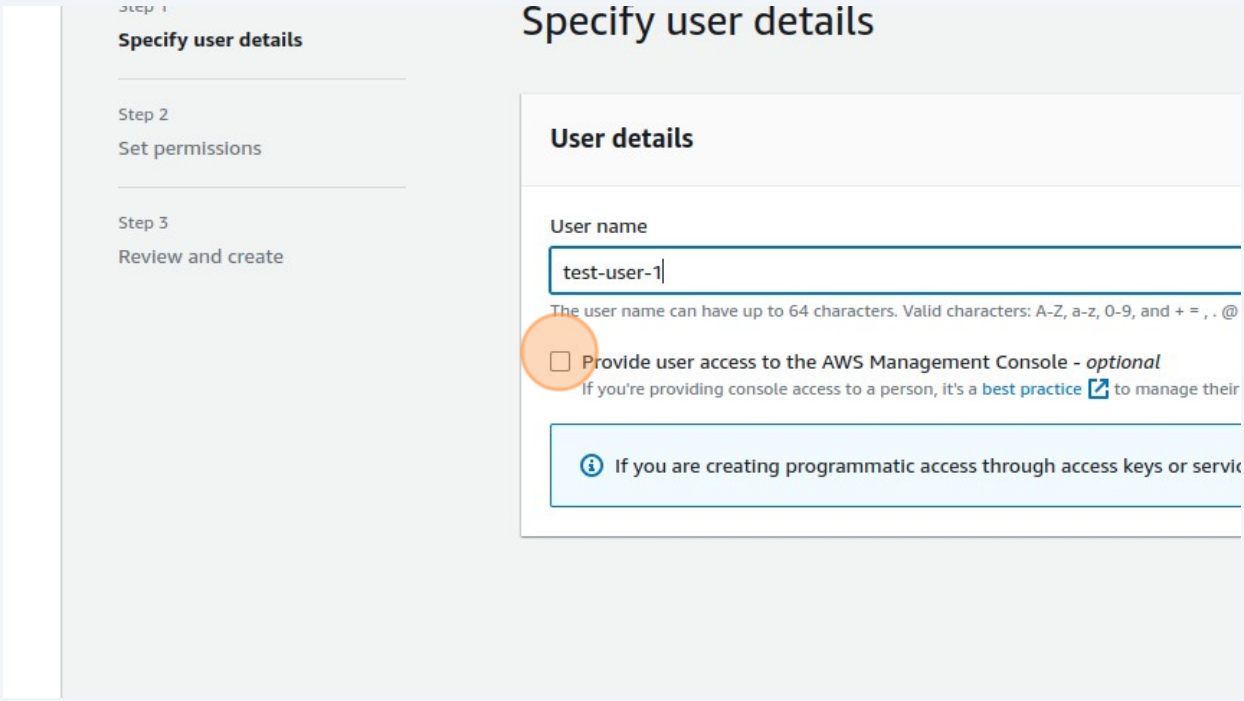


12 Click the "User name" field.

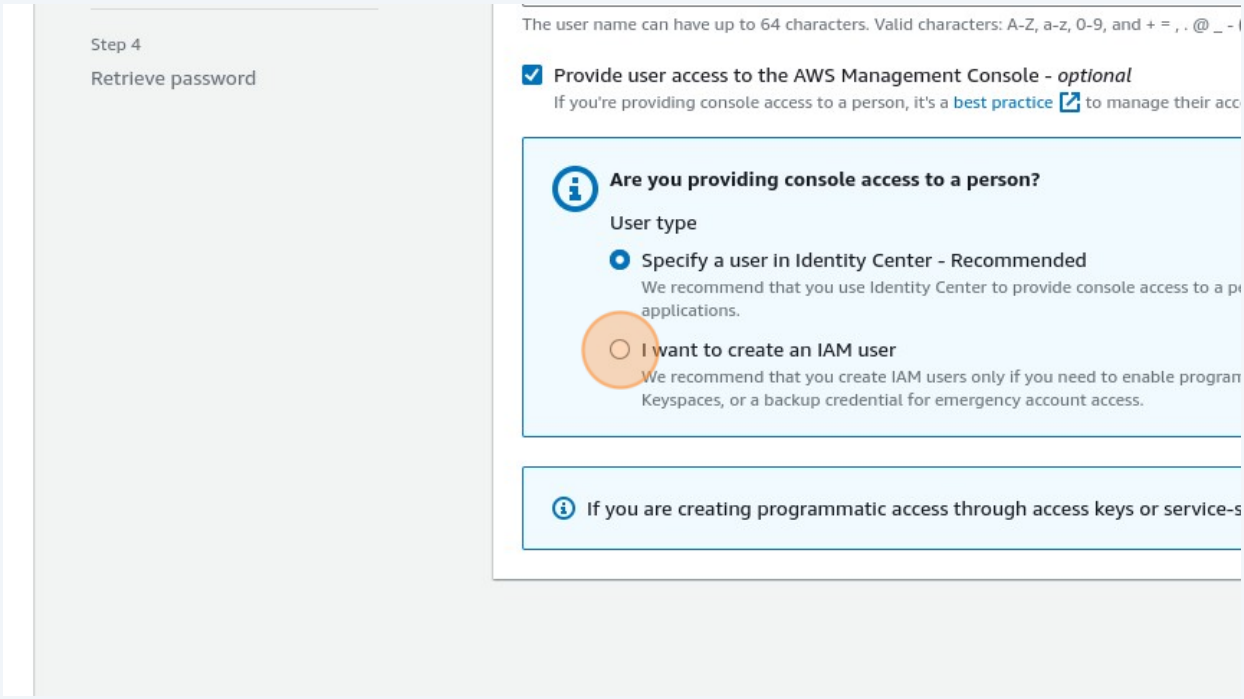


13 Type "test-user-1" . This is for example only you can type your wished name

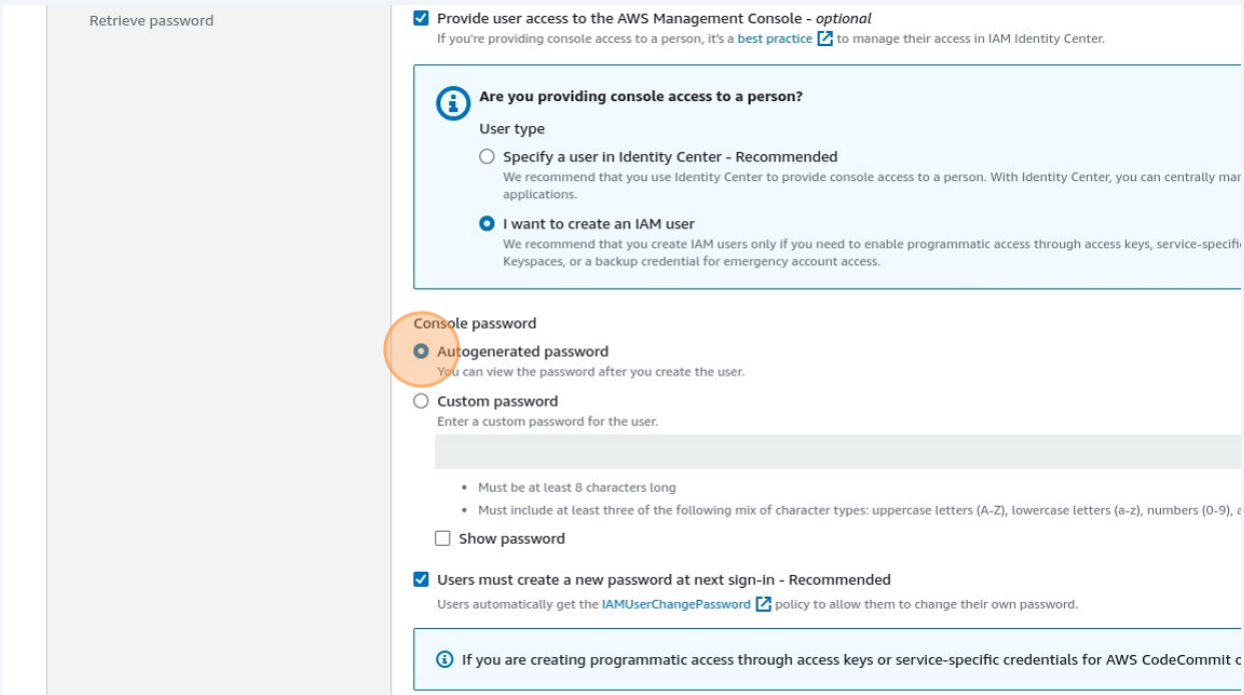
14 Click this checkbox. That means you are providing AWS Management console access to our creates user



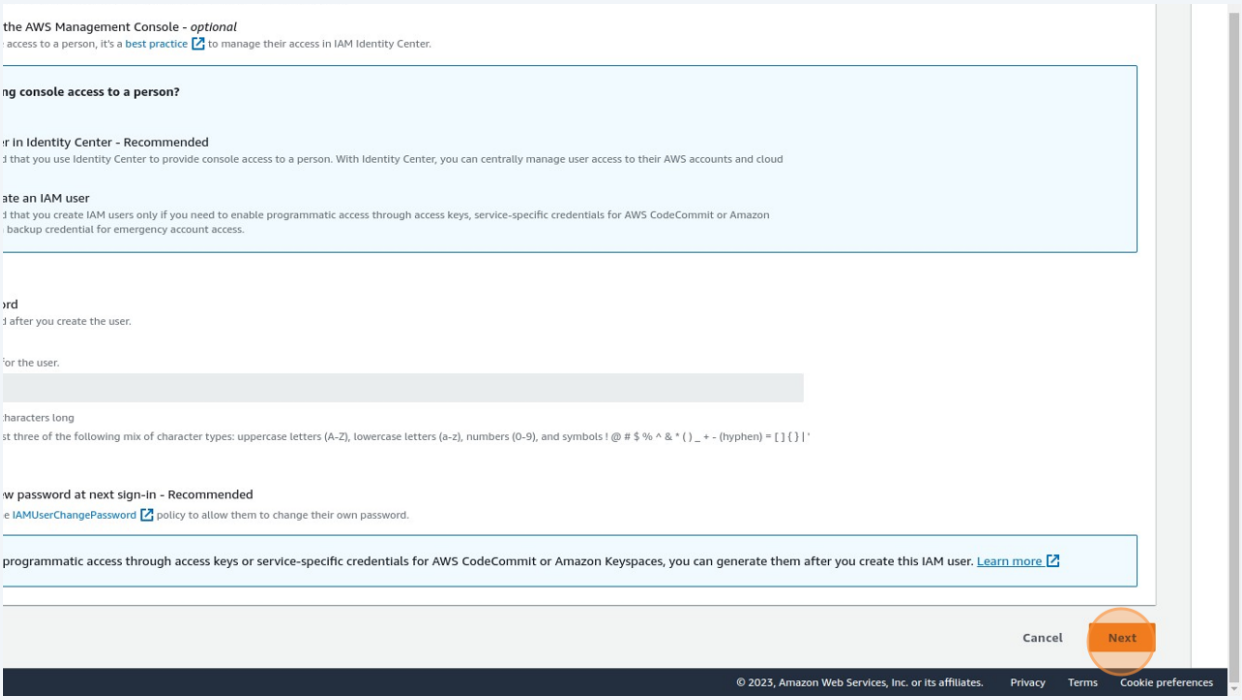
15 Click on "I want to create an IAM user"



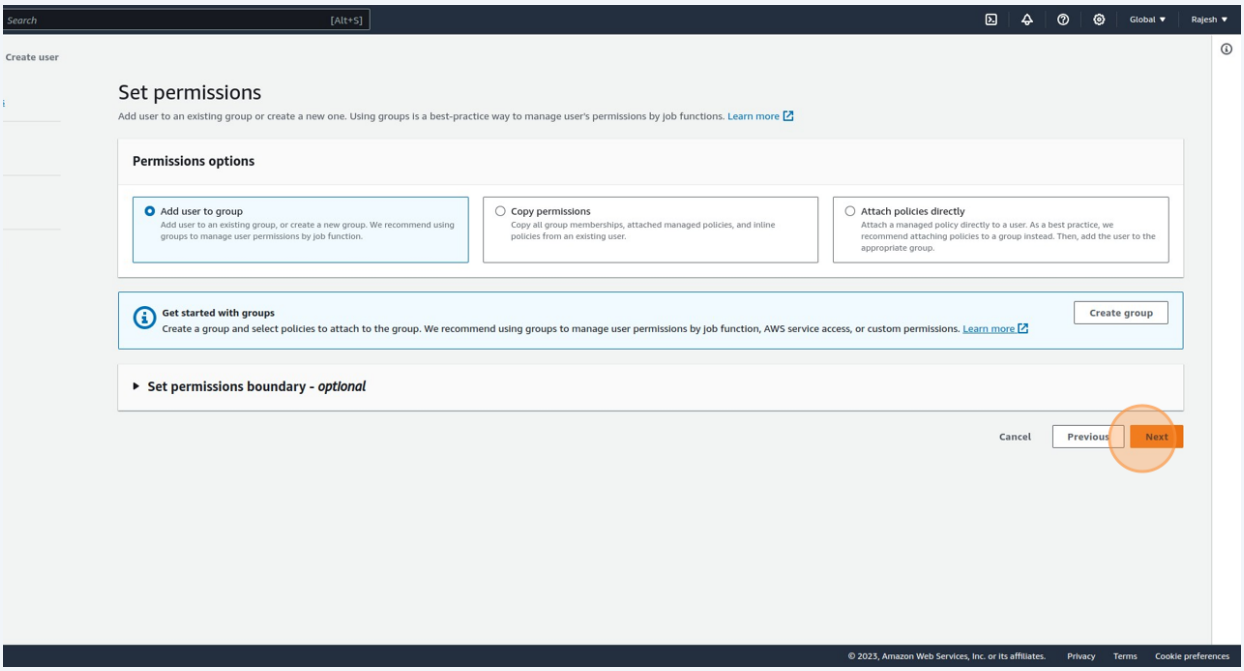
16 choose Autogenerated password ,why? because you are providing a password policy to your new user so that he can reset with new password



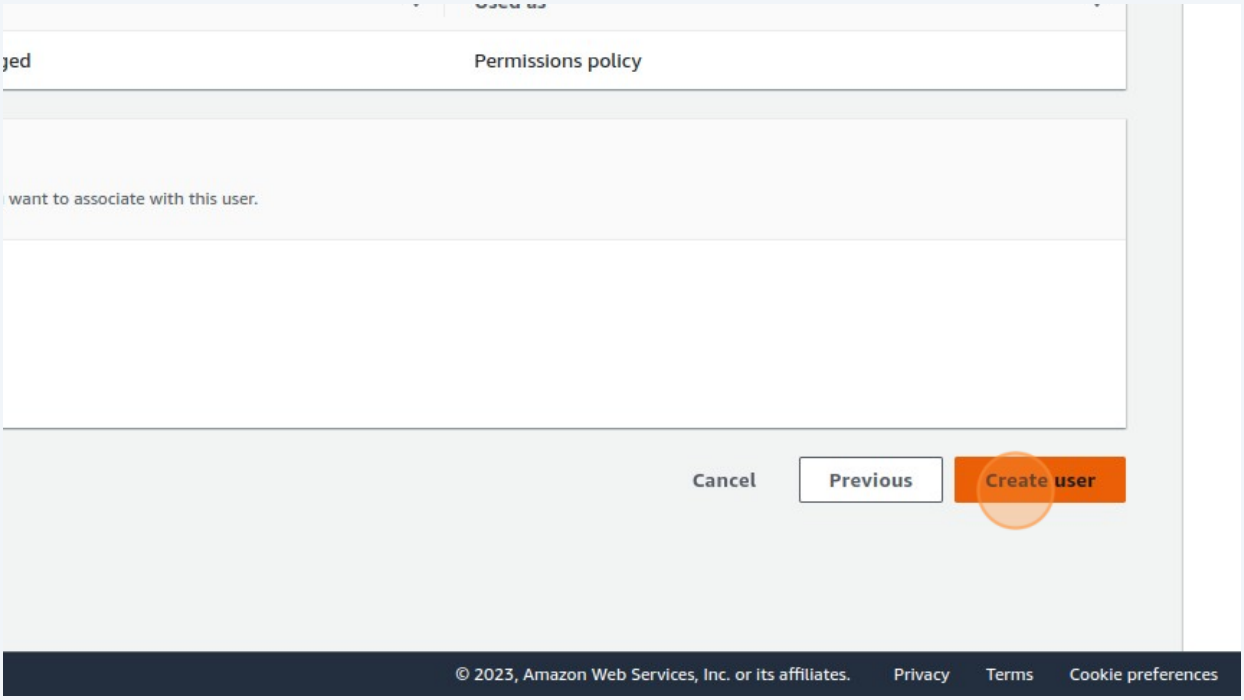
17 Click "Next"



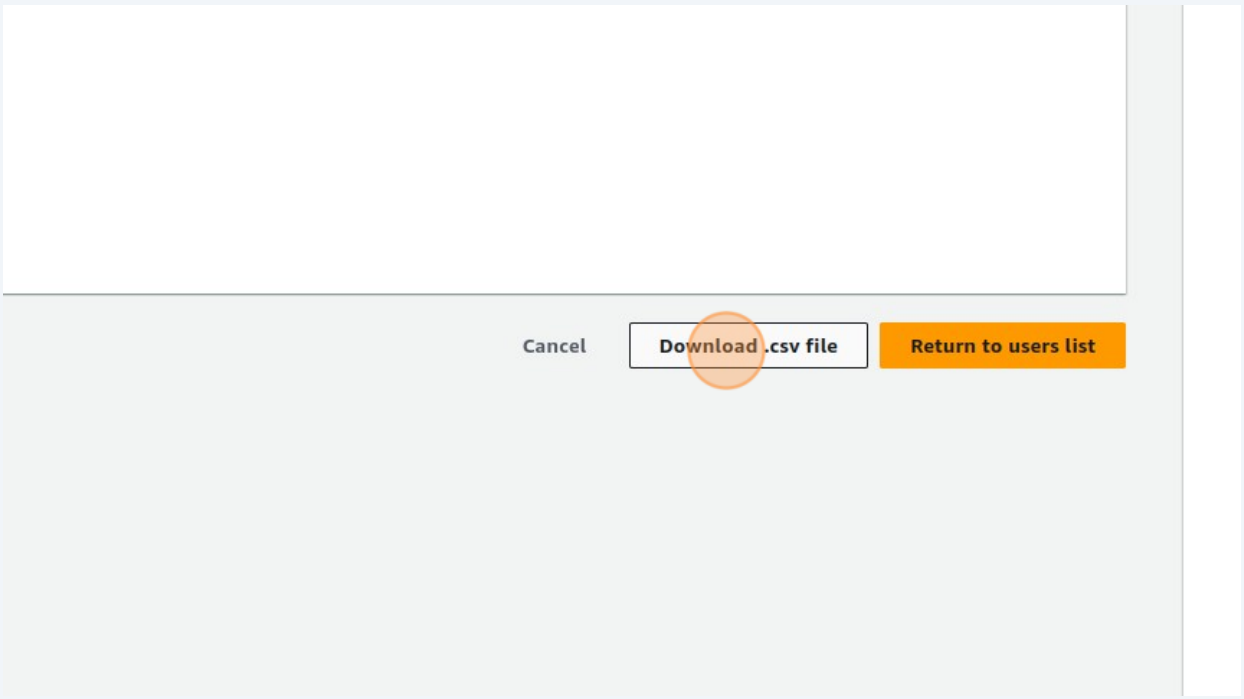
18 We will provide the permissions to our user after creating the user.So, just Click "Next"



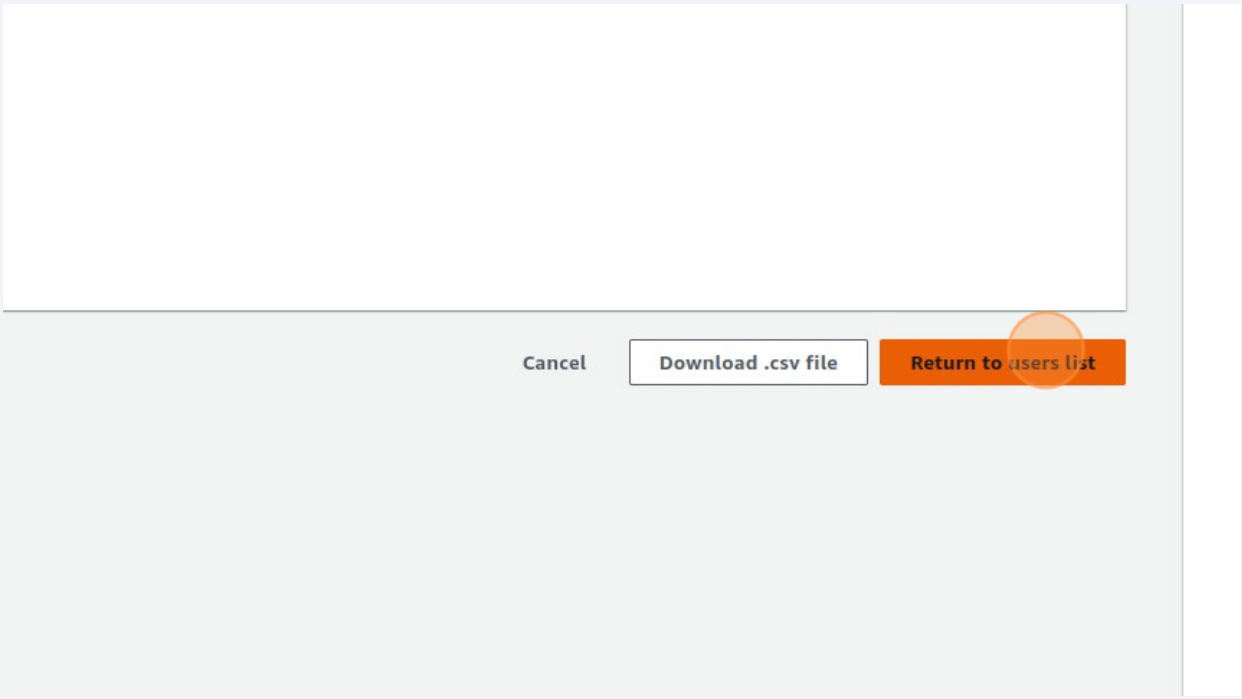
19 Click "Create user"



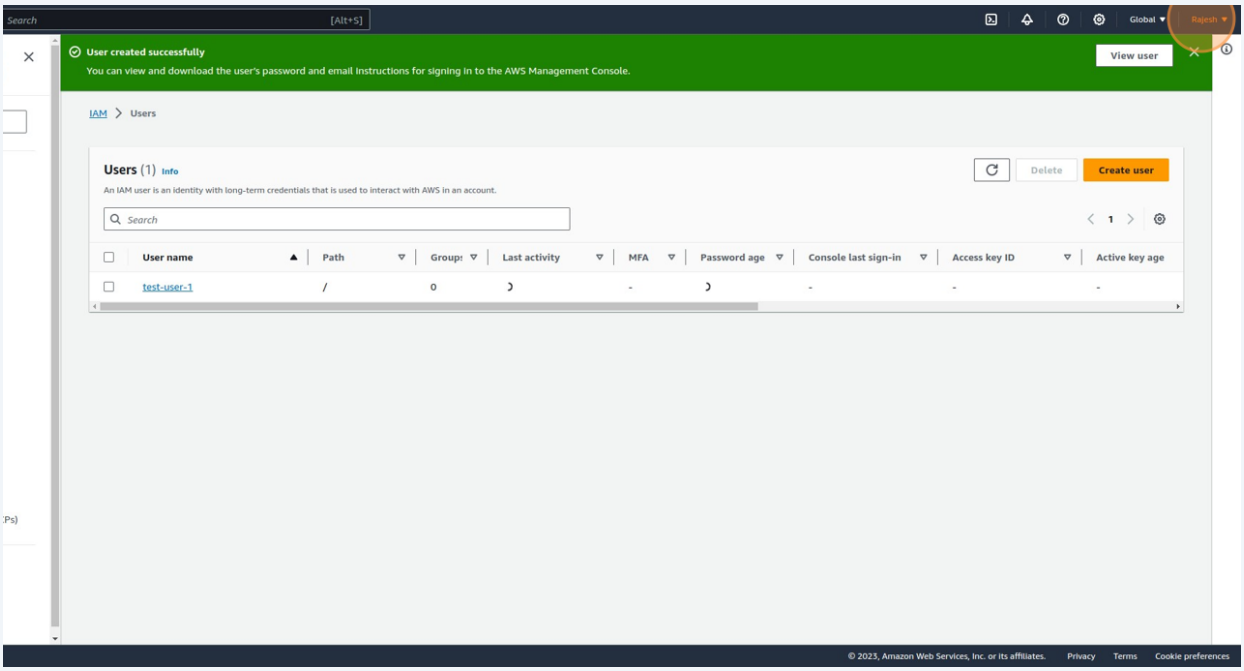
20 Now you have gotten new user credentials Click "Download .csv file" and make a copy



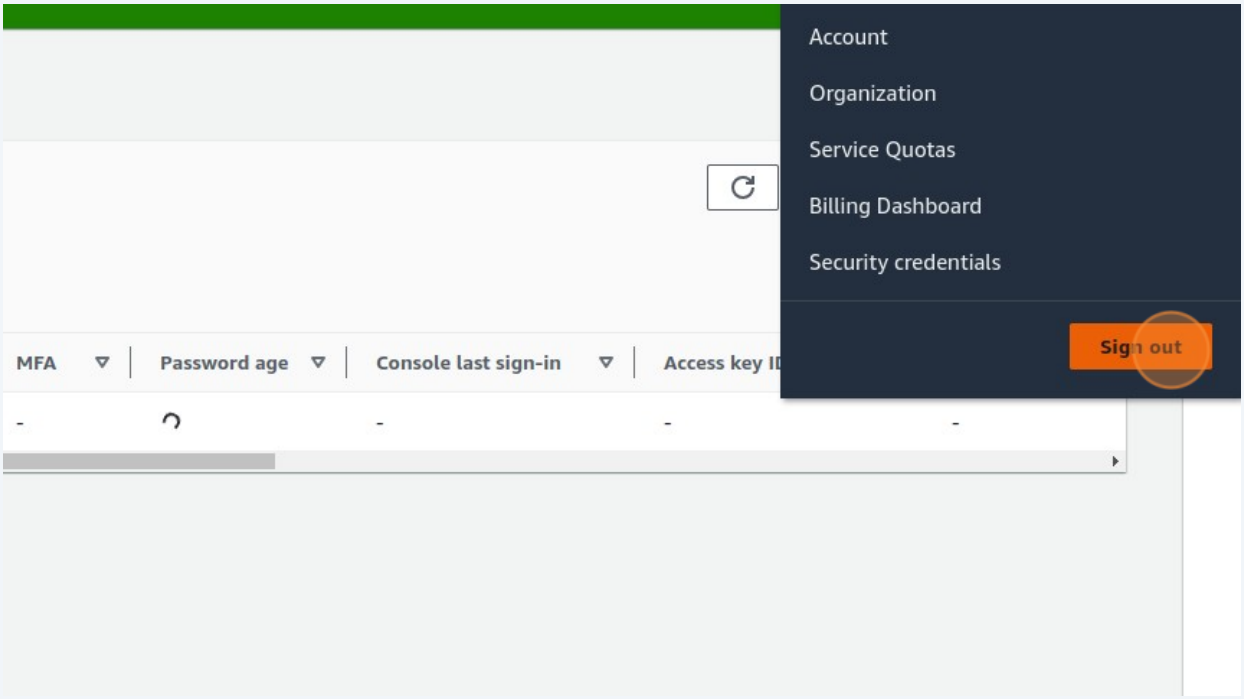
21 Click "Return to users list"



22 Great,you have successfully created a user.Click on your account profile

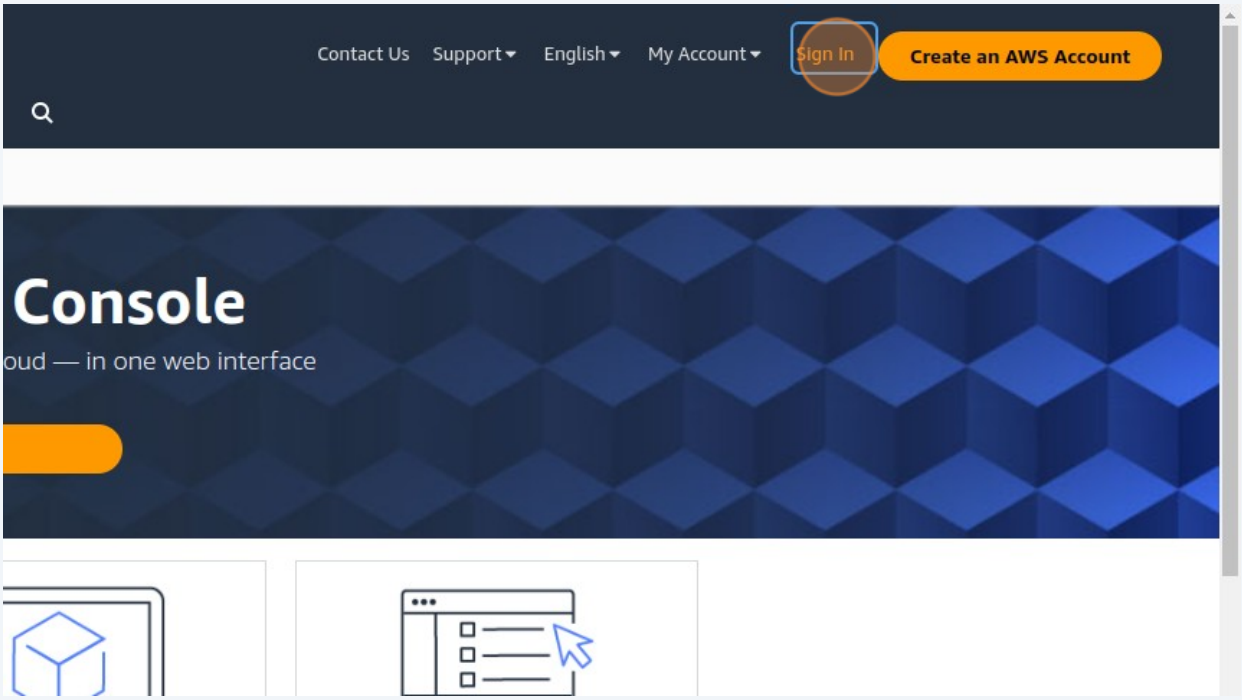


23 Click "Sign out"

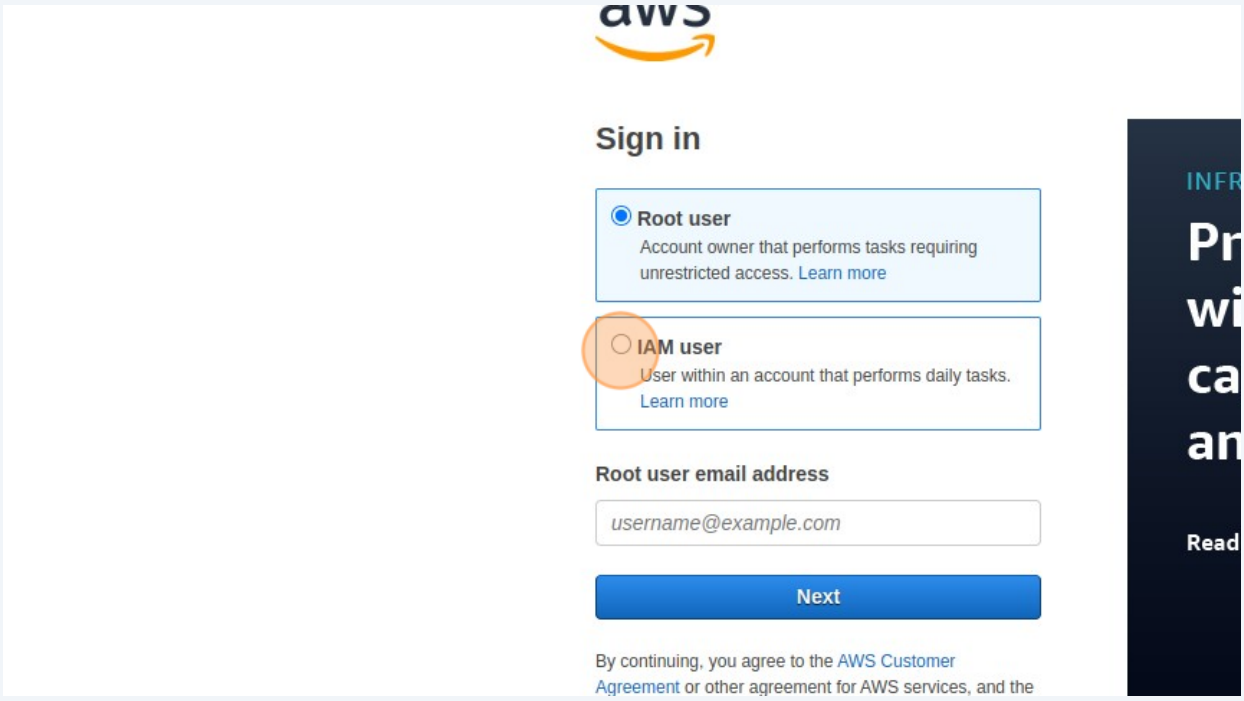


24 Now we are sign in to the user account

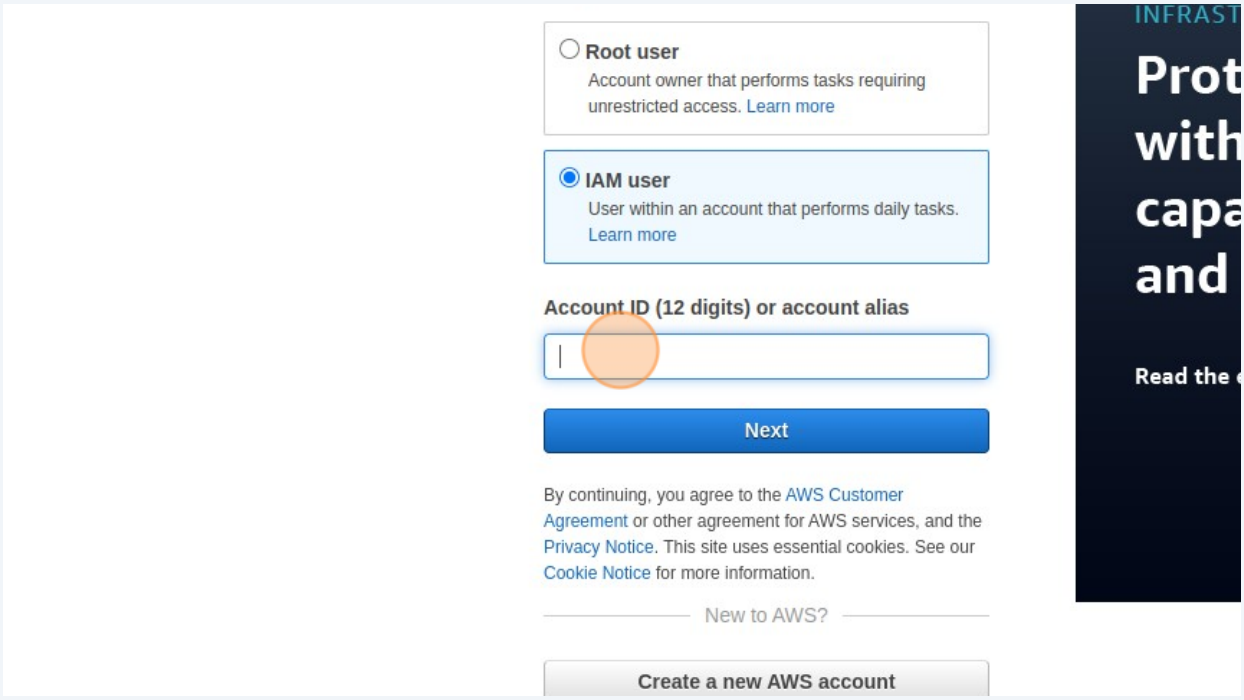
25 Click "Sign In"



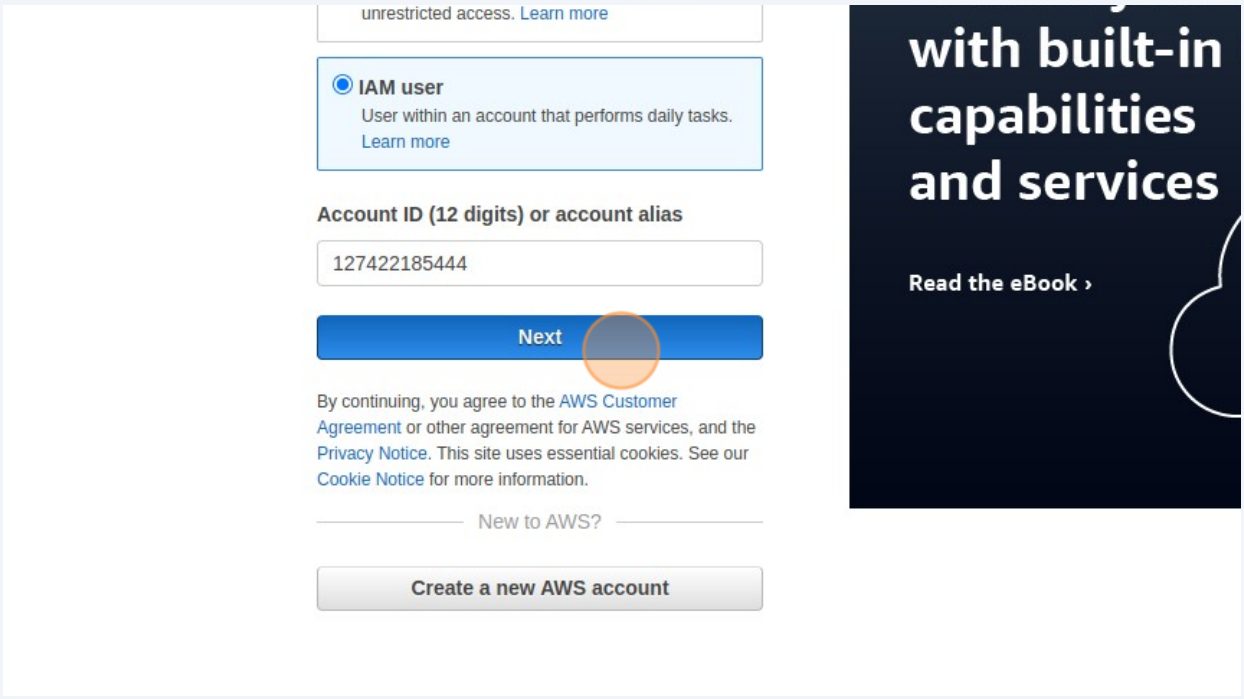
26 Click on IAM user



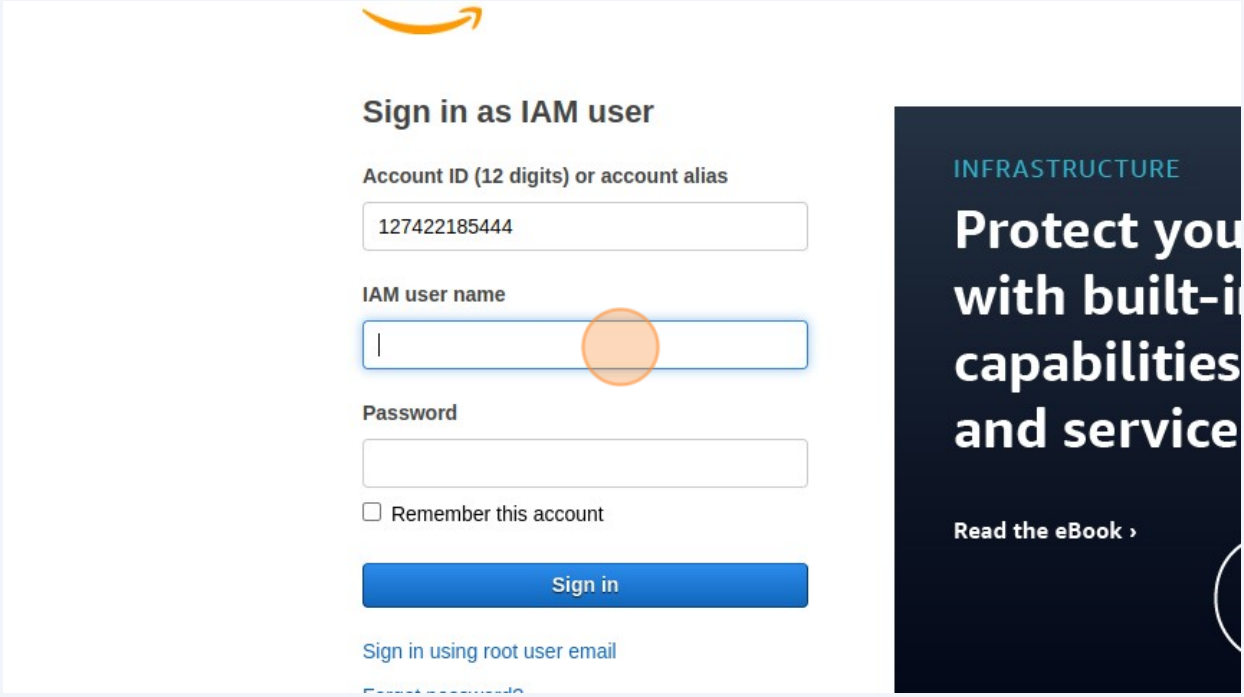
27 Enter your credentials,First enter you user Account ID ,you can find in the url



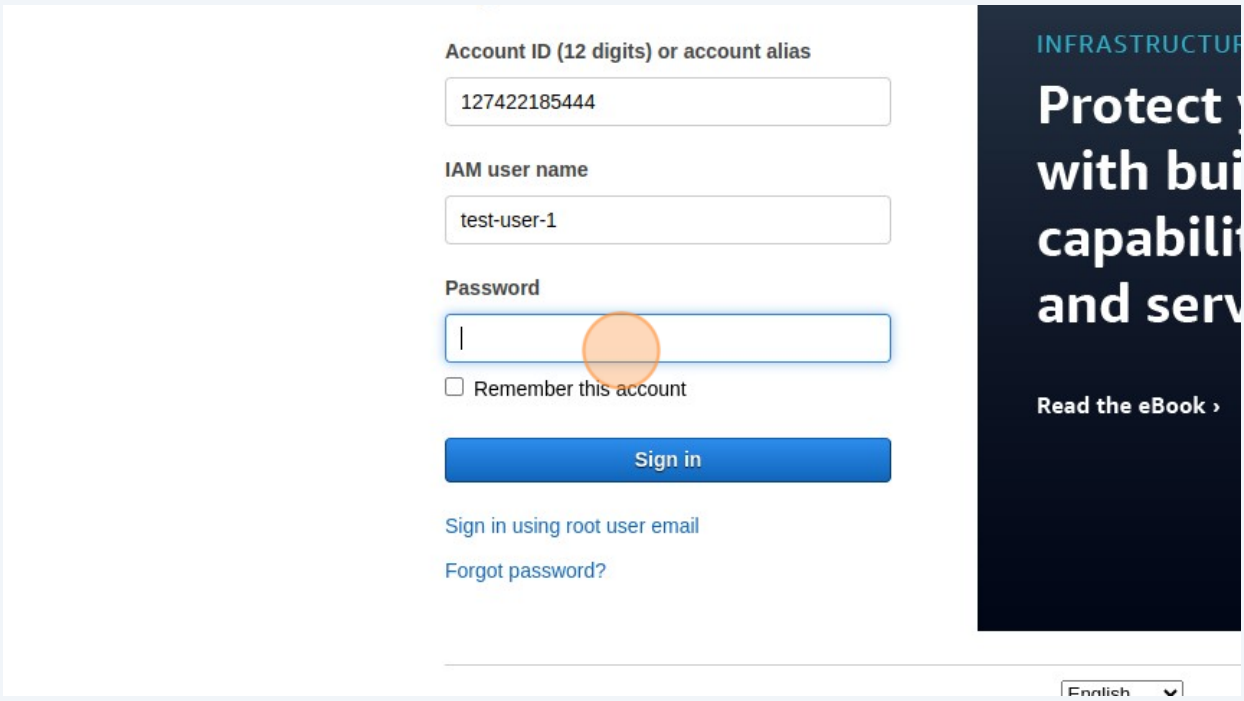
28 Click "Next"



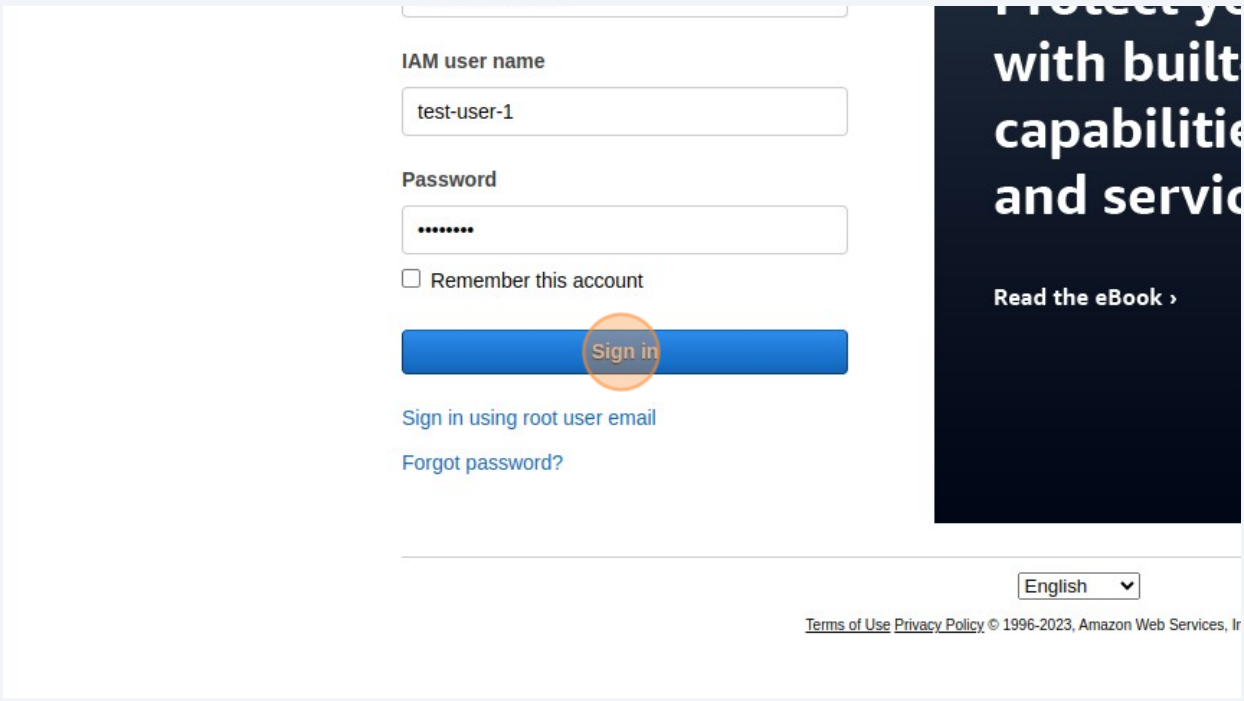
29 Click the "IAM user name" field. and enter the user name



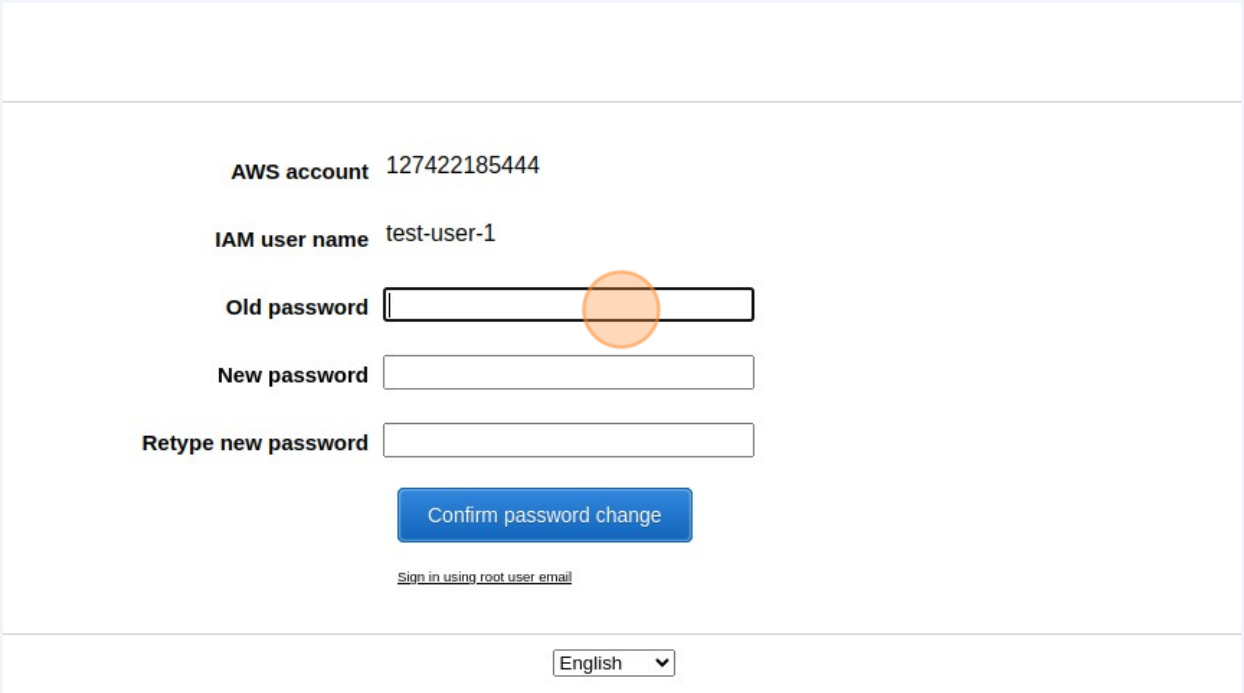
30 Click the "Password" field. and enter the password you have received in the .csv file



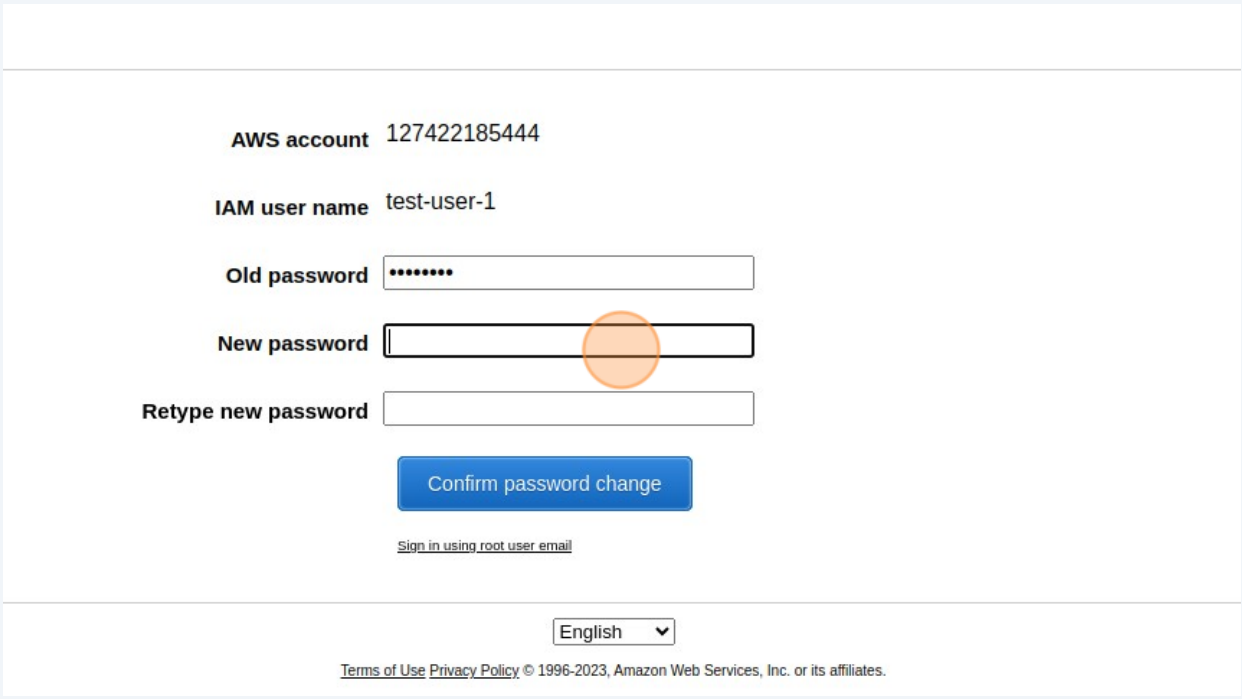
31 Click "Sign in"



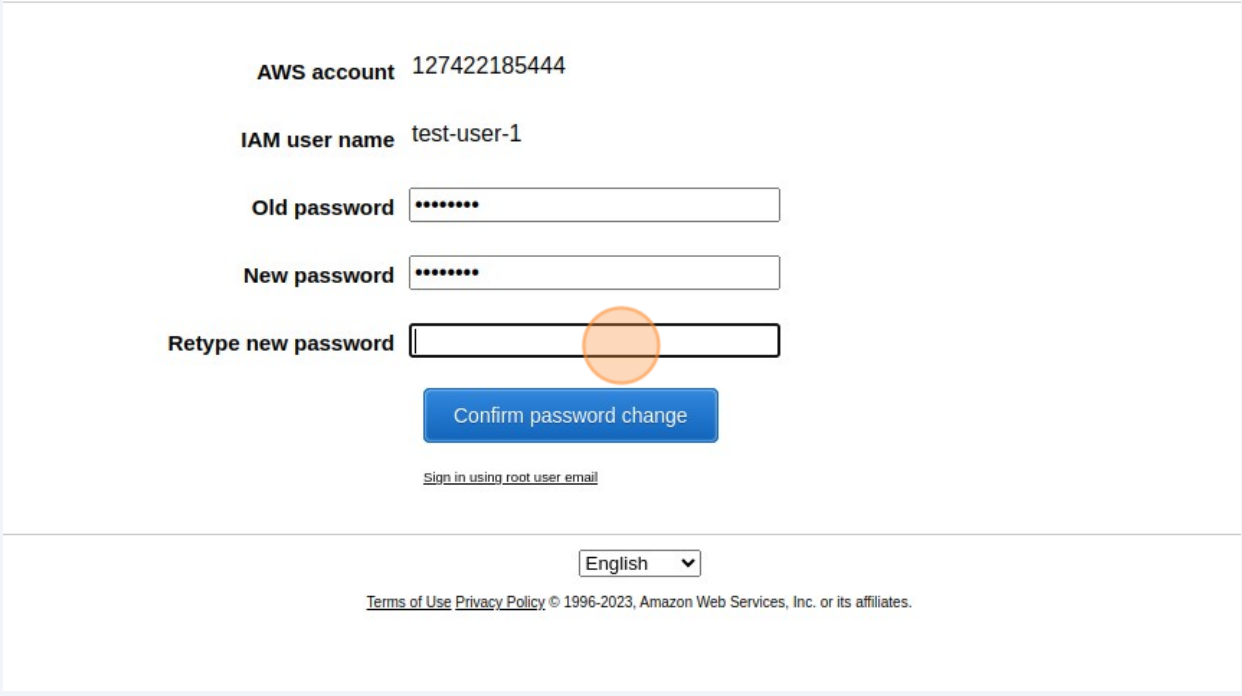
32 Click the "Old password" field. and enter the same password again



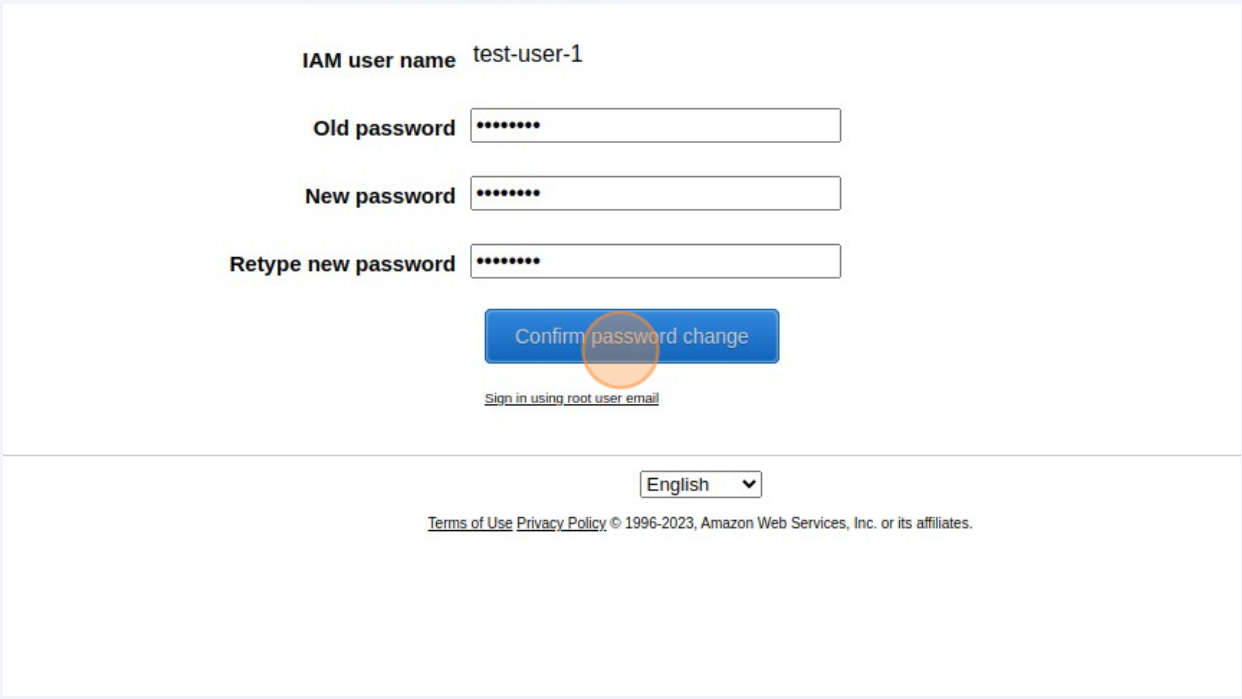
33 Click the "New password" field. and enter your new password



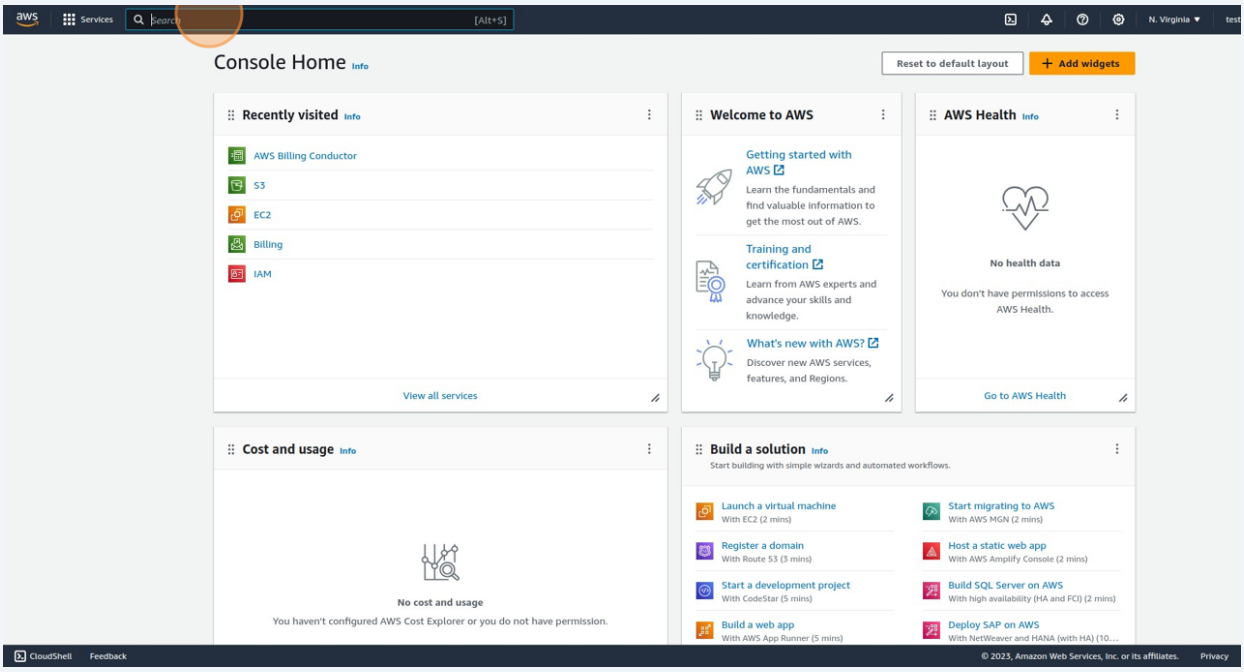
34 Click the "Retype new password" field. and again enter the new password



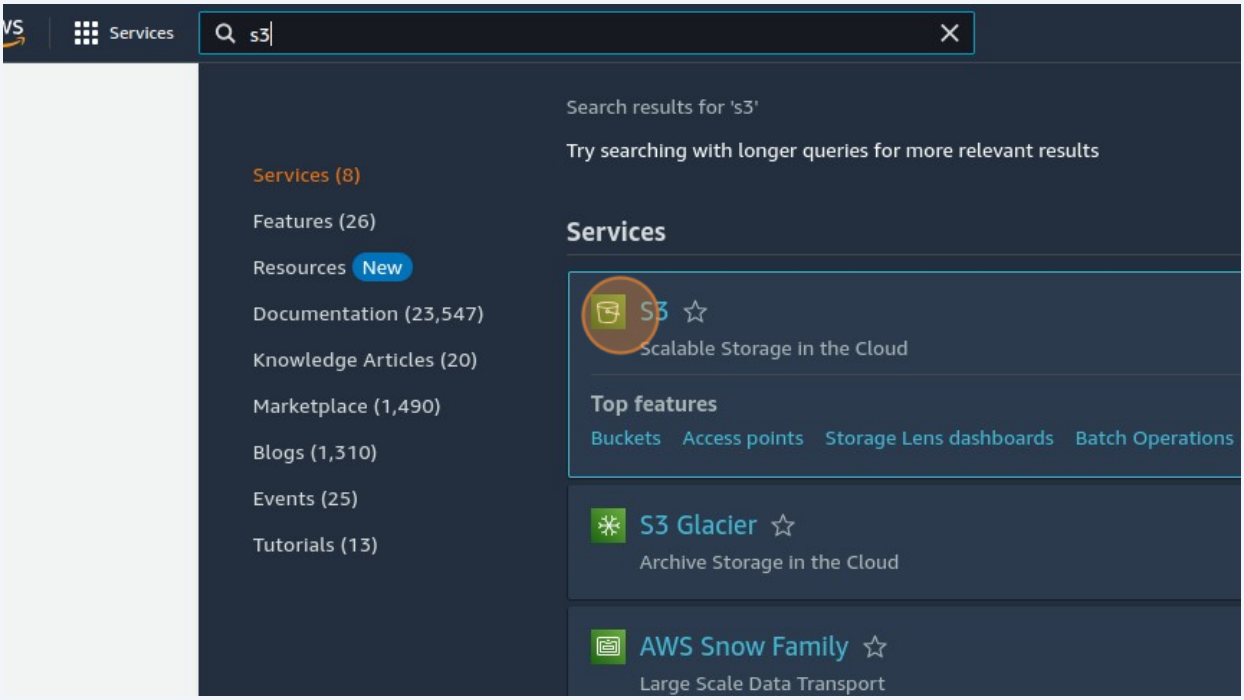
35 Click "Confirm password change"



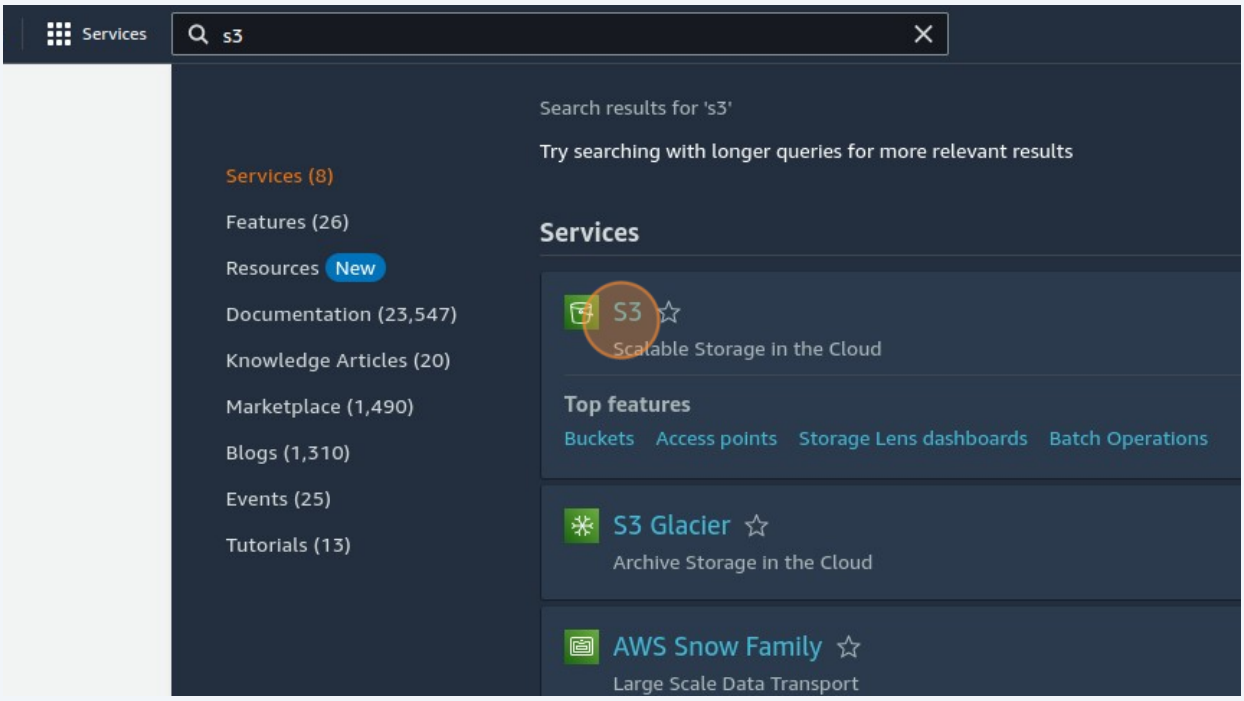
36 Now you are in new user account Click the "Search" field. Type "s3"



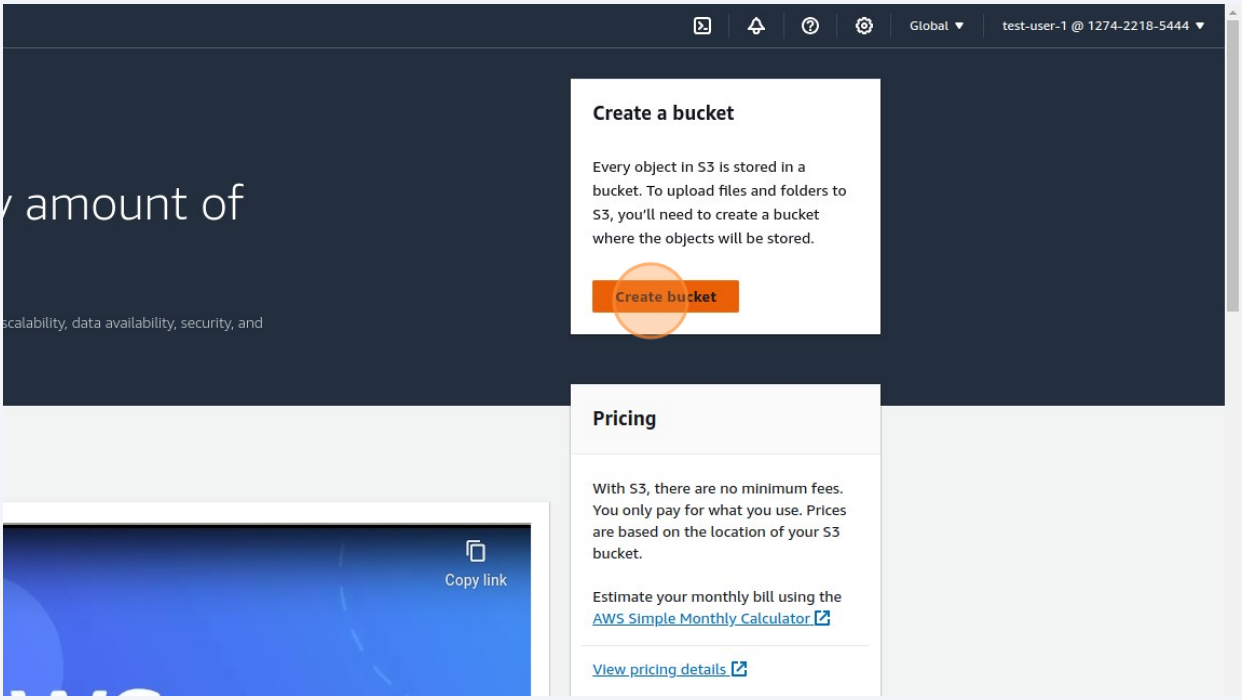
37 Click on s3



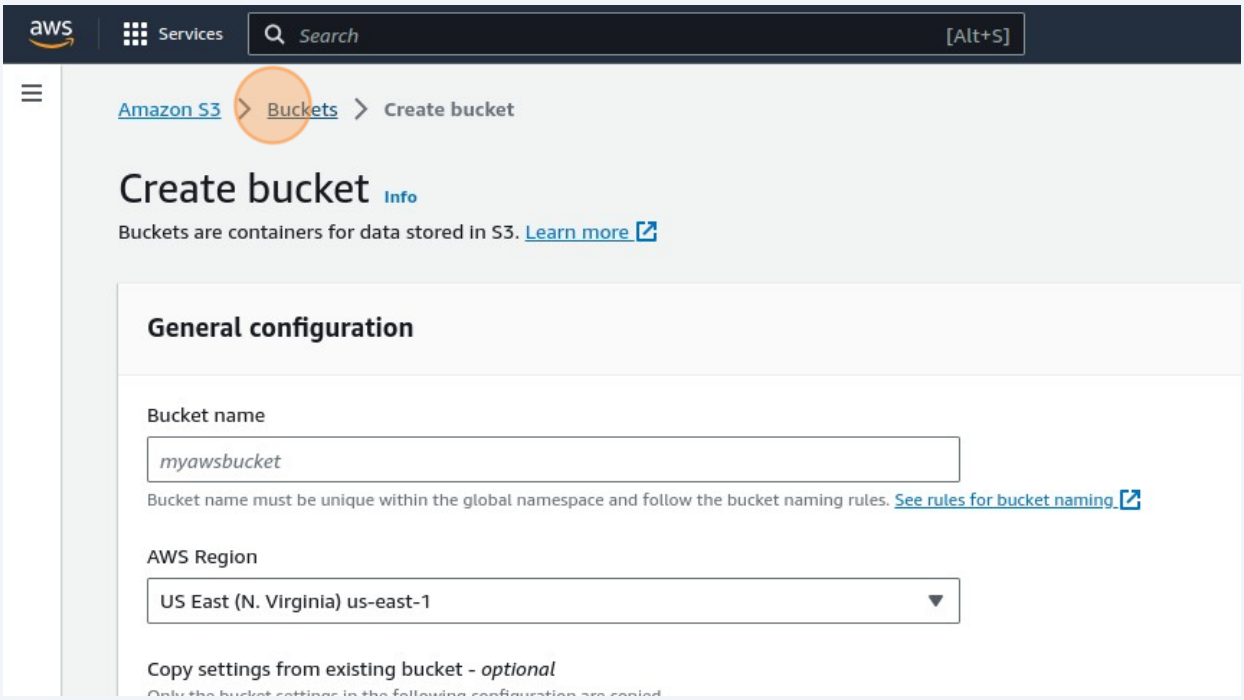
38 Click "S3"



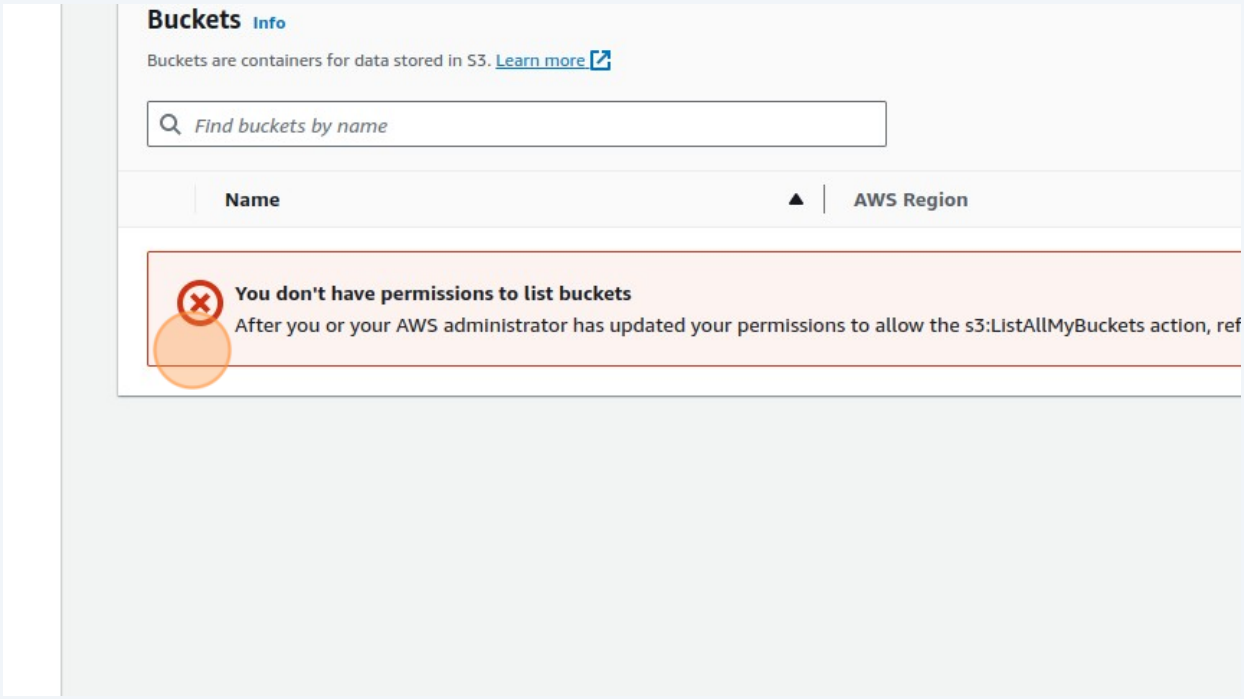
39 Click "Create bucket"



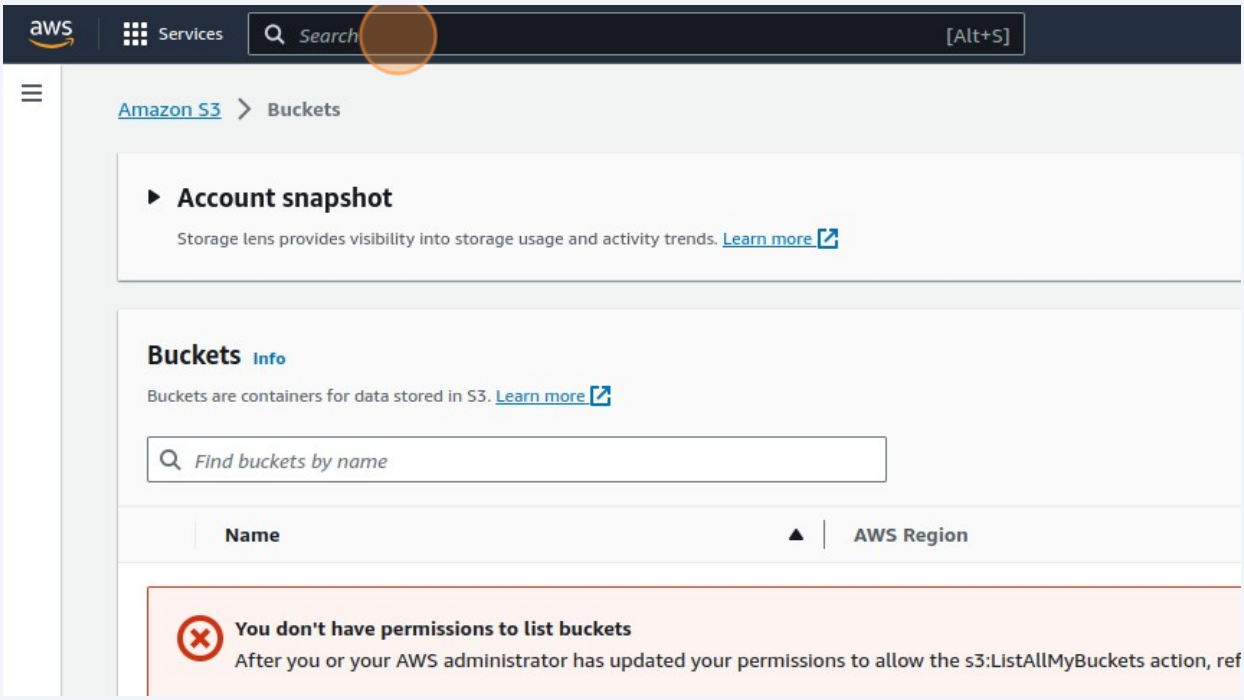
40 Click "Buckets"



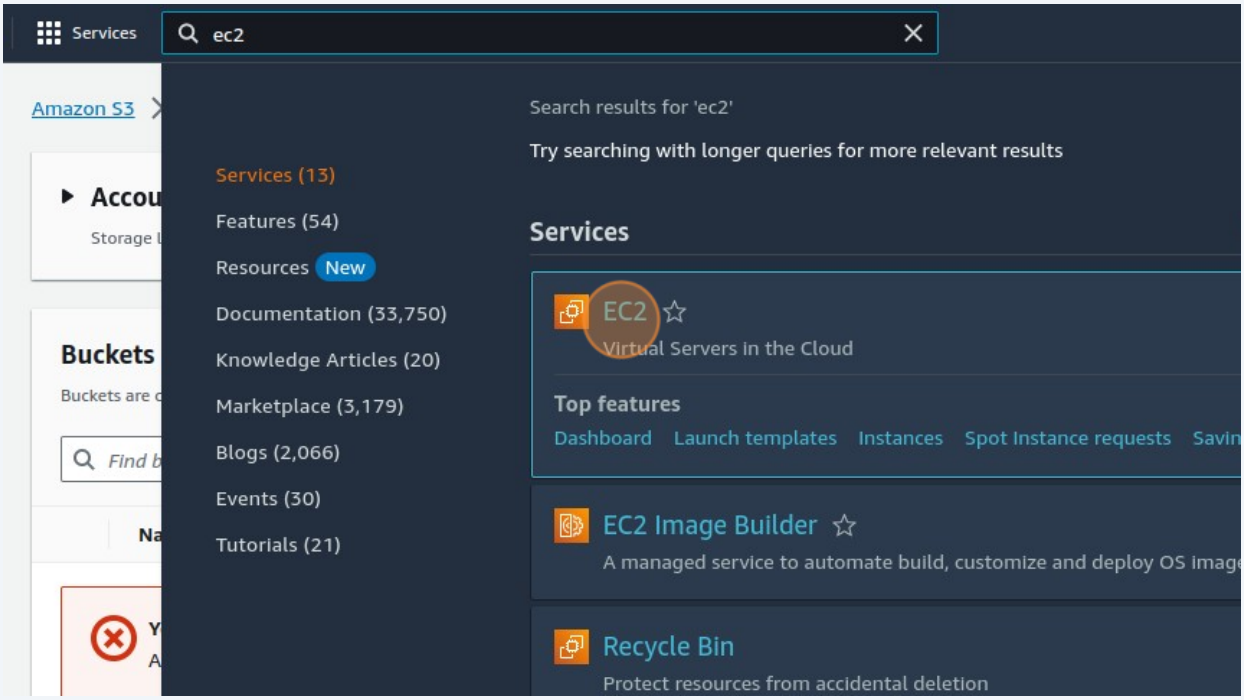
41 Observe here the new user don't have any s3 policy



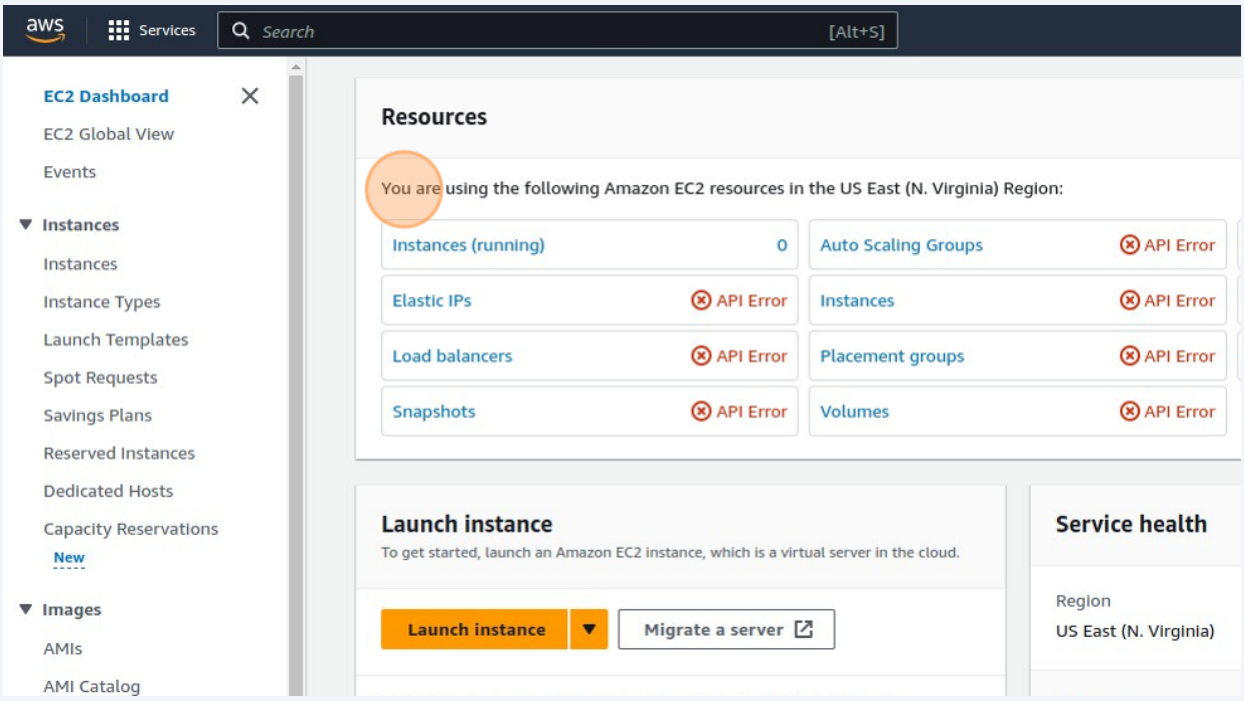
42 Click the "Search" field.Type "ec2"



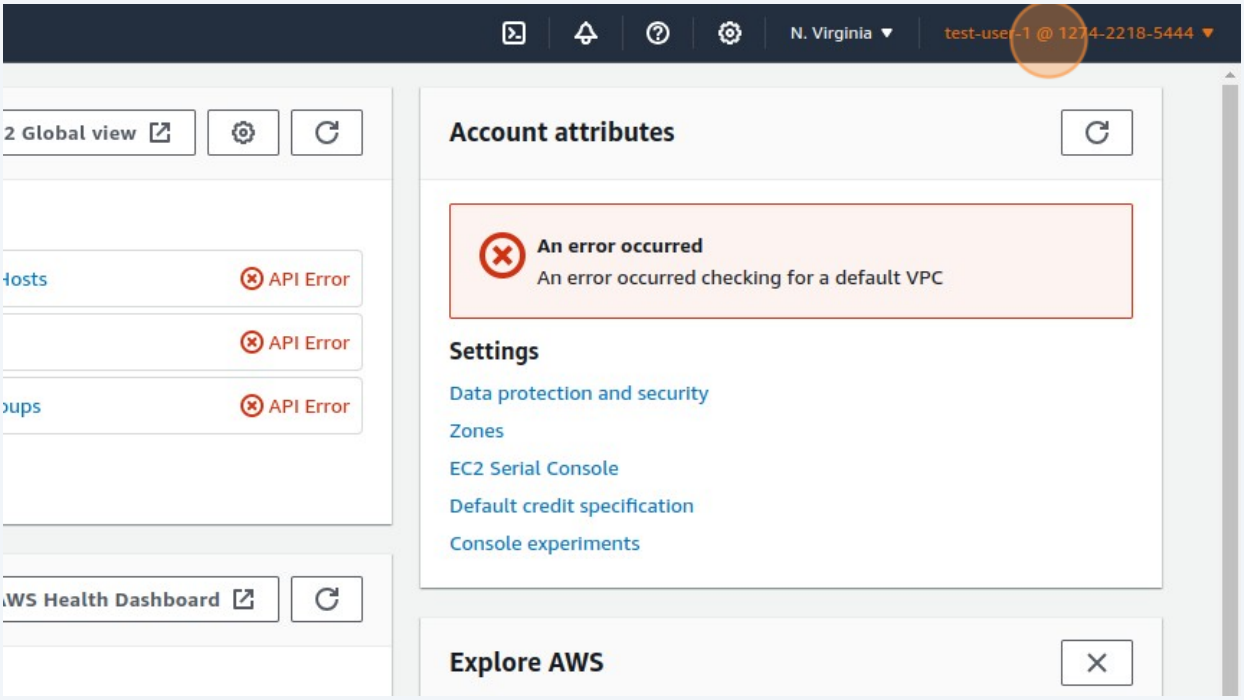
43 Click "EC2"



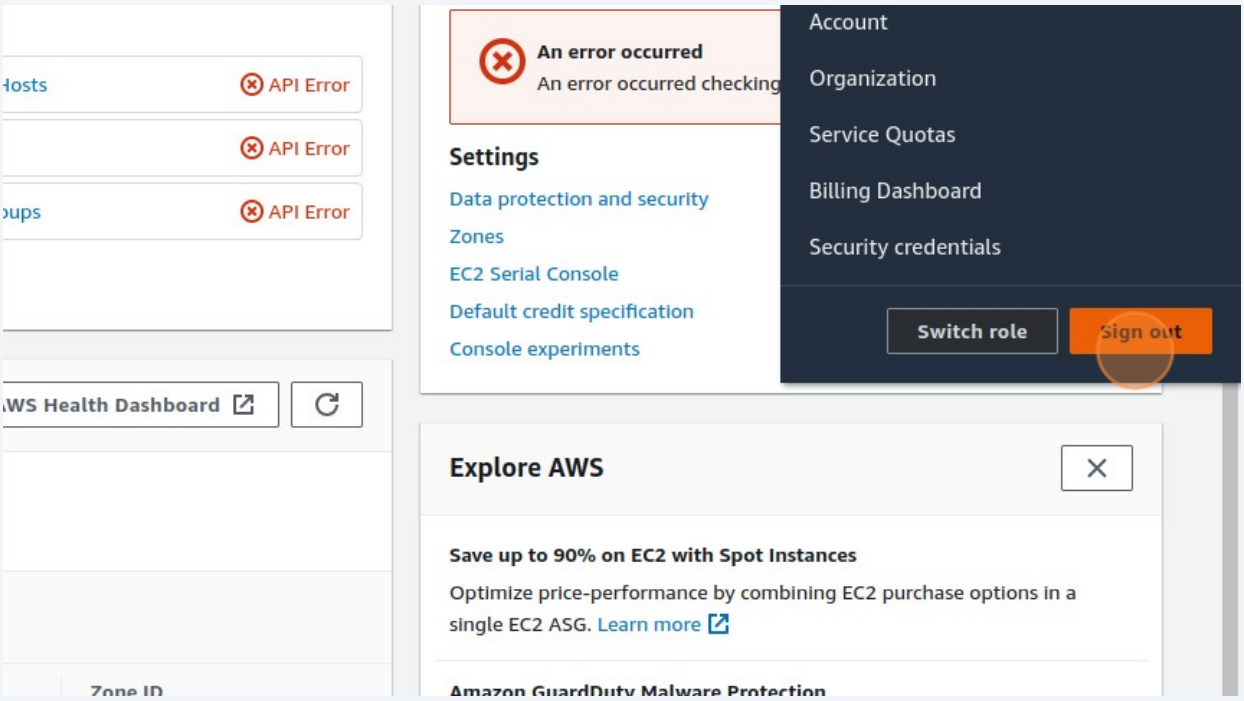
44 You can understand that our new user don't have a permission to ec2 also



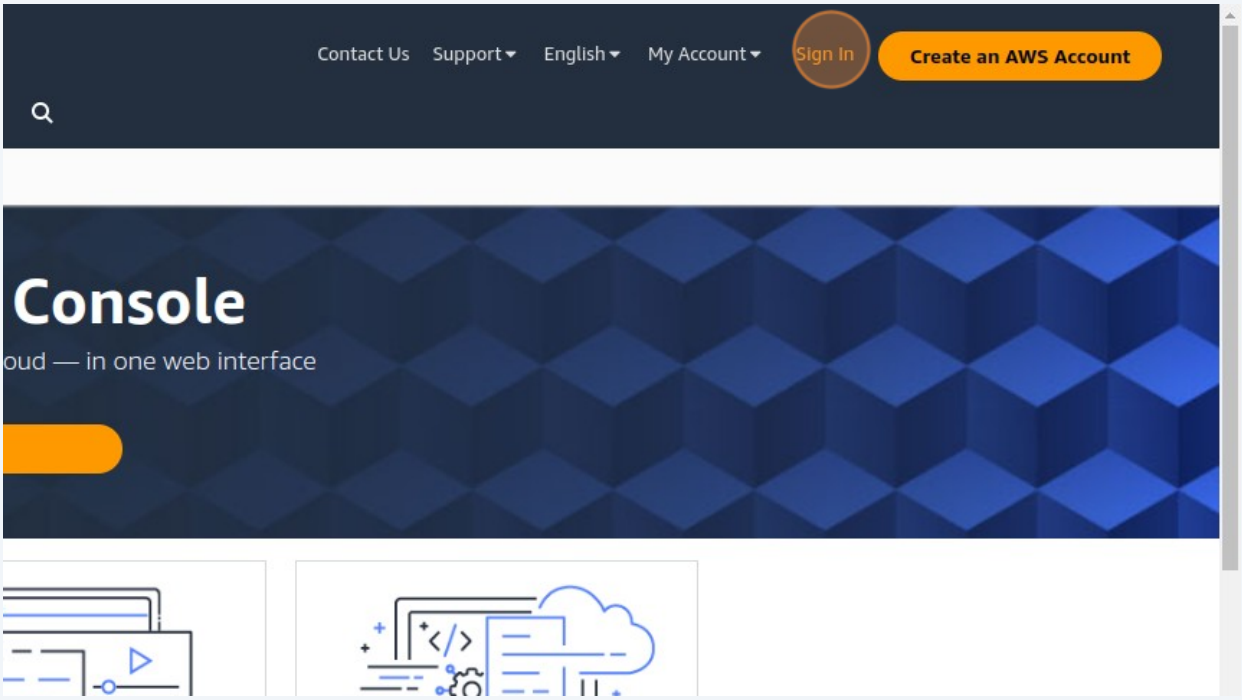
45 Our new user don't have any permissions .Now we will provide a permission.Click "test-user-1 @ 1274-2218-5444"(account profile)



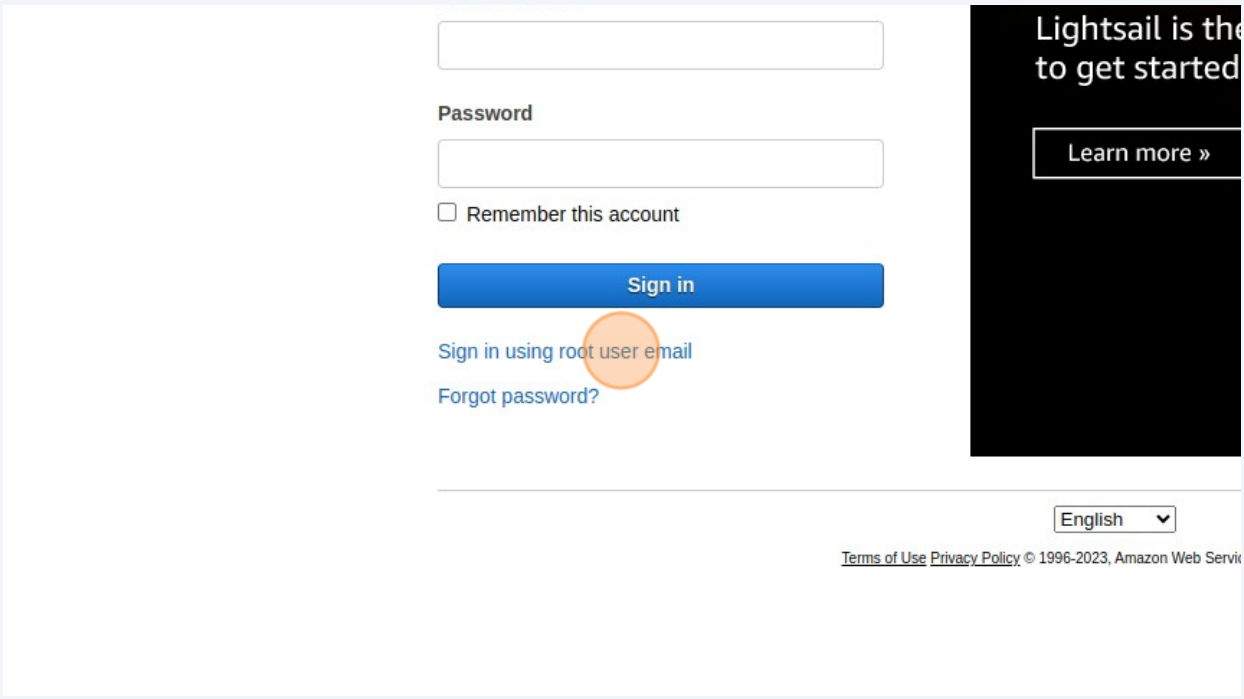
46 Click "Sign out"



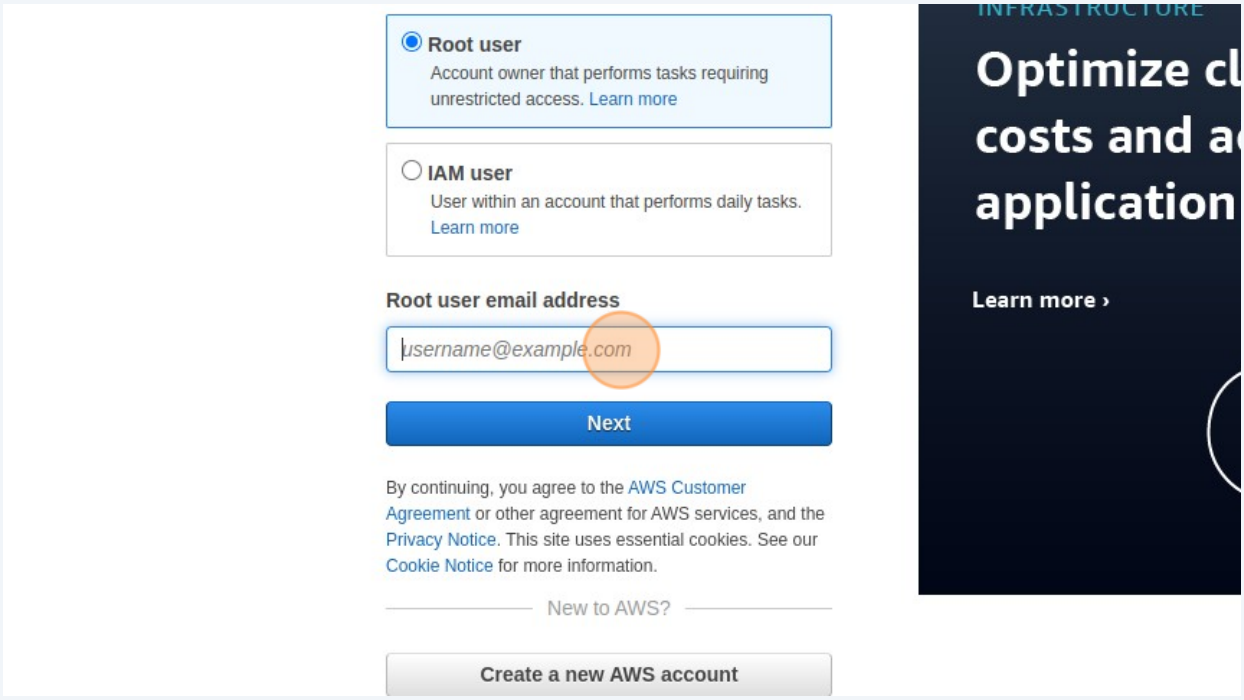
47 Click "Sign In"



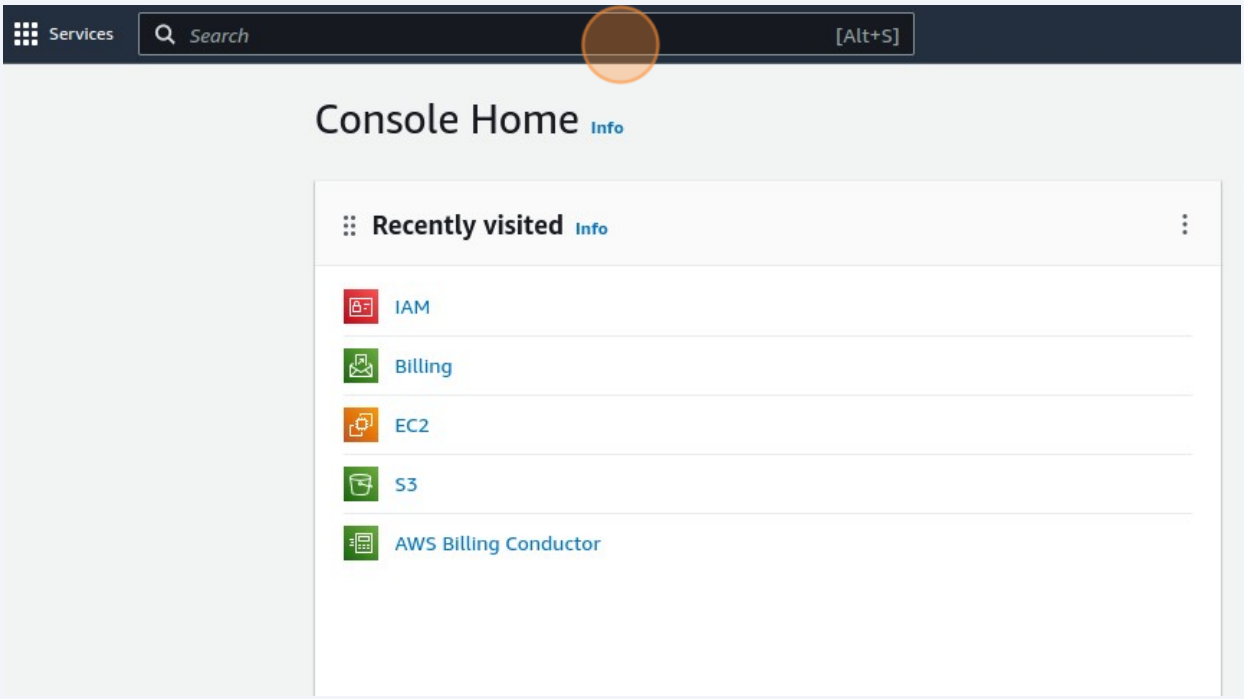
48 Click "Sign in using root user email"



49 Enter into your Root AWS Account

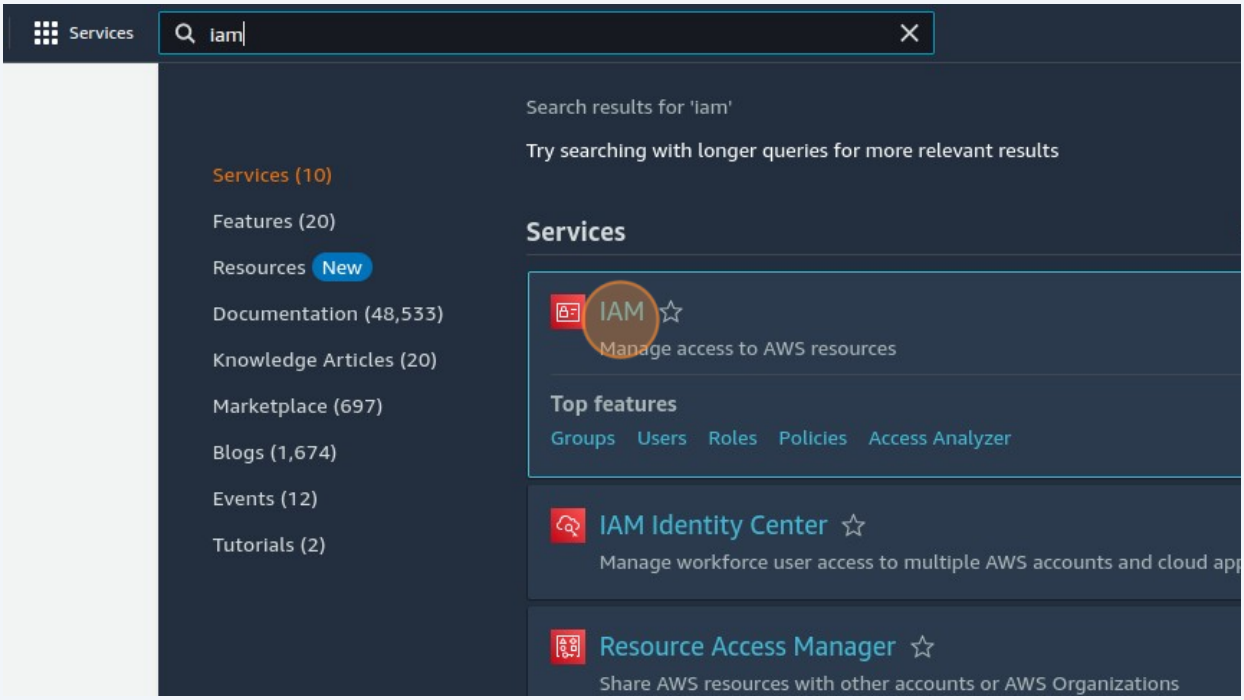


50 Click the "Search" field.

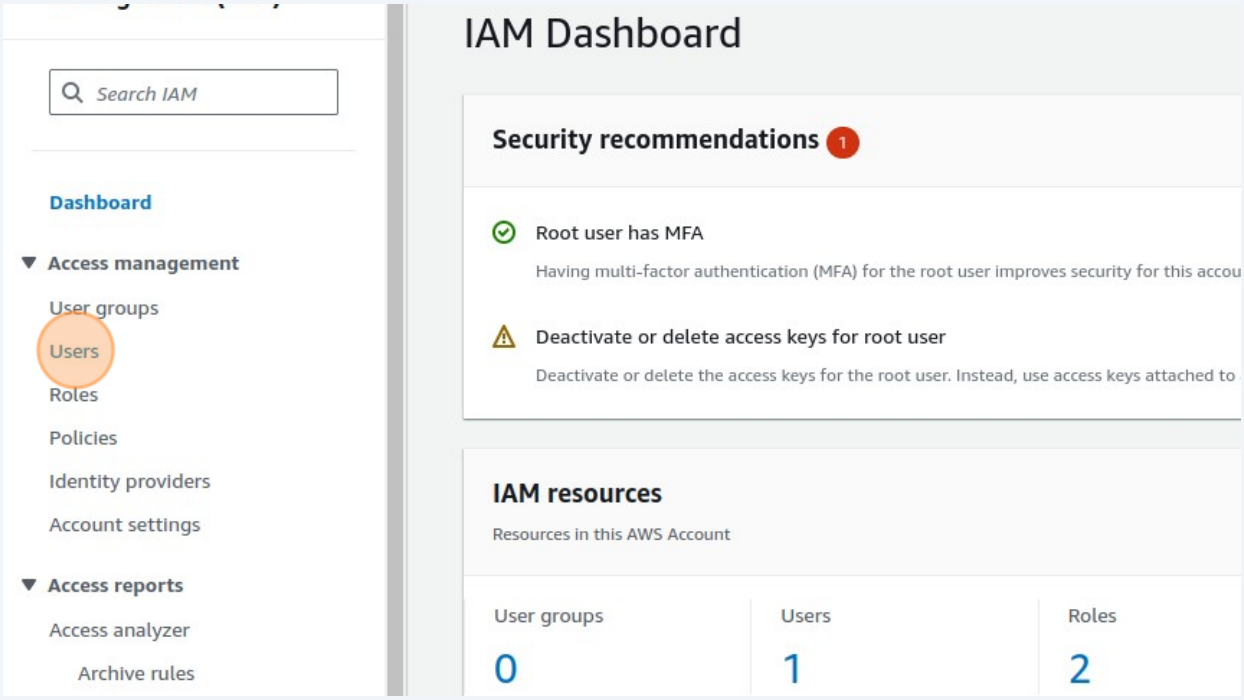


51 Type "iam"

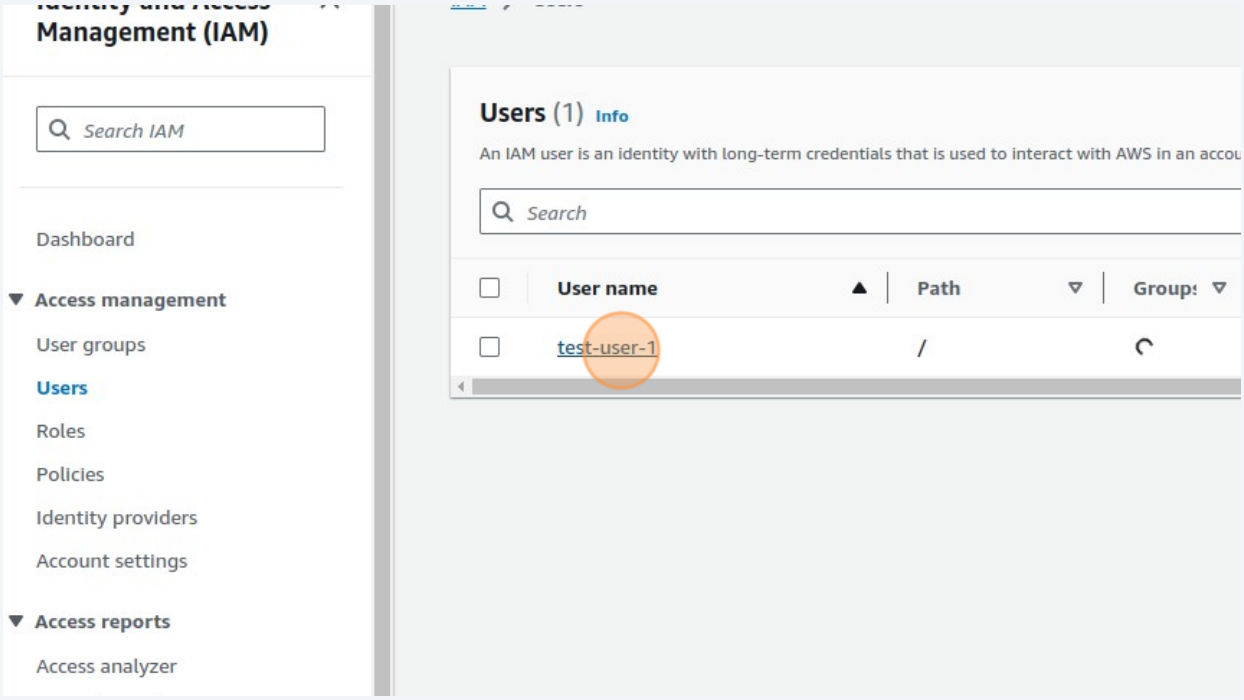
52 Click "IAM"



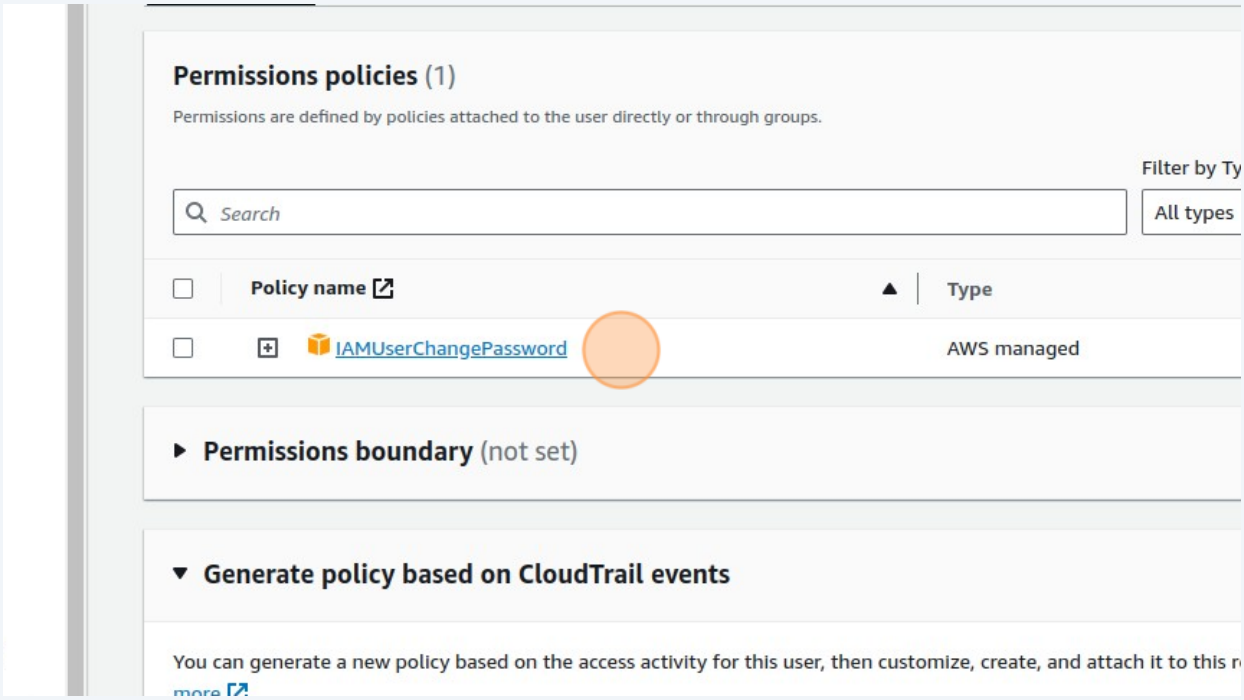
53 Click "Users"



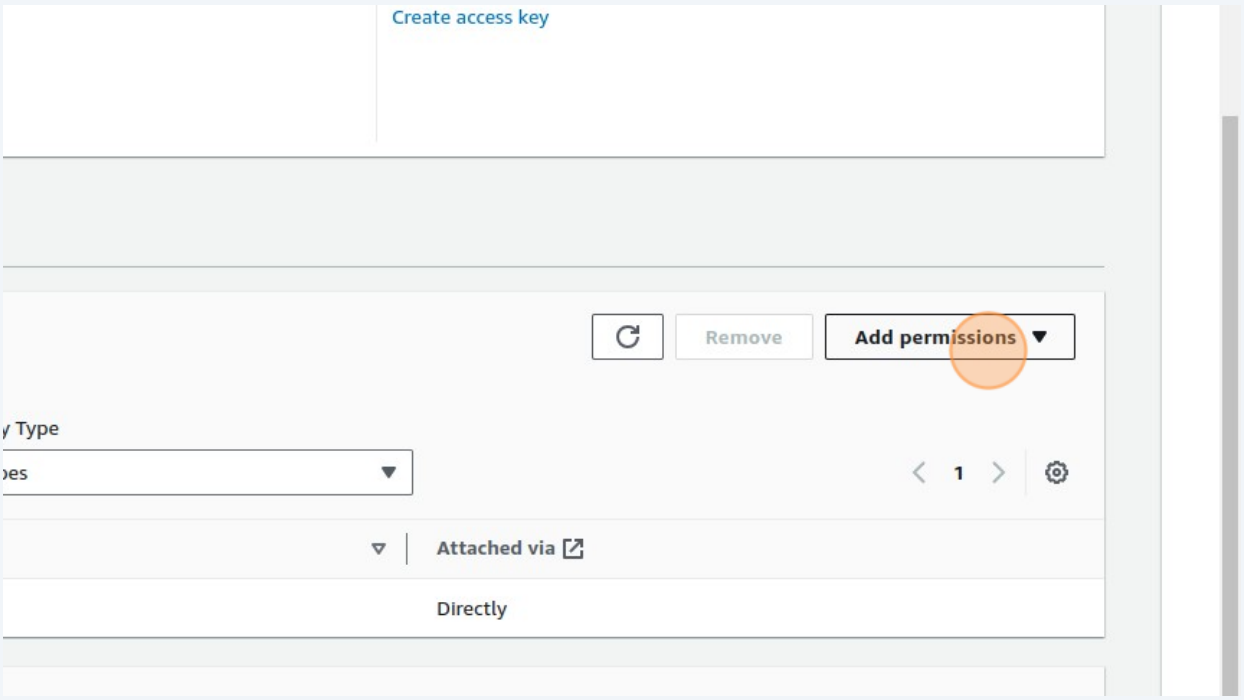
54 Click "test-user-1"



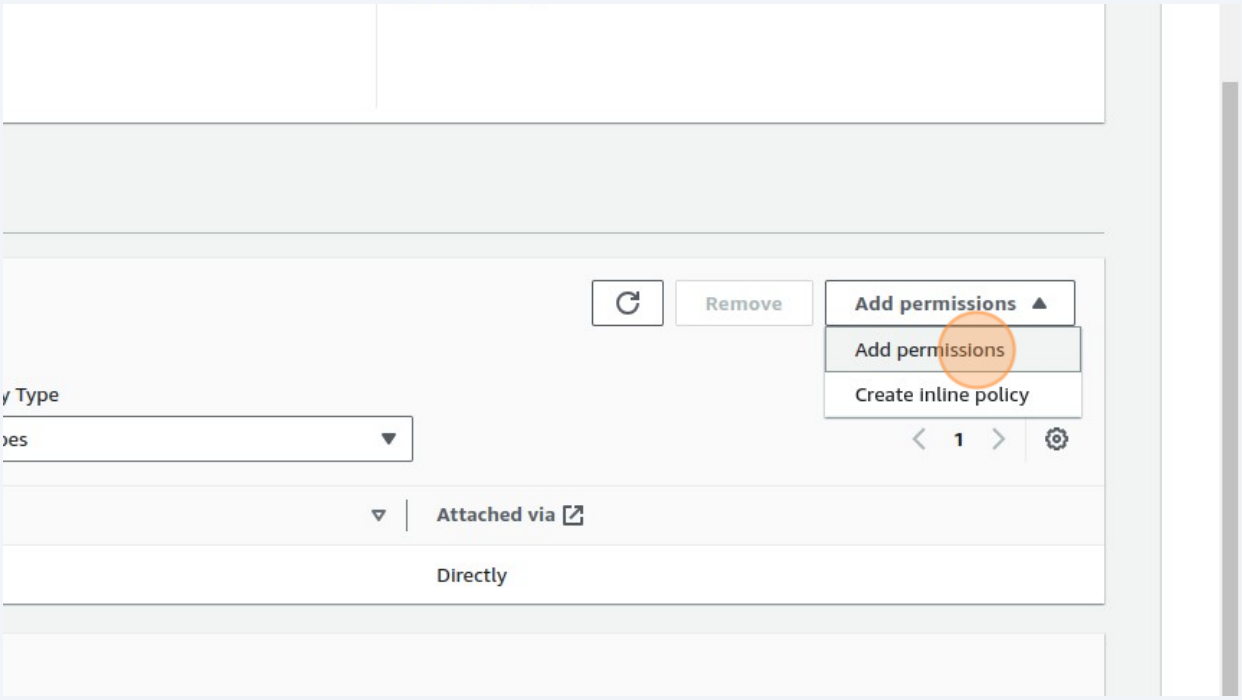
55 our new user had only one policy . we already utilise it for reset password



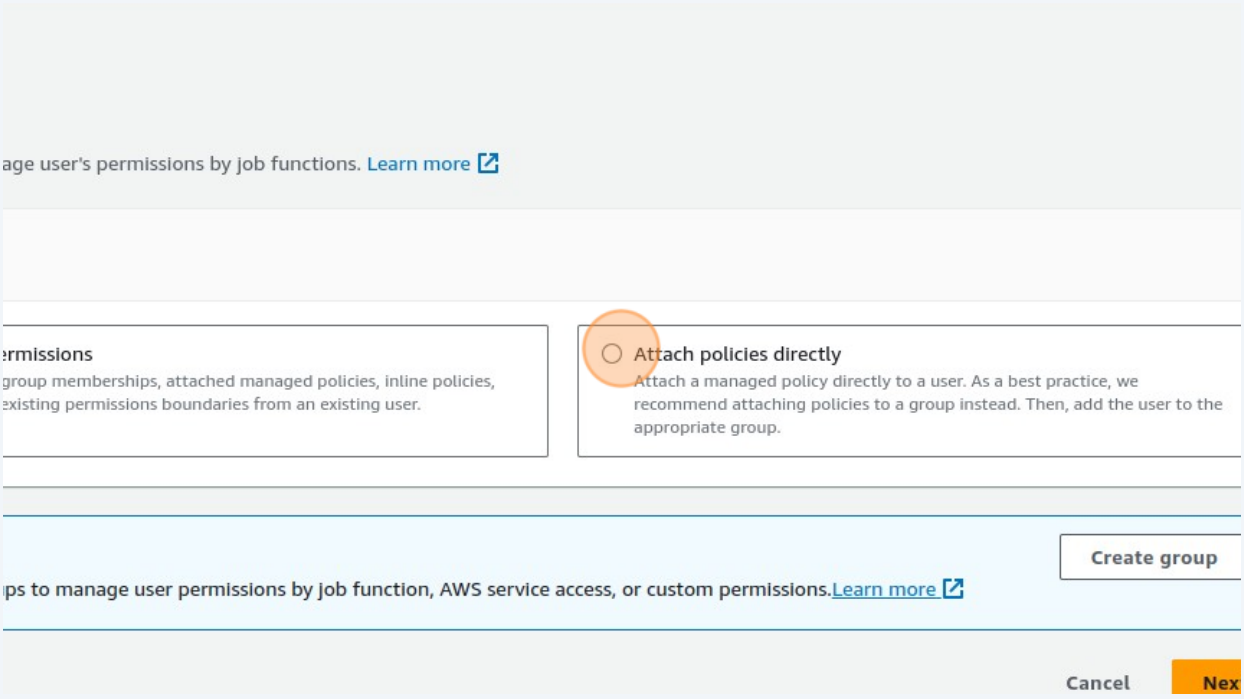
56 Click "Add permissions"



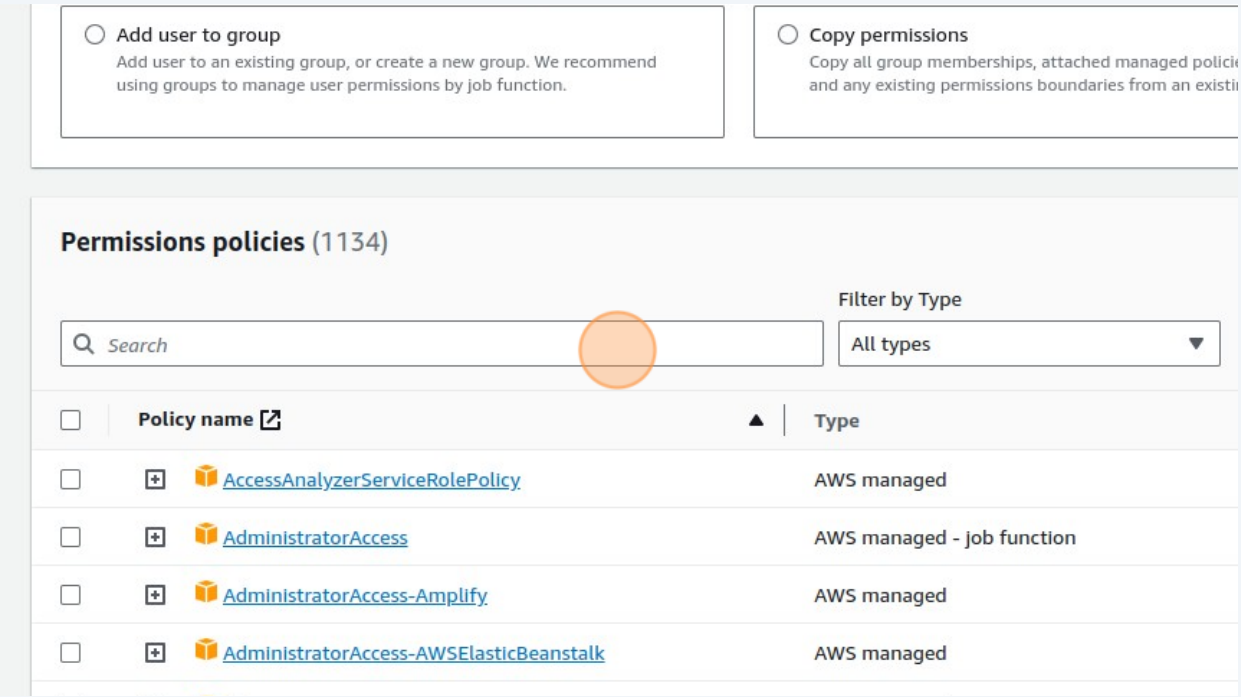
57 Click "Add permissions"



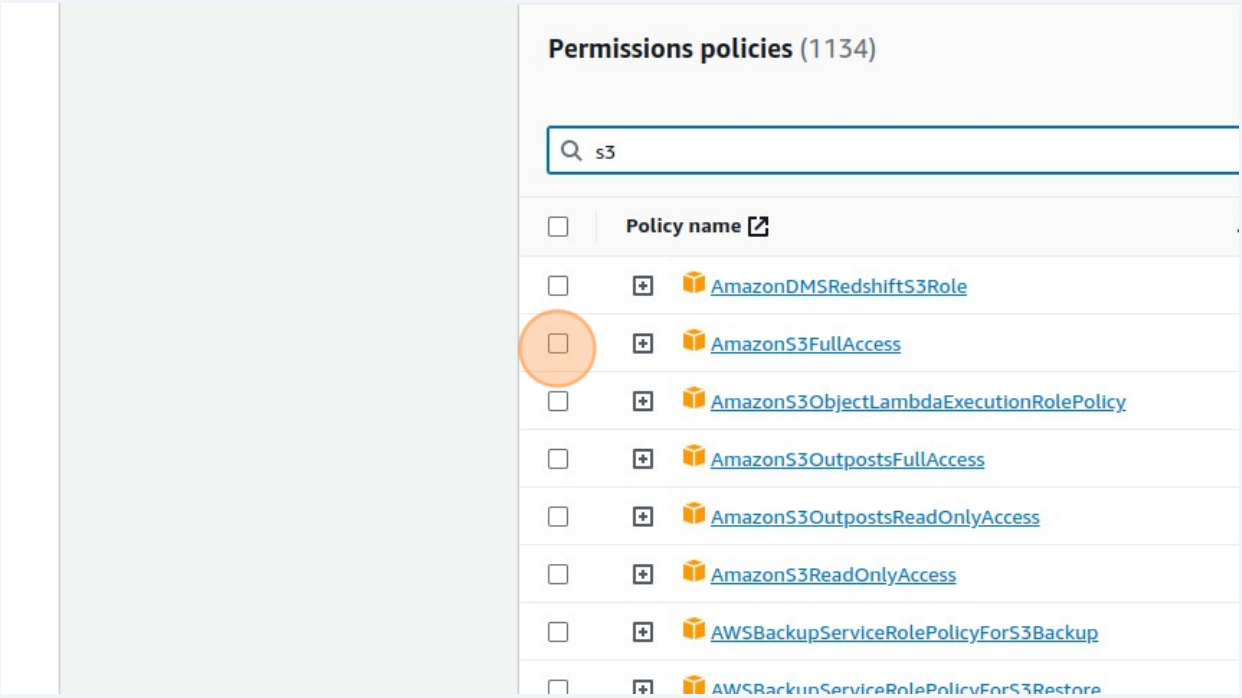
58 Click on "Attach policies directly"



59 Click the "Search" field. Type "s3"

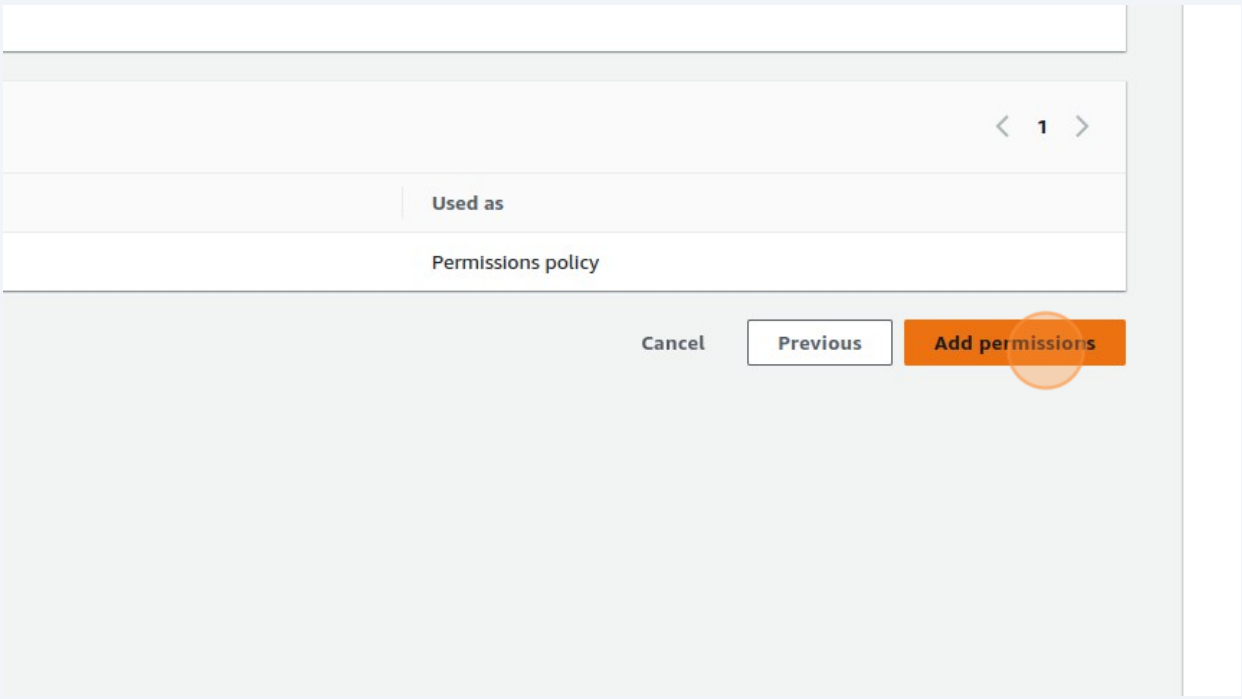


60 Click this checkbox.That means you are providing s3 services full access to our test user

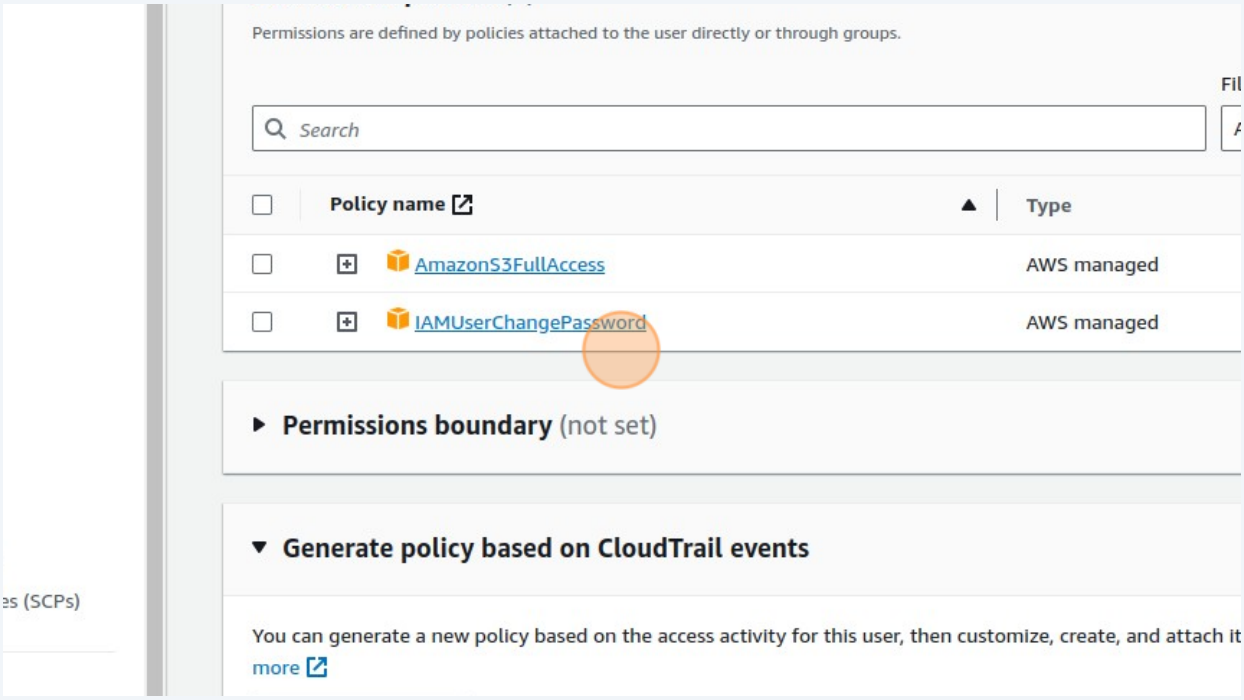


61 Click "Next"

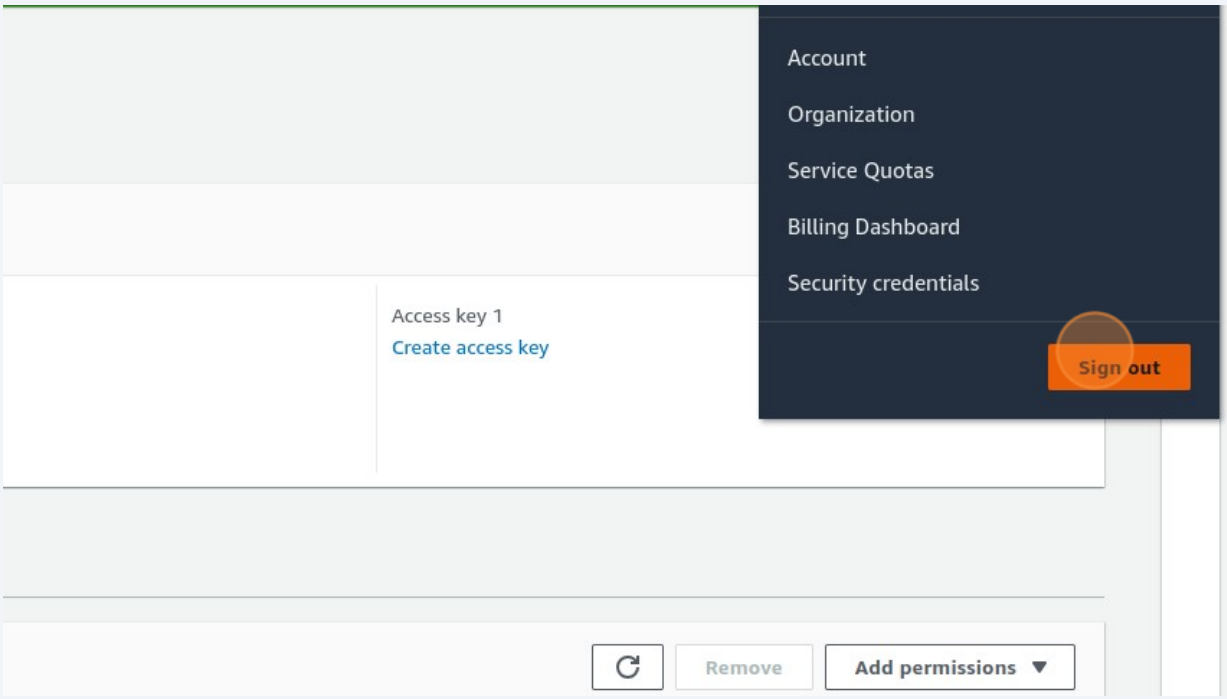
62 Click "Add permissions"



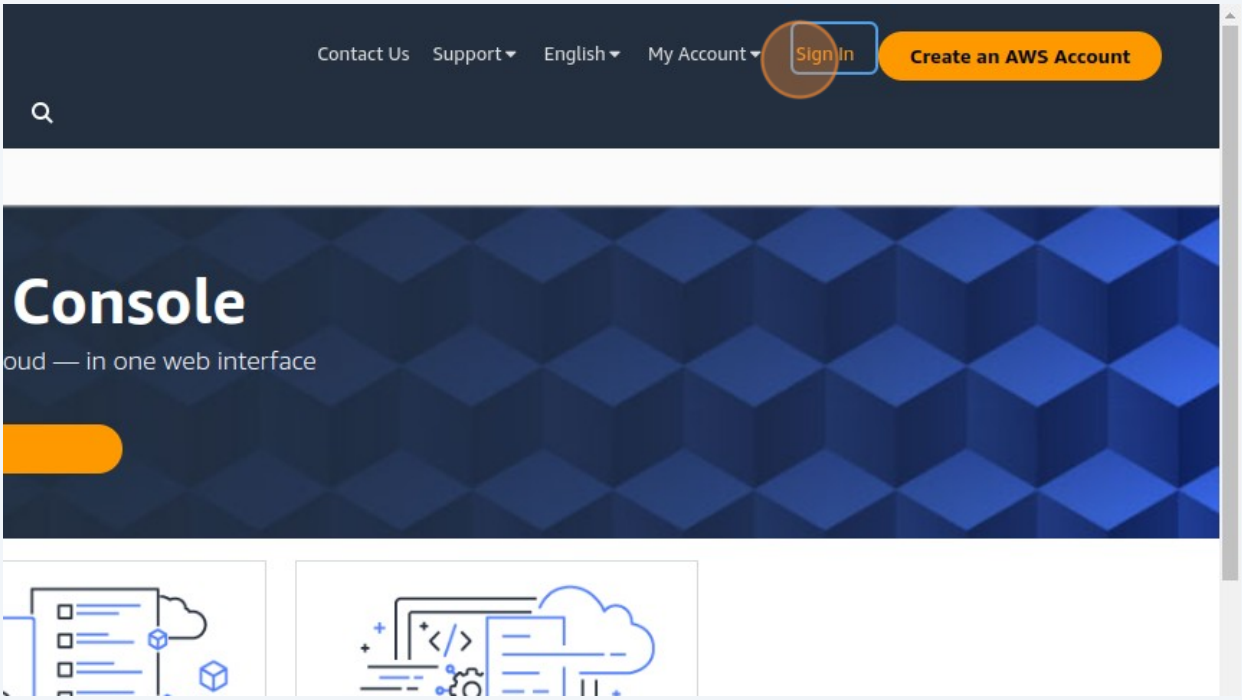
63 Now, you can see here,our new test user has got a new policy (s3)



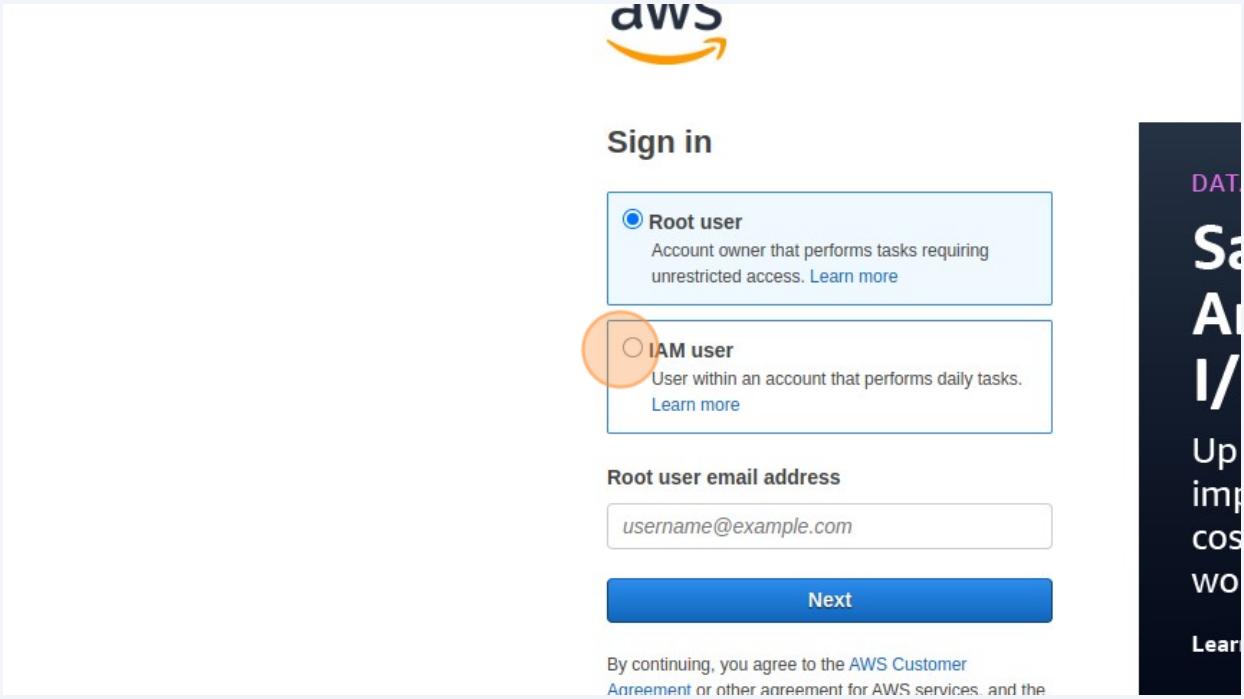
64 Now click on your Root account profile and Click "Sign out"



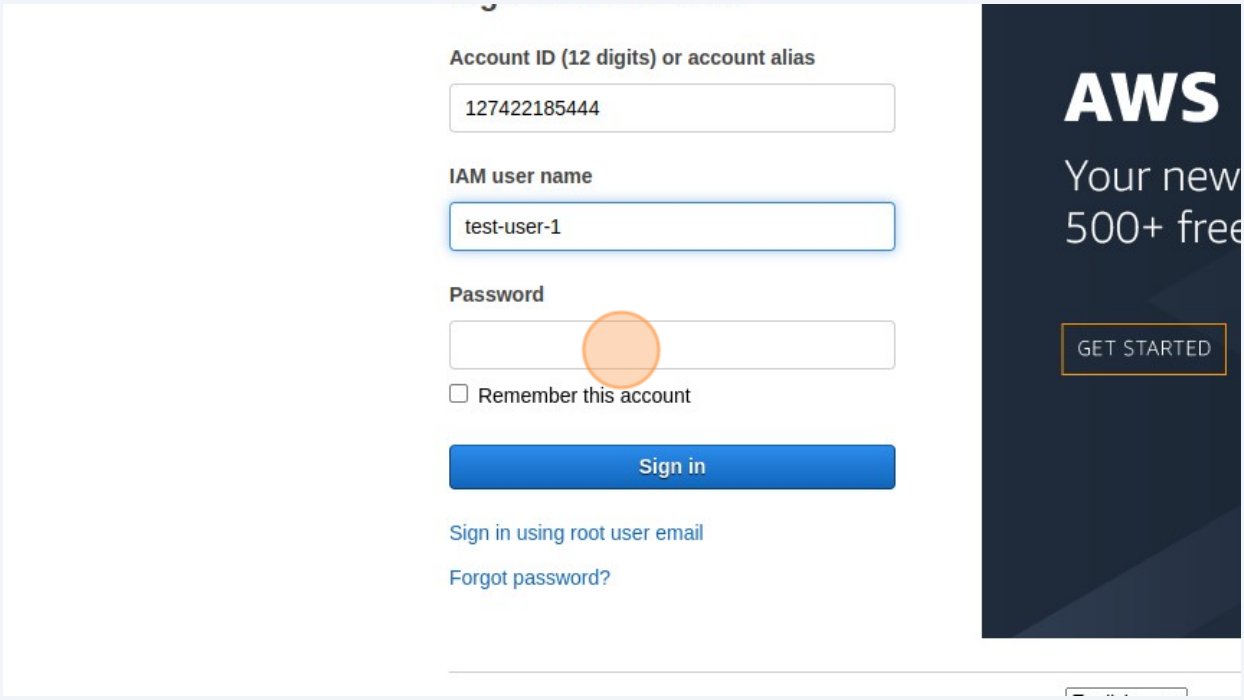
65 let's go to our test user account Click "Sign In"



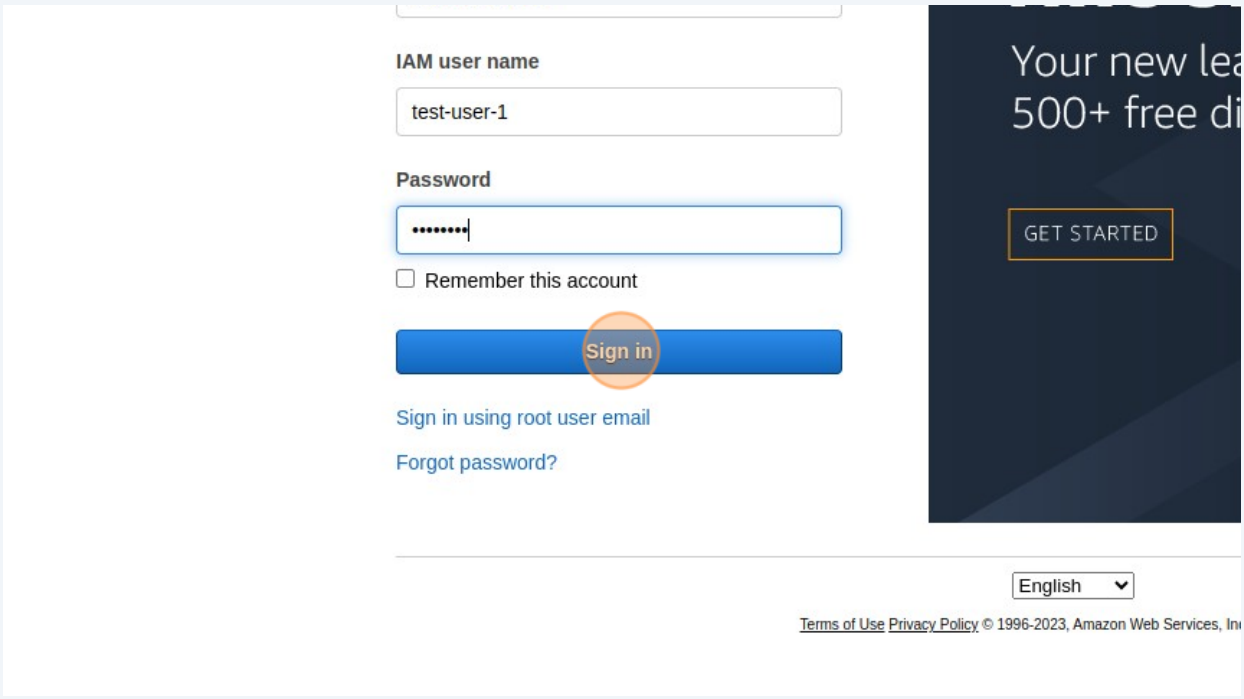
66 Click IAM user



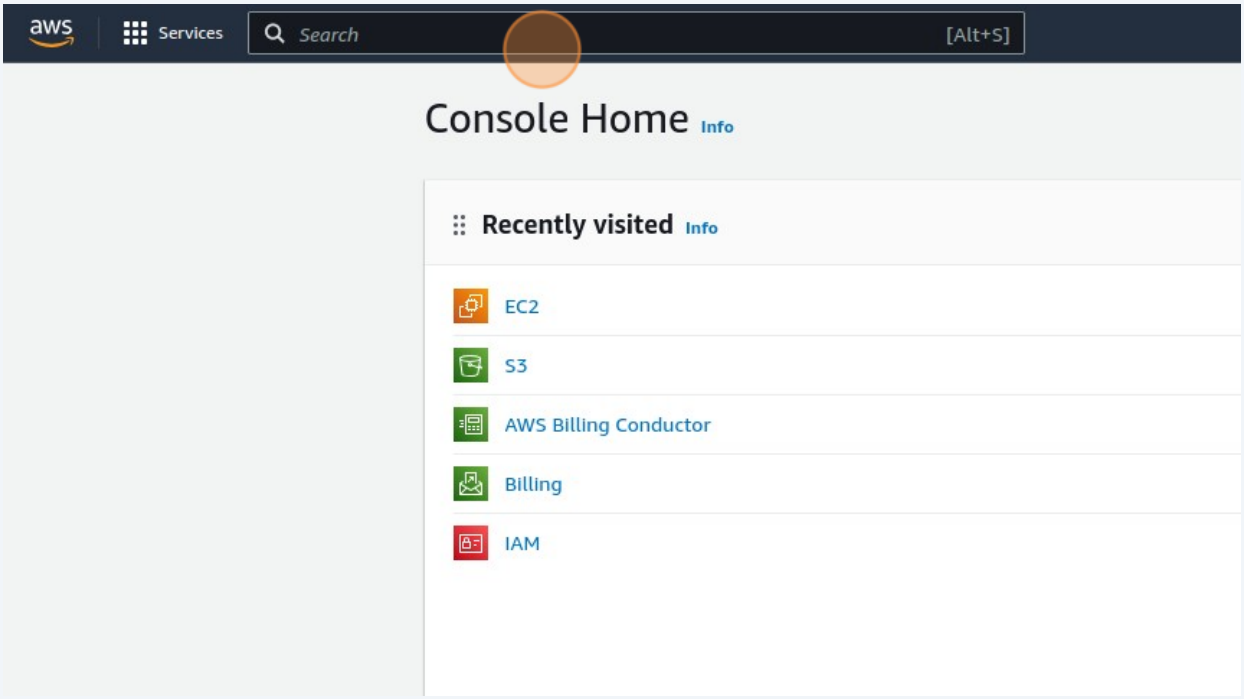
67 Enter your user account credentials



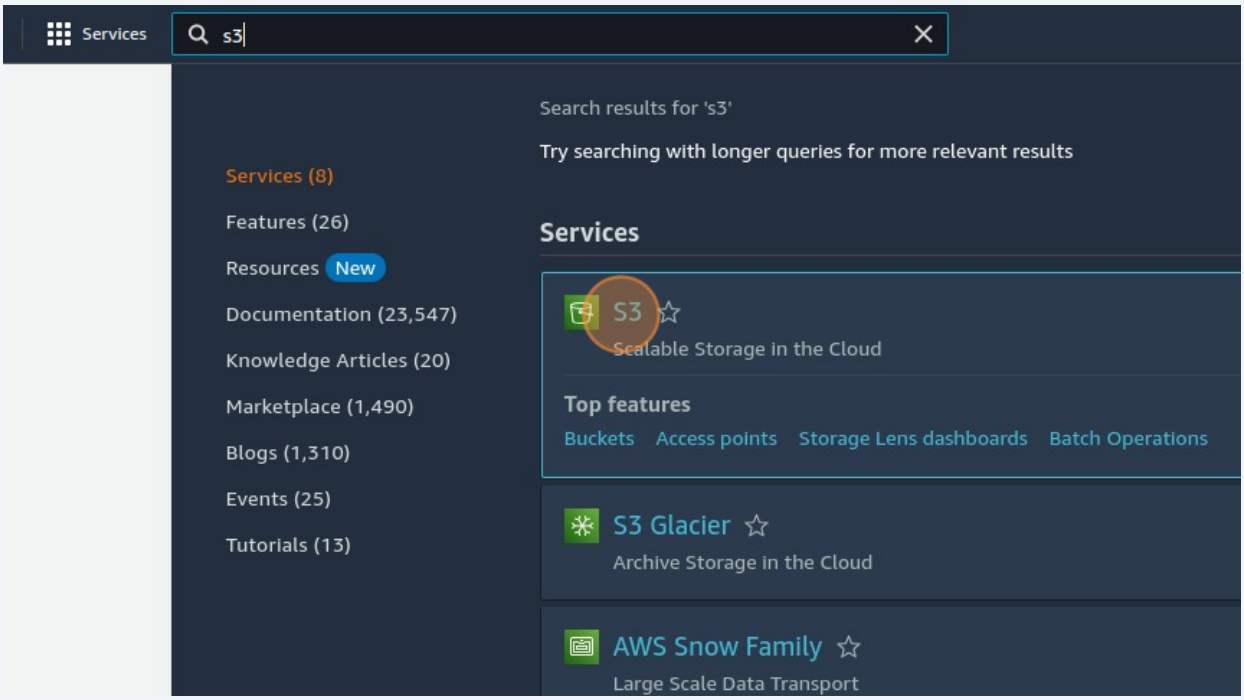
68 Click "Sign in"



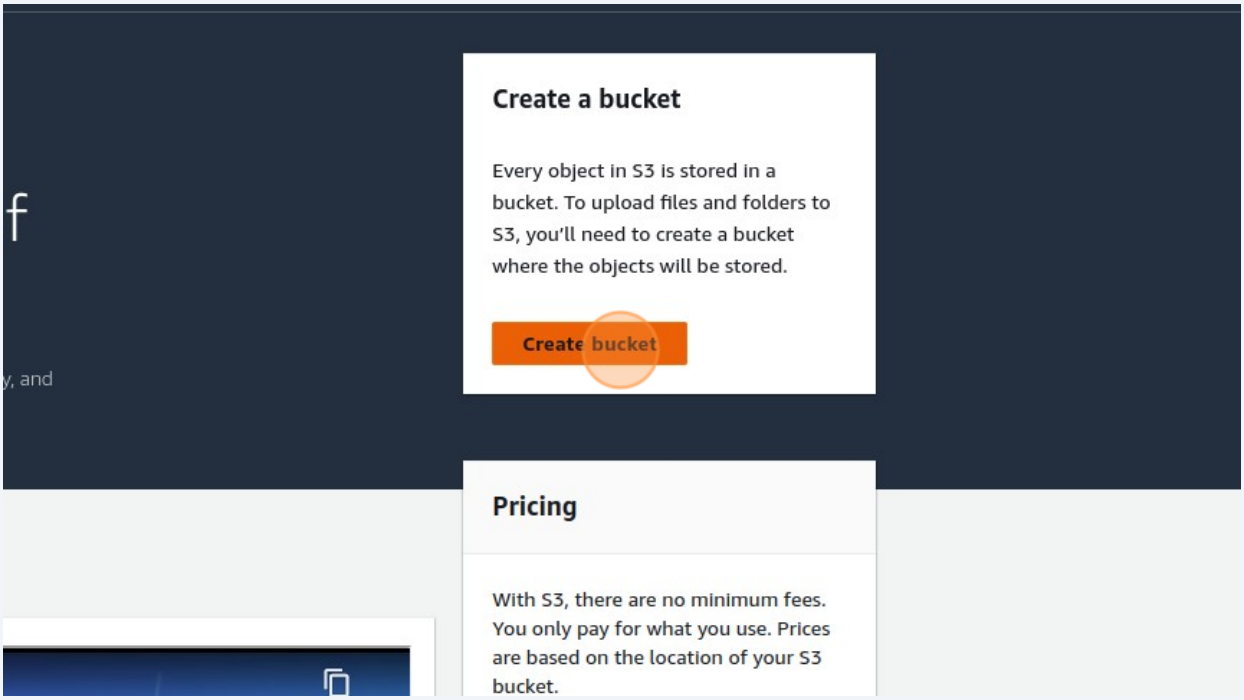
69 Click the "Search" field.Type "s3"



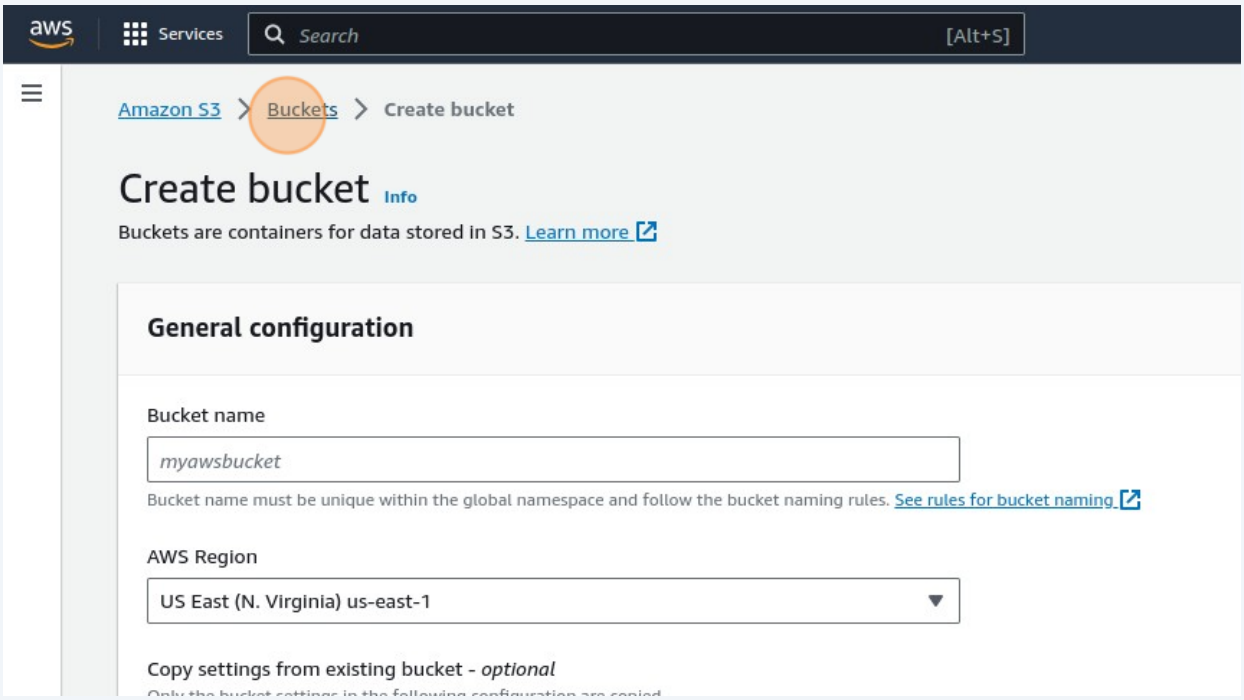
70 Click "S3"



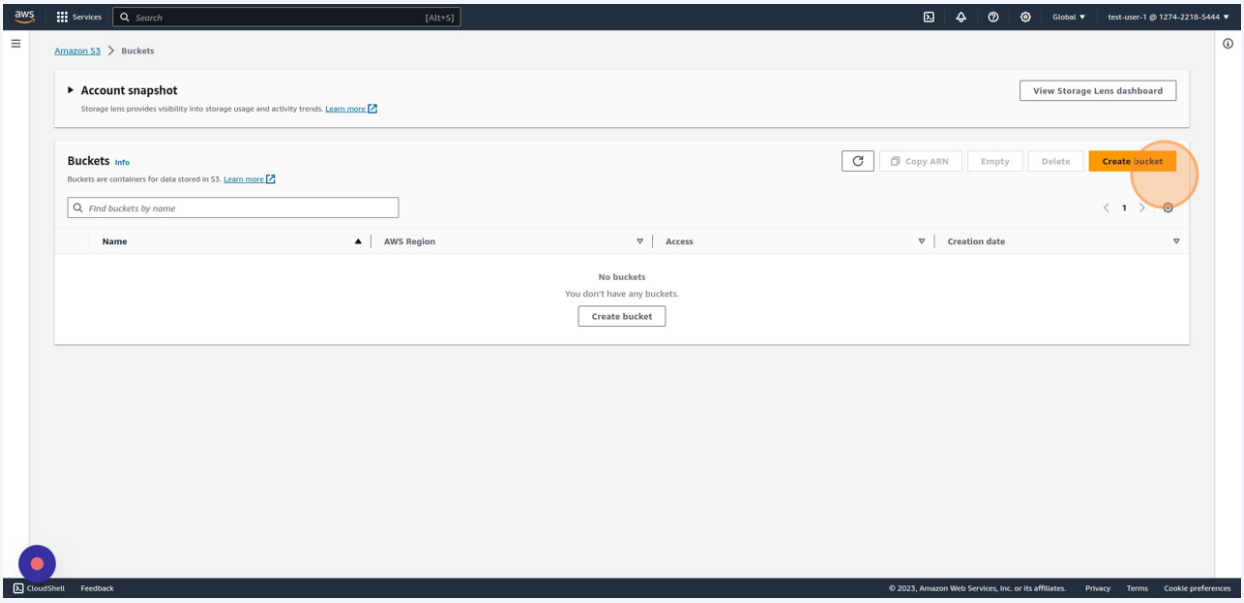
71 Click "Create bucket"



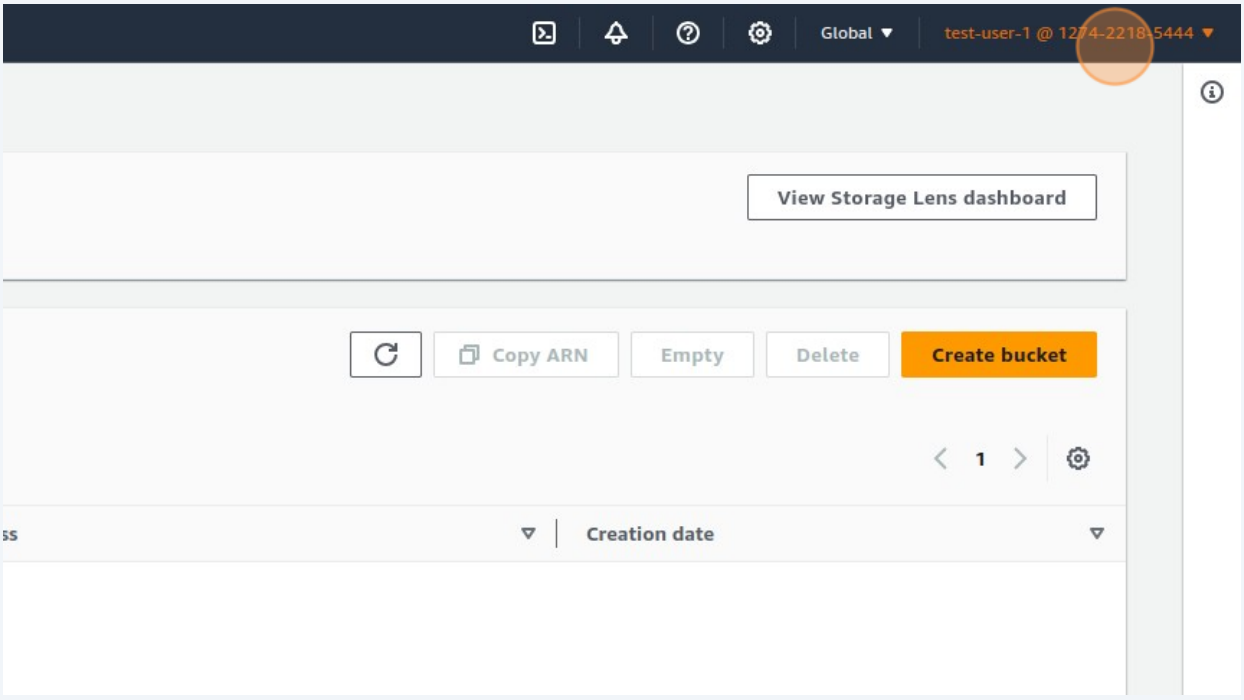
72 Click "Buckets"



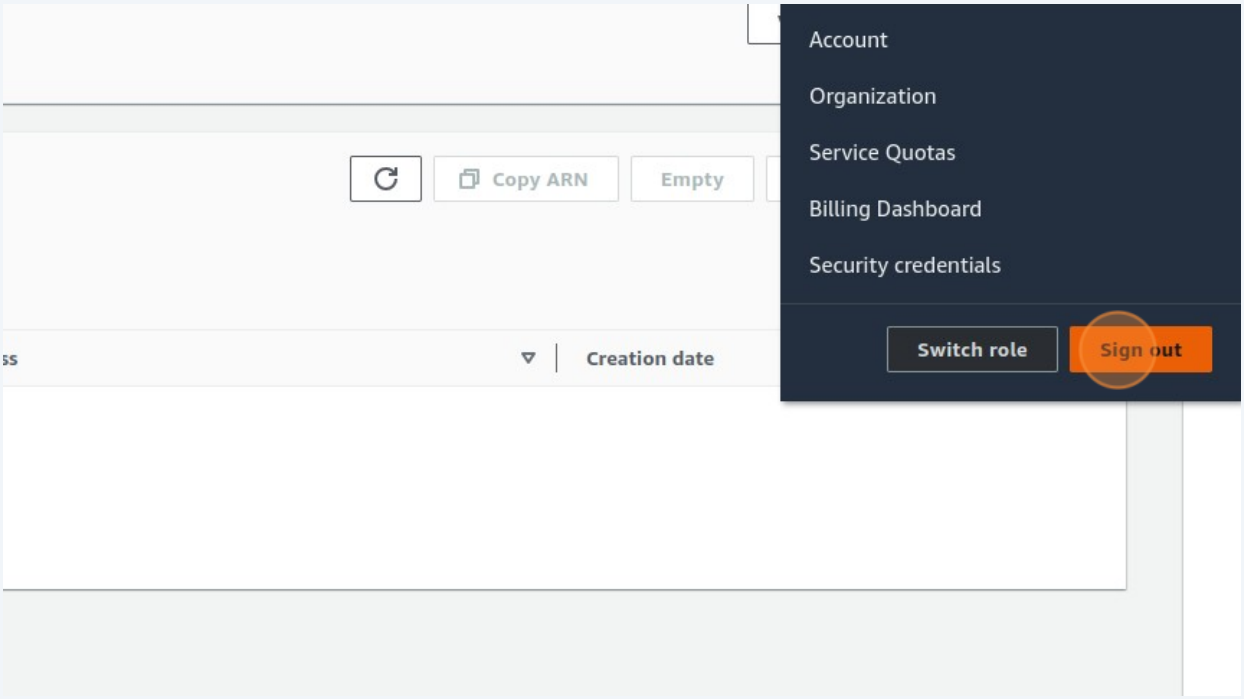
73 Now you can observe ,the test-user have full access to s3.Now the user can perform any action on s3 service.



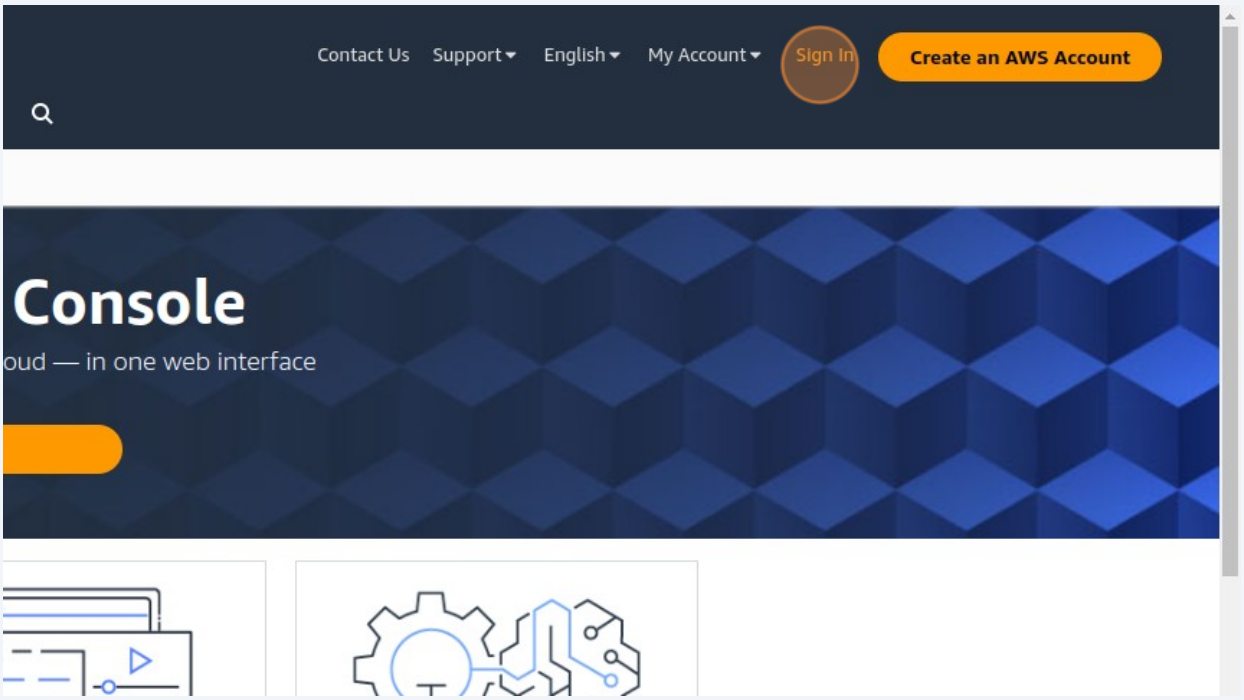
74 Click "test-user-1 @ 1274-2218-5444" (profile account)



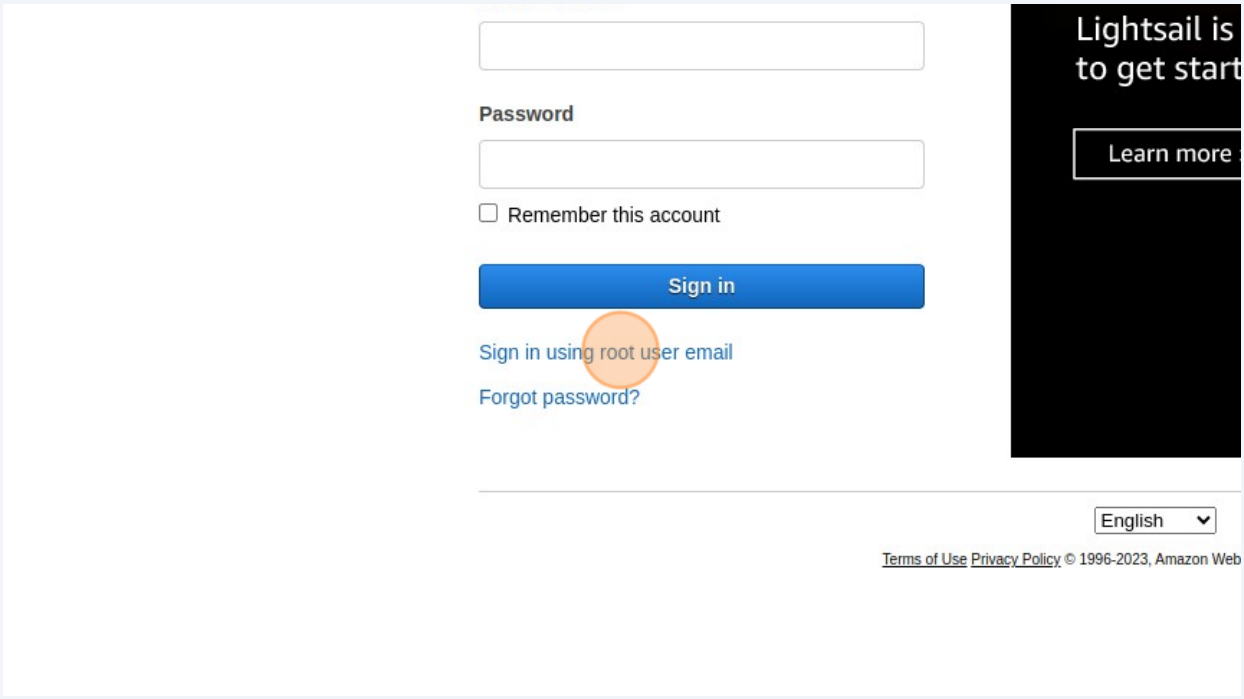
75 Click "Sign out"



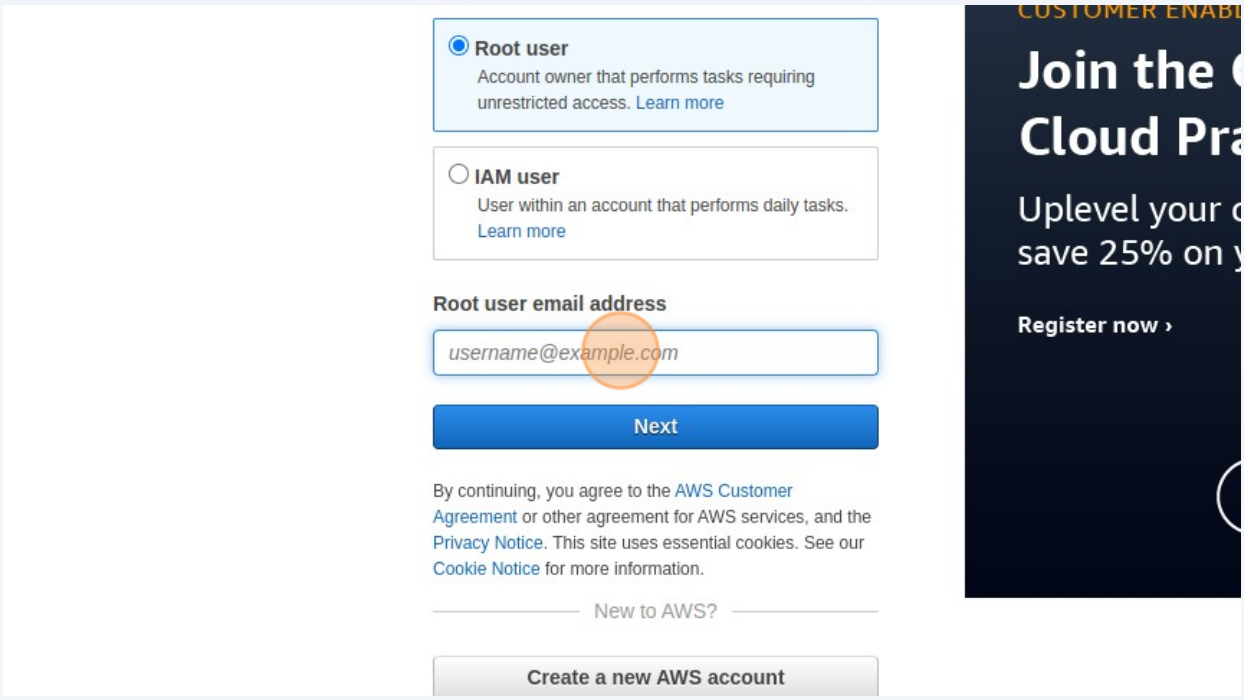
76 Click "Sign In"



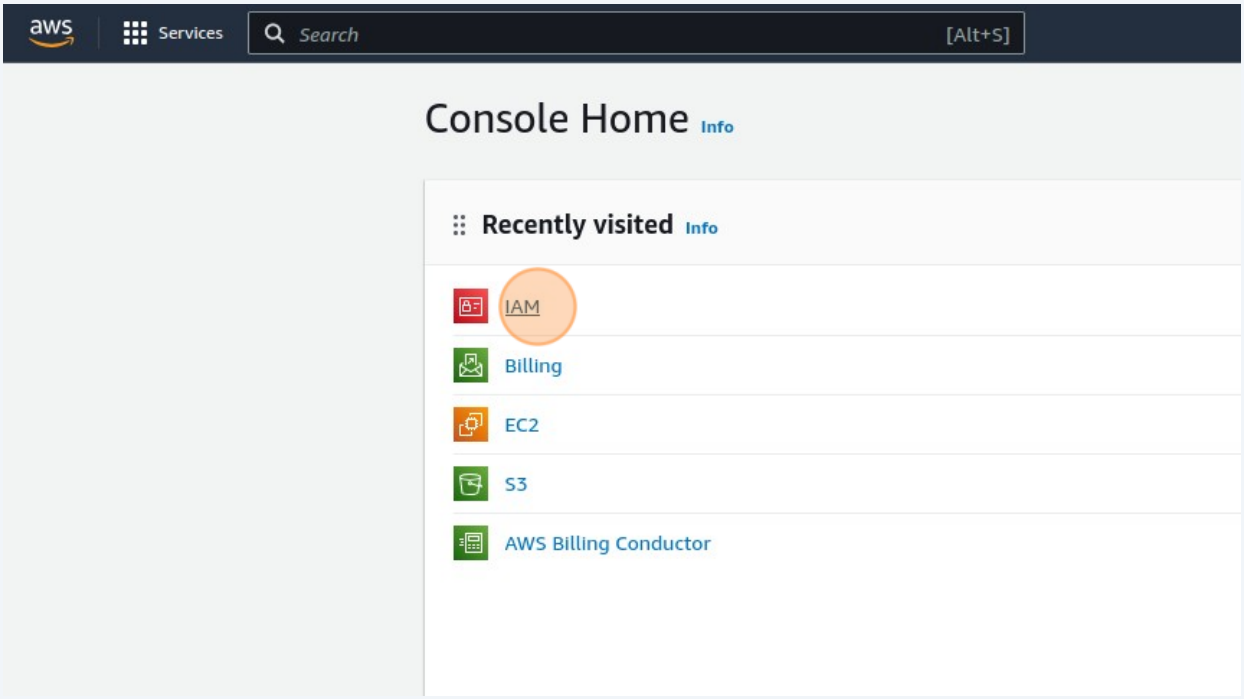
77 Click "Sign in using root user email"



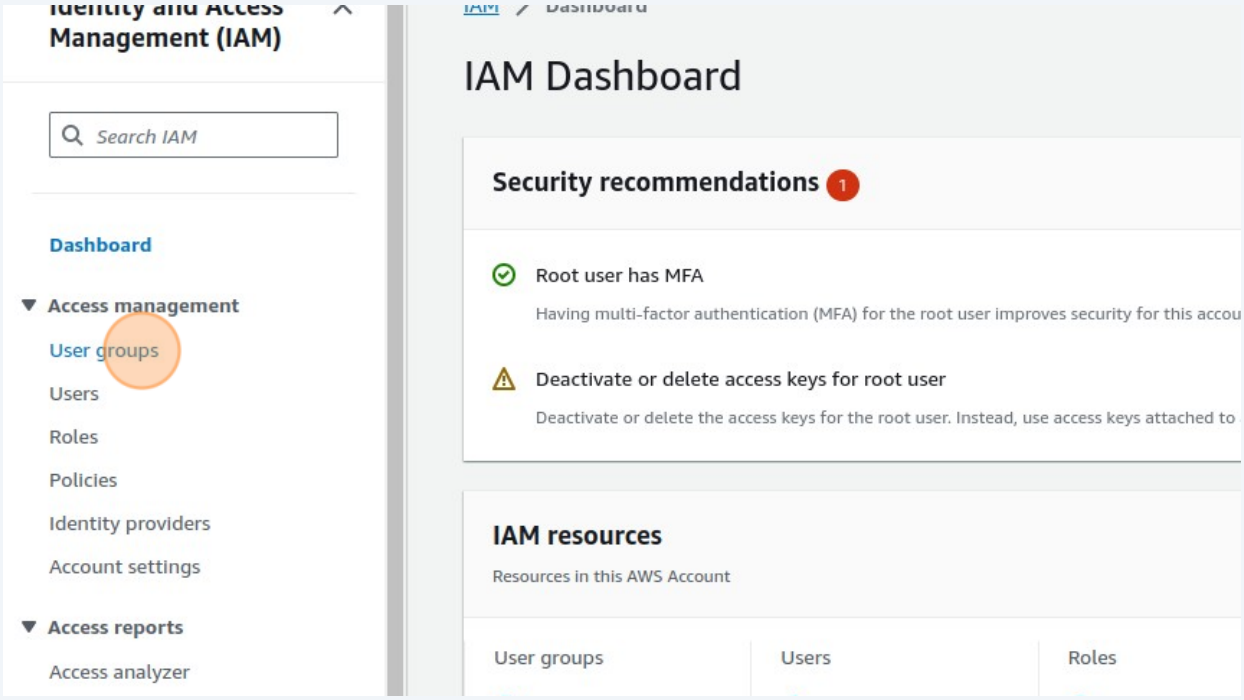
78 Enter into your Root Account,Now we are going to see that how we can create a users group



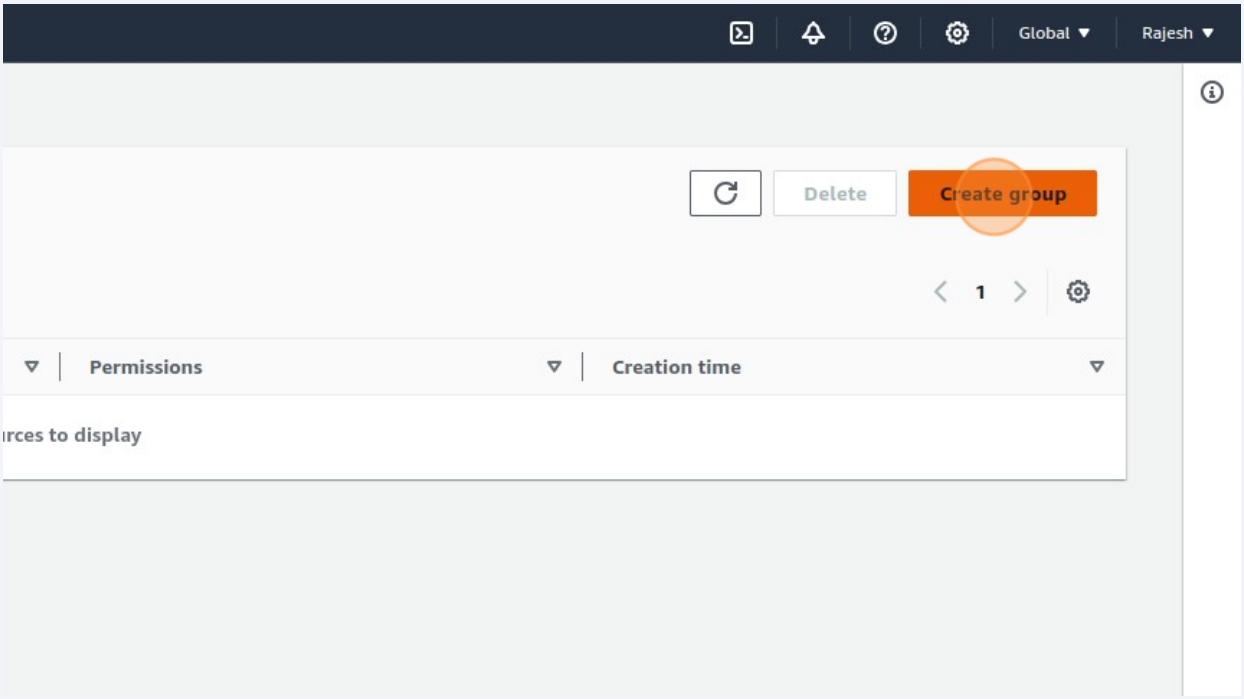
79 Click "IAM"



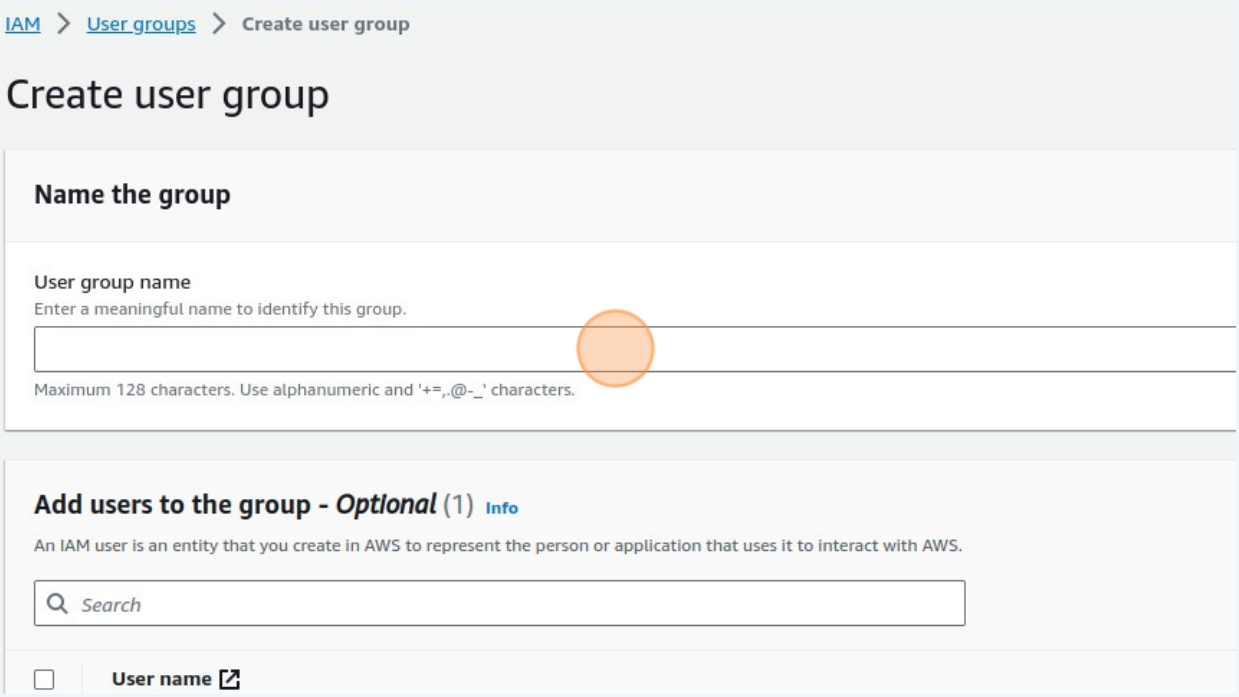
80 Click "User groups"



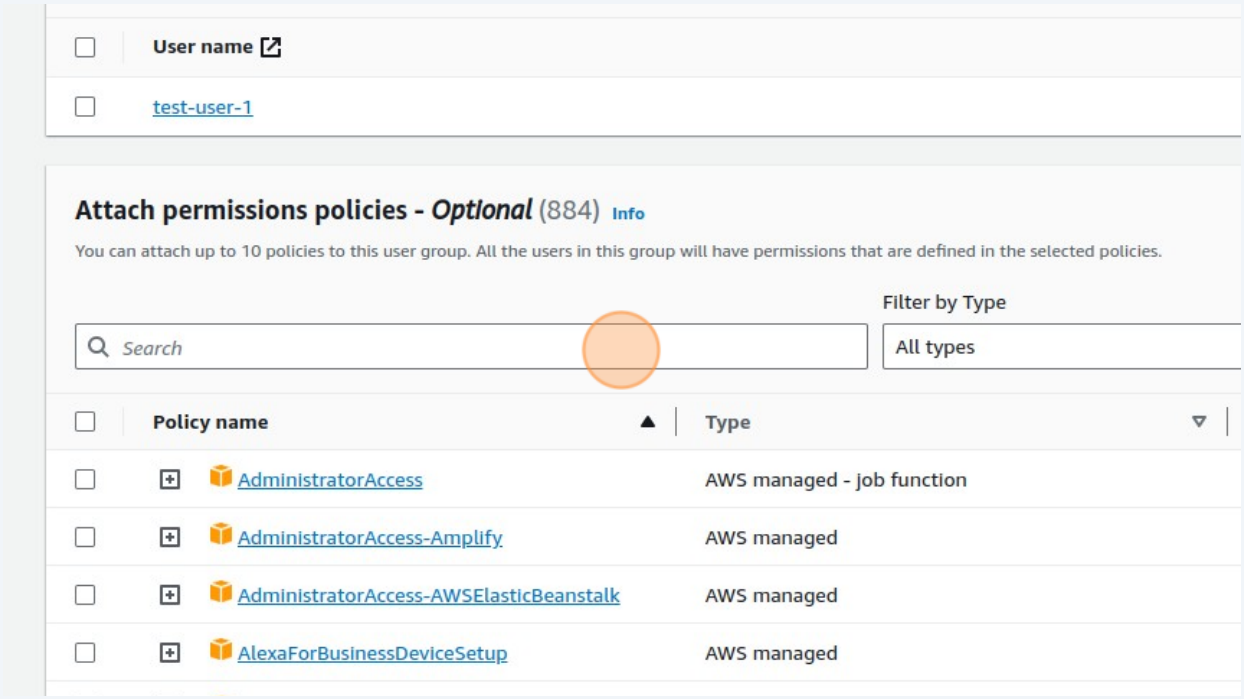
81 Click "Create group"



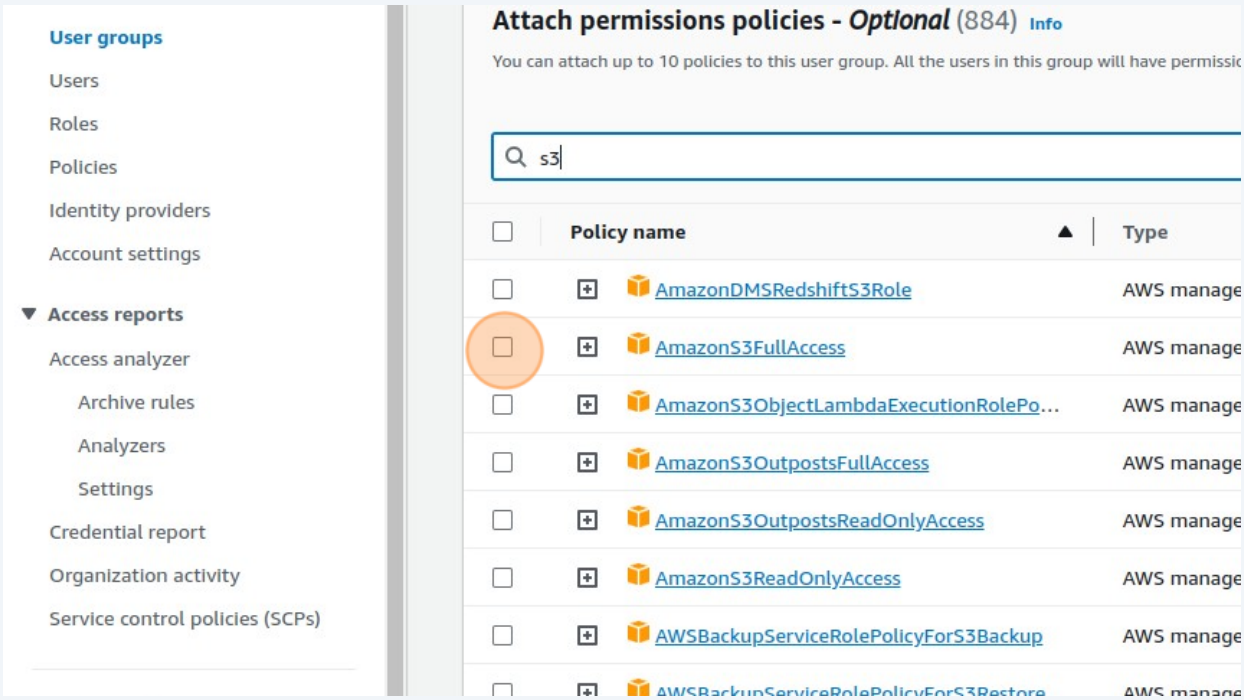
82 Click the "User group name" field.Enter your group name and skip adding users to group . we will add users after creating the group.



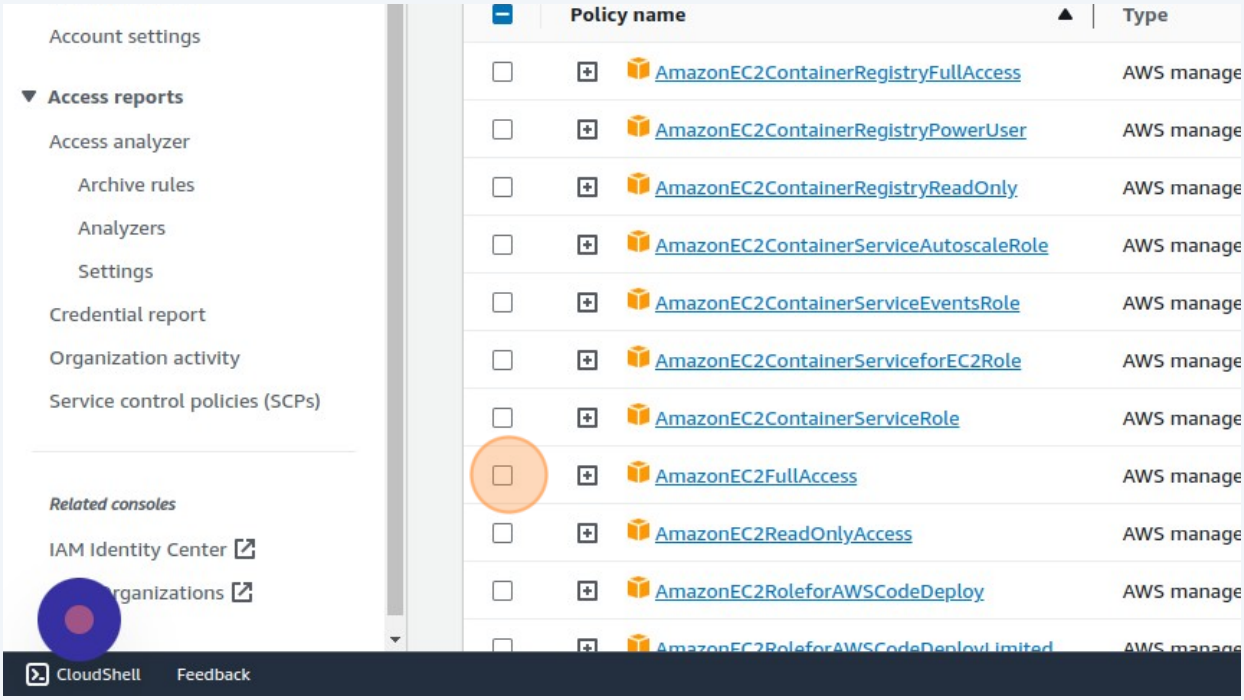
83 Click the "Search" field.Here you can add permissions policies to our group .It will be applied to all our group users



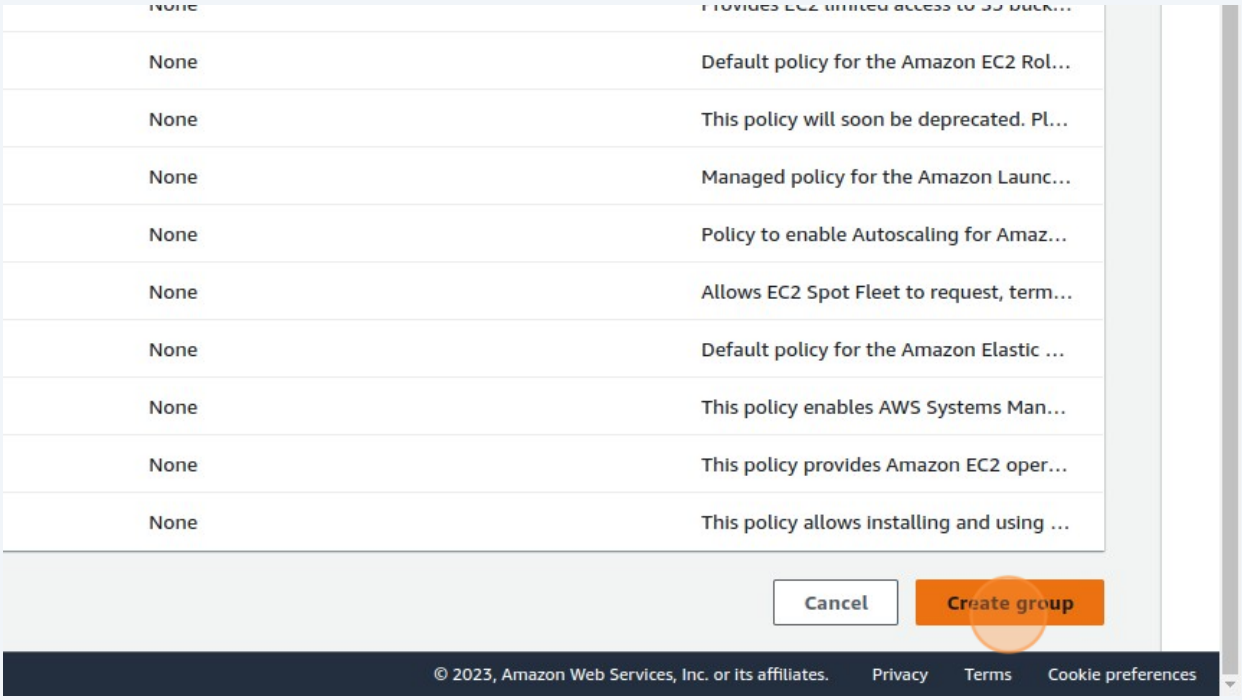
84 Type "s3".Click this checkbox.



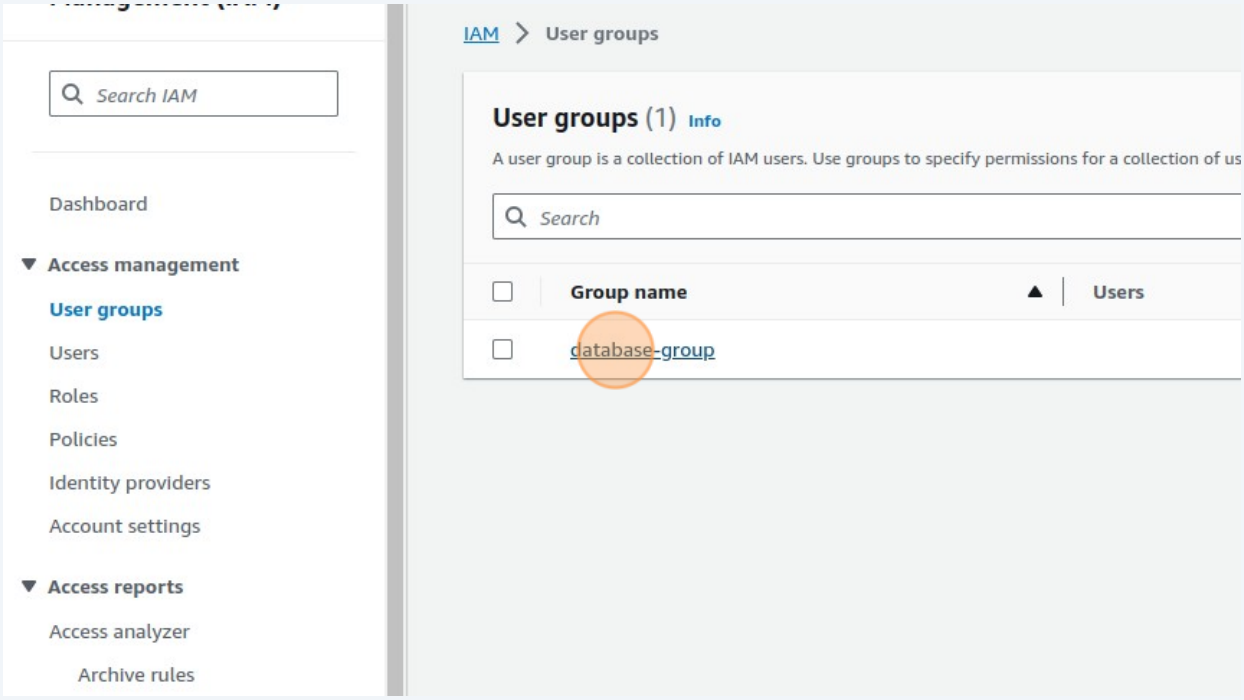
85 Type "ec2"Click this checkbox.



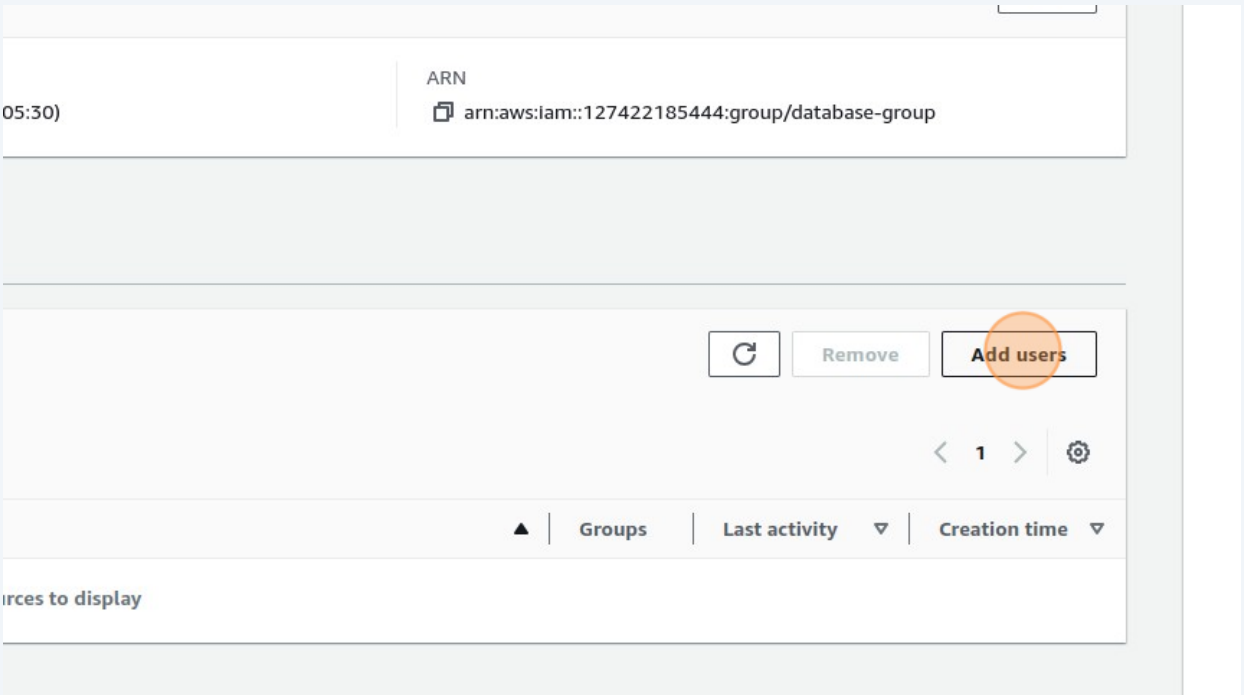
86 Click "Create group"



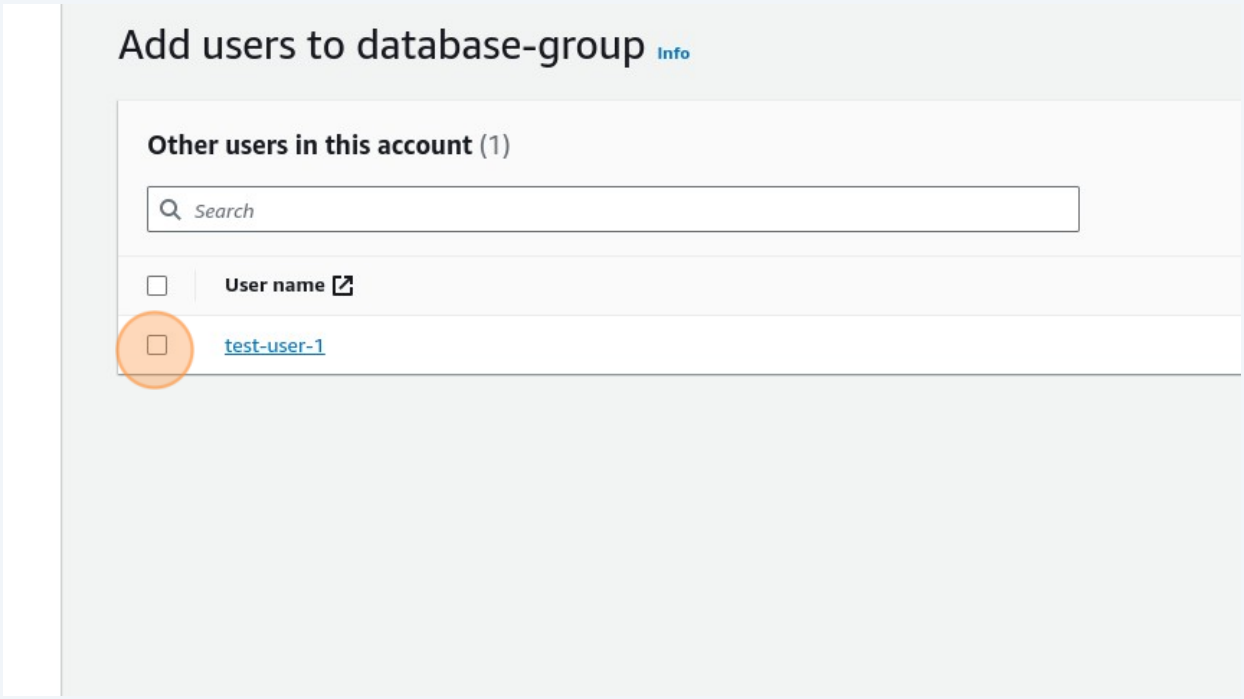
87 A new user group is created .Click "database-group"



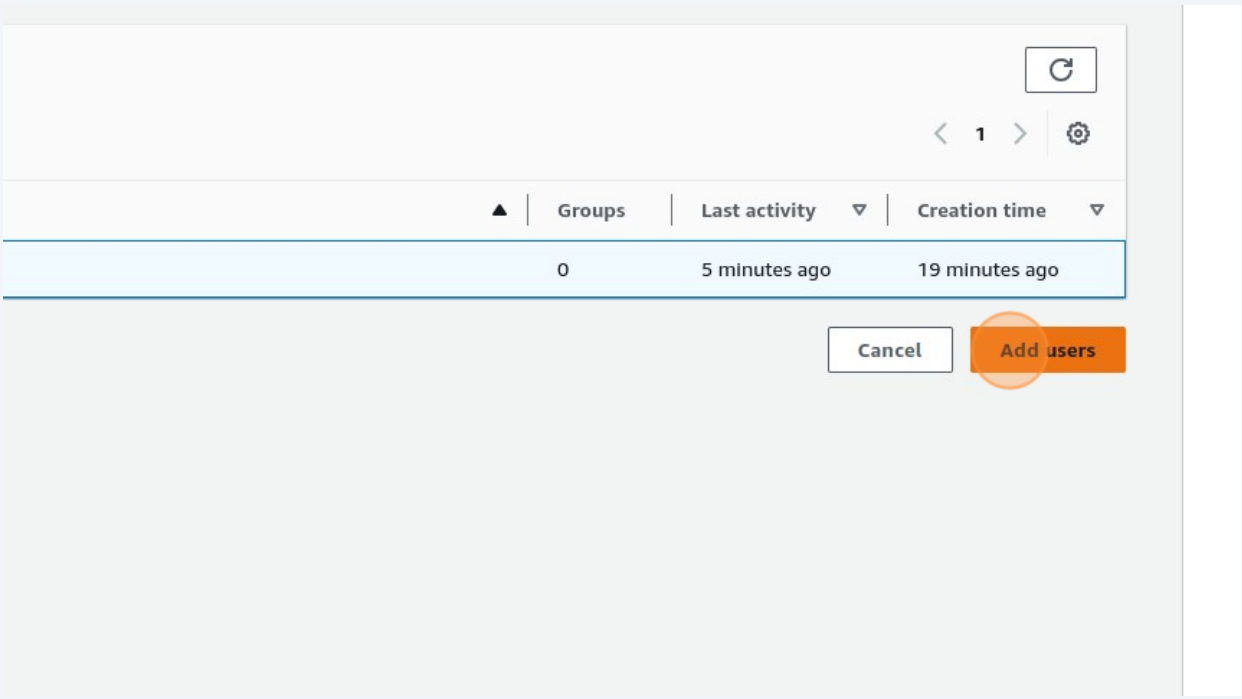
88 Click "Add users"



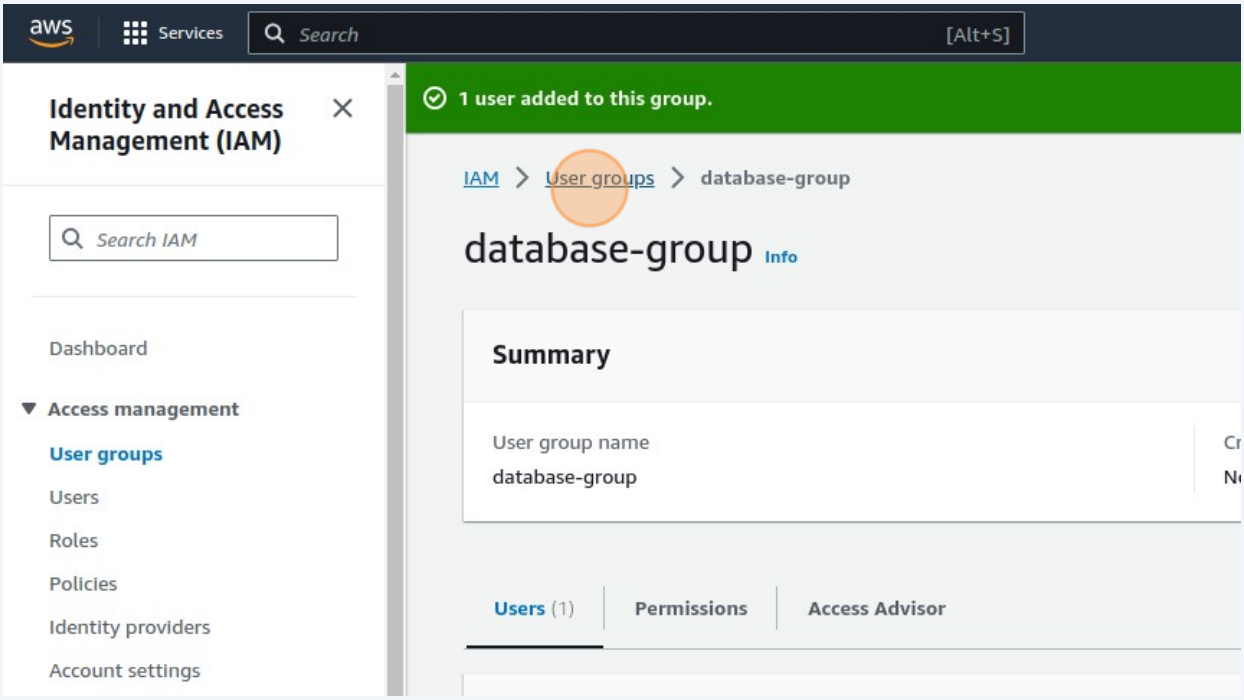
89 we will select our test-user-1



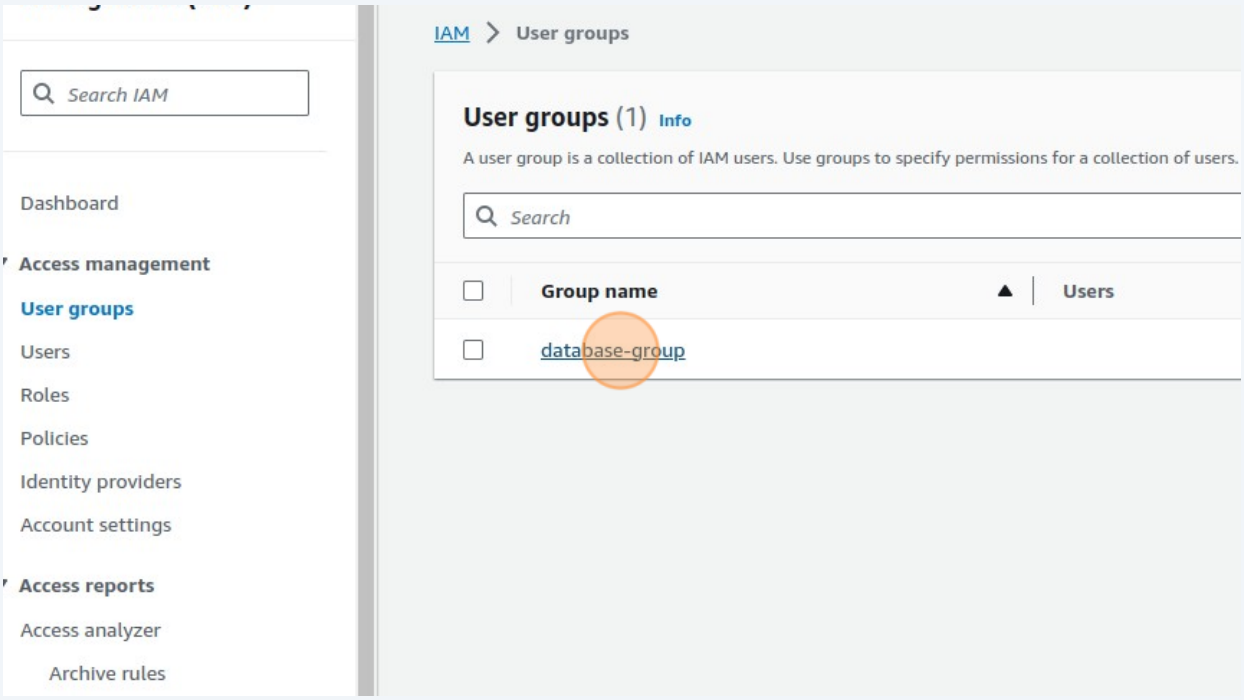
90 Click "Add users"



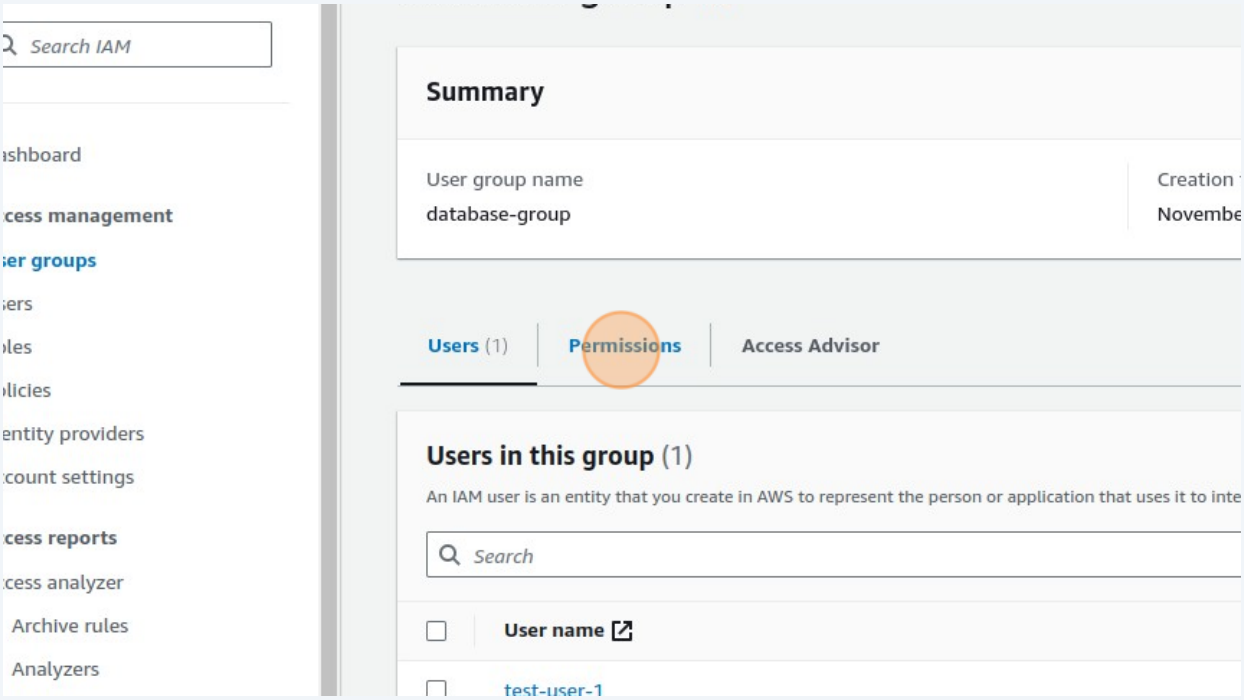
91 Click "User groups"



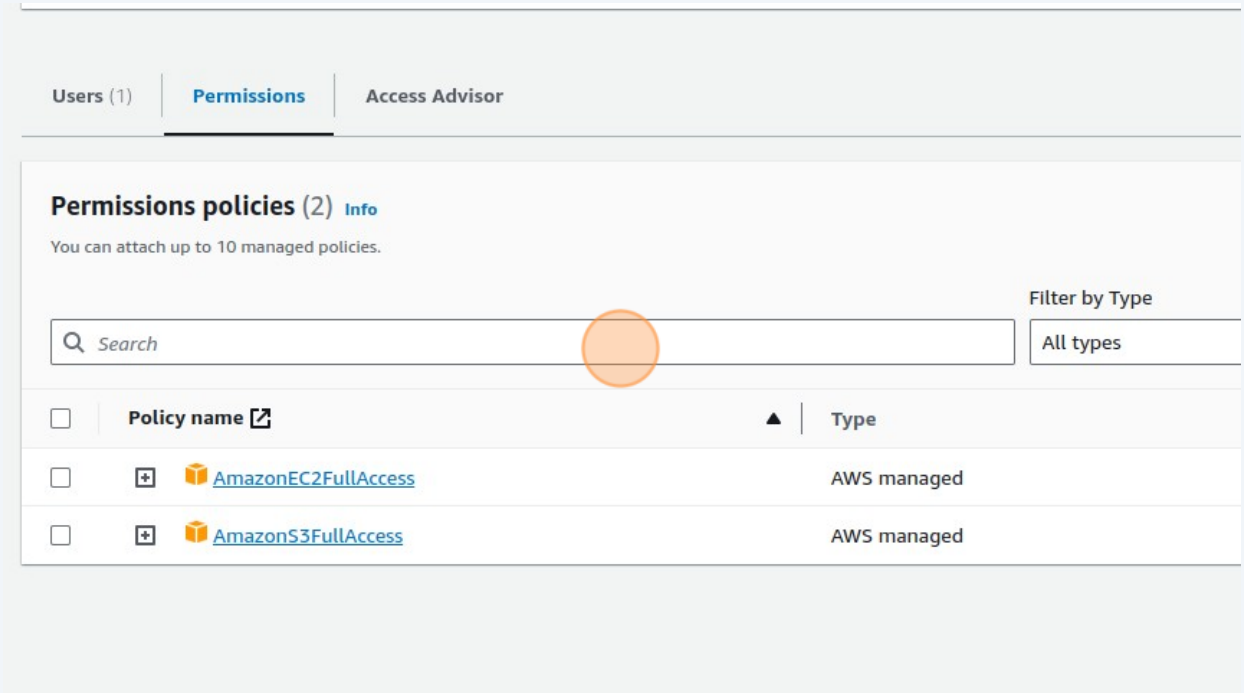
92 Click "database-group"



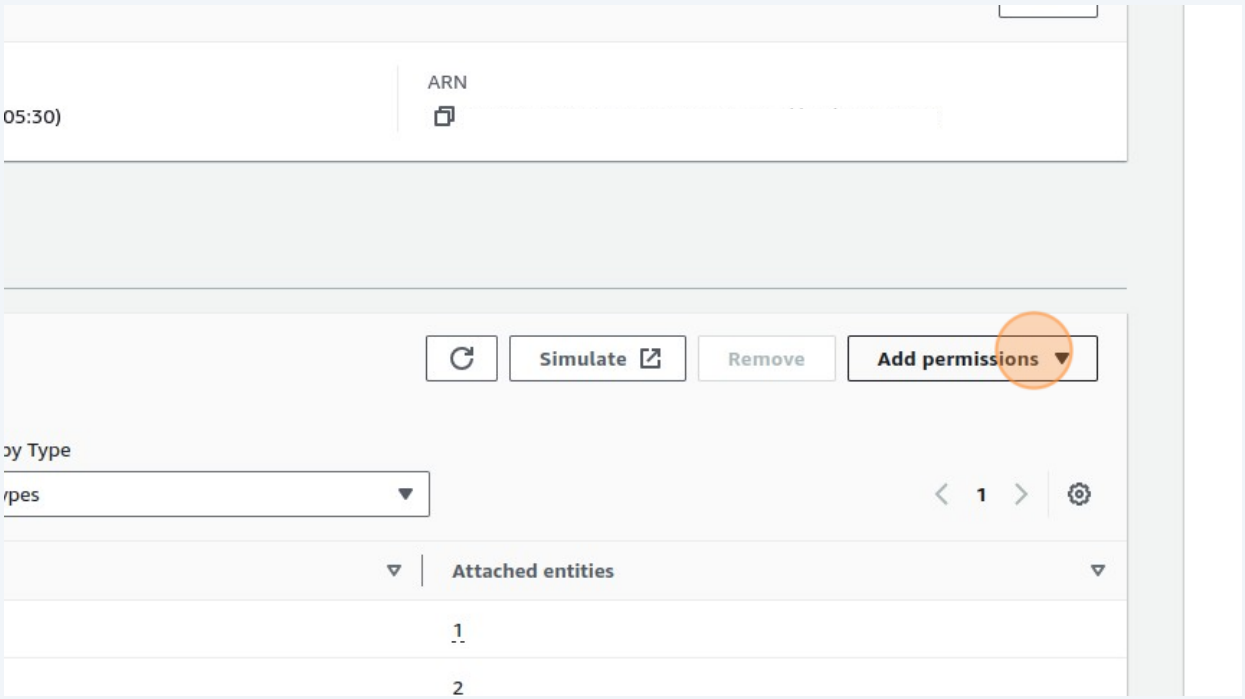
93 Click "Permissions"



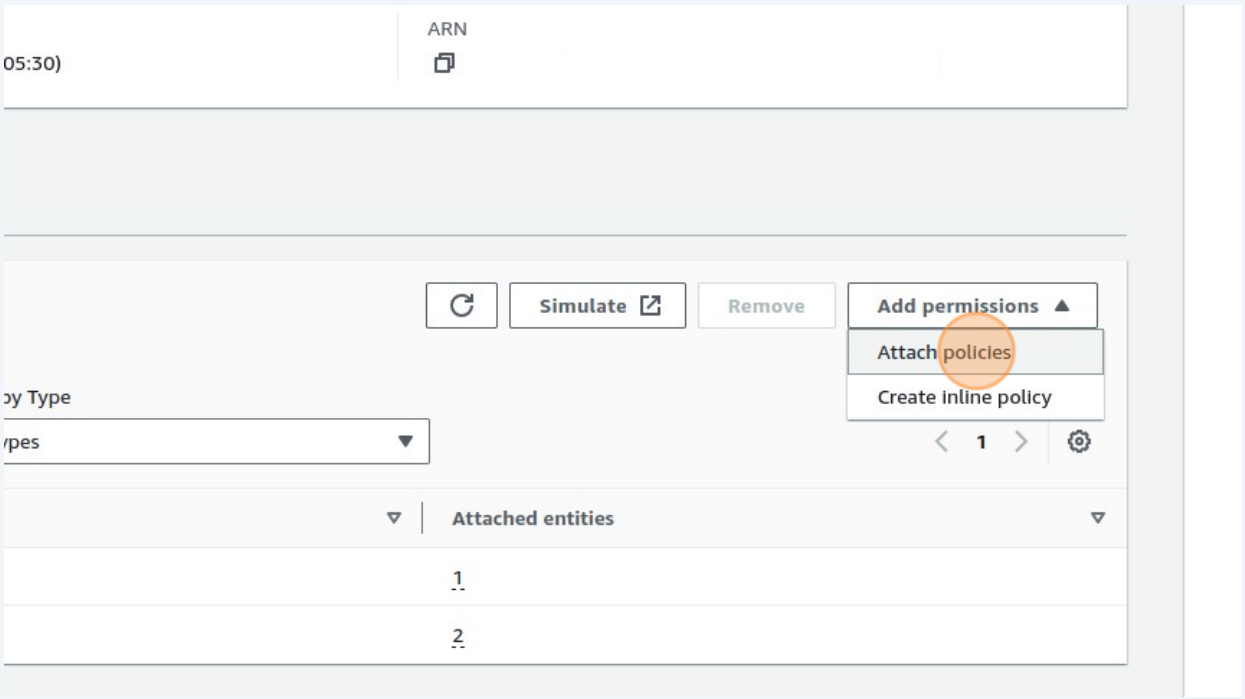
94 here you can find out what permissions ,we have provided to our users in the group



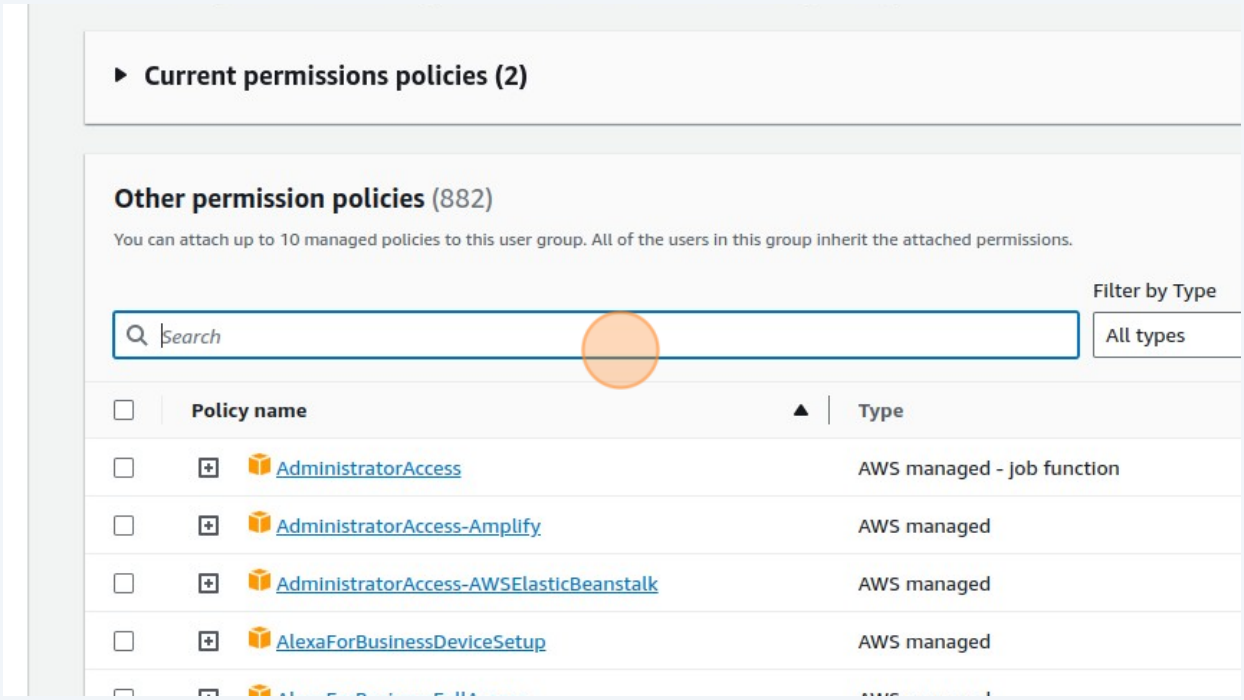
95 If you want to add a new permission.Instead of going to every user and providing permission you can provide the permission easily in this group.Click "Add permissions"



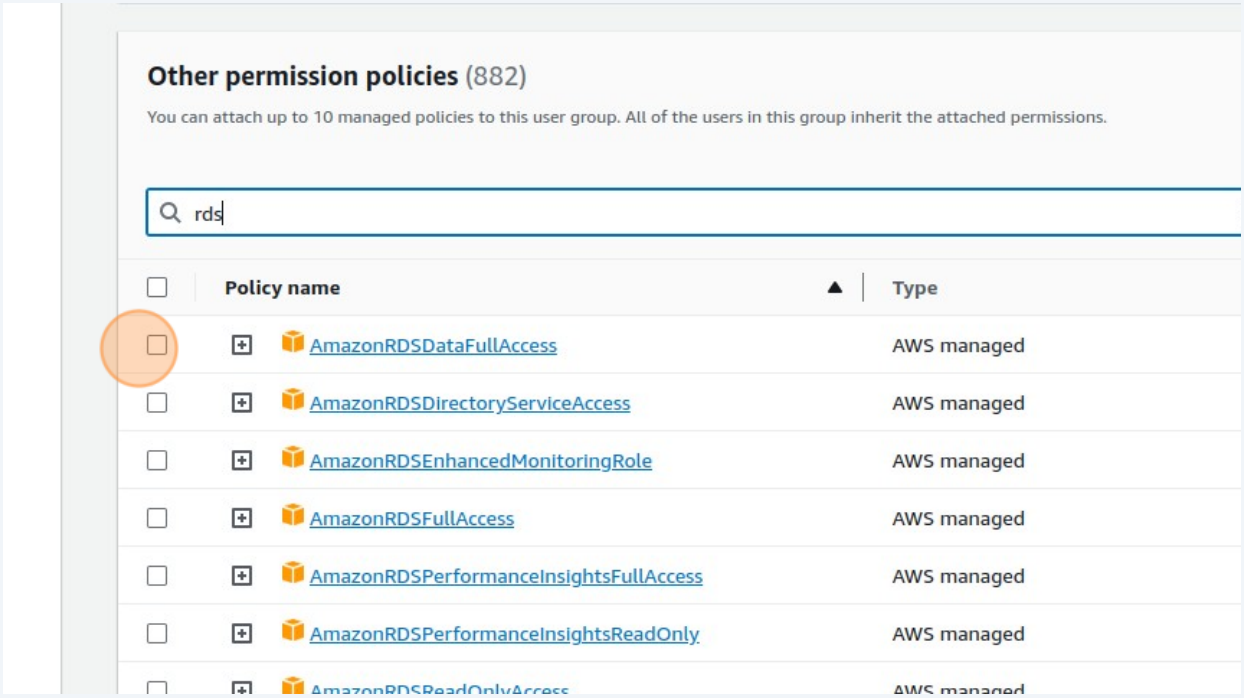
96 Click "Attach policies"



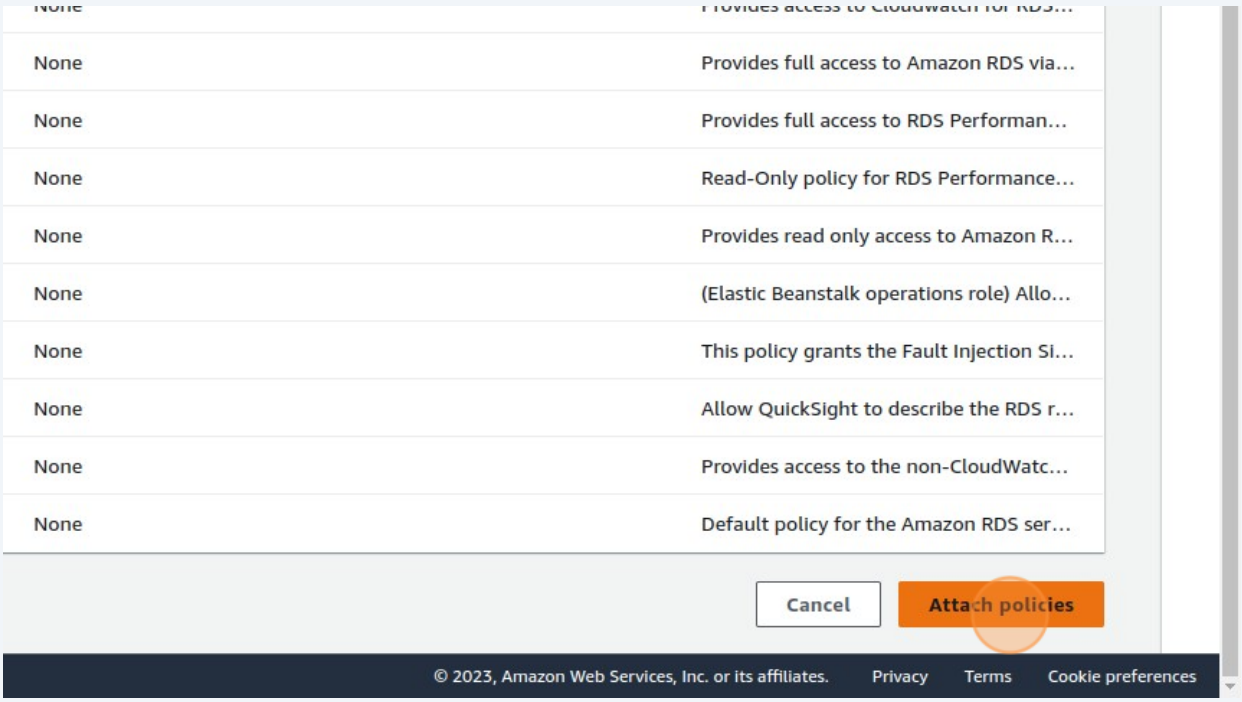
97 Click the "Search" field. Type "rds" .Now we are going to provide RDS service access to the users



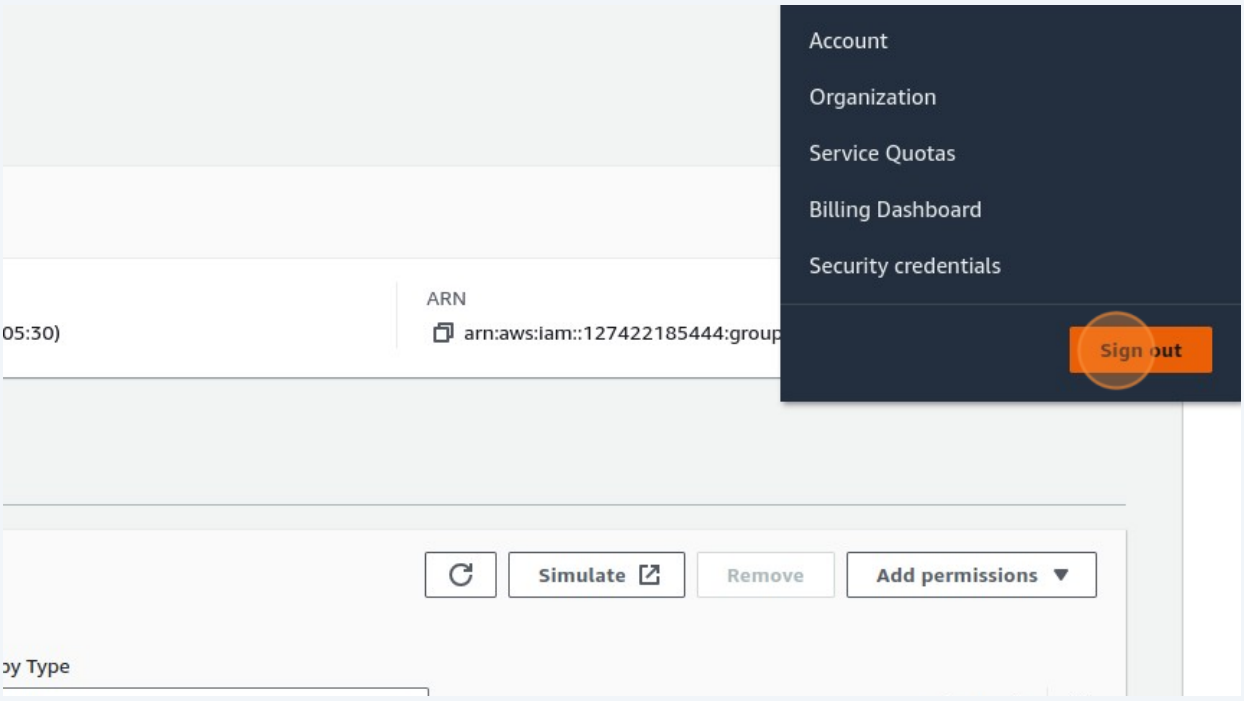
98 Click "Select data for AmazonRDSDataFullAccess"



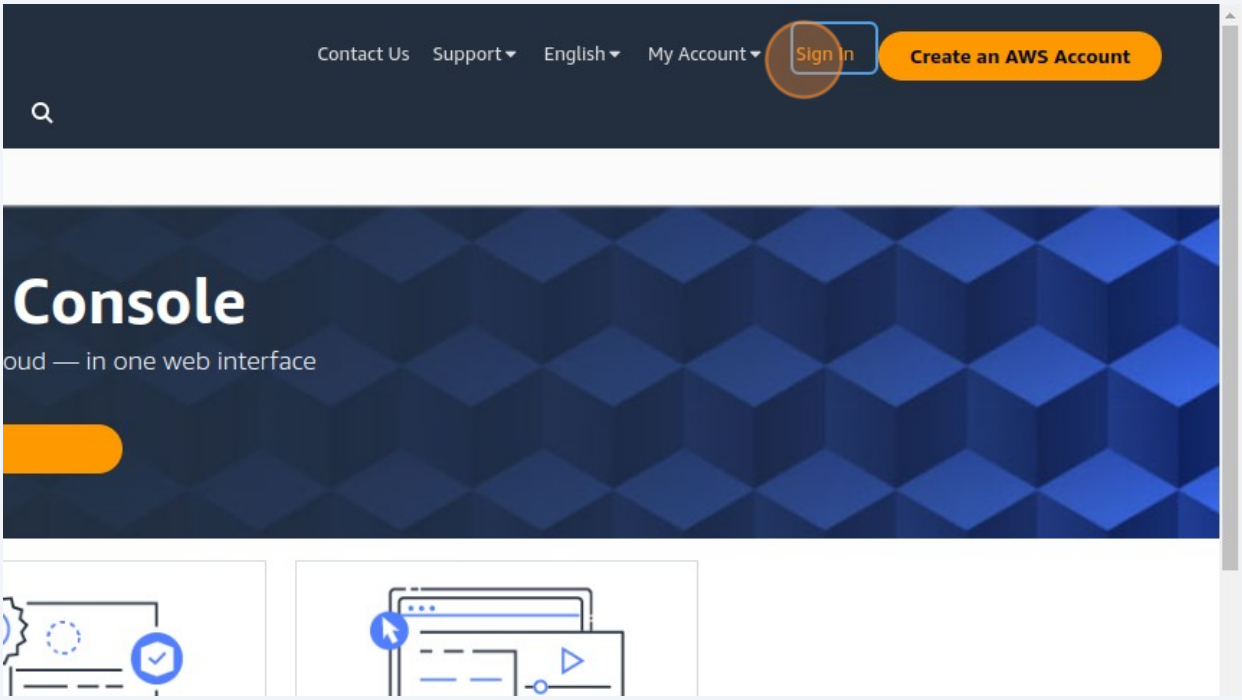
99 Click "Attach policies"



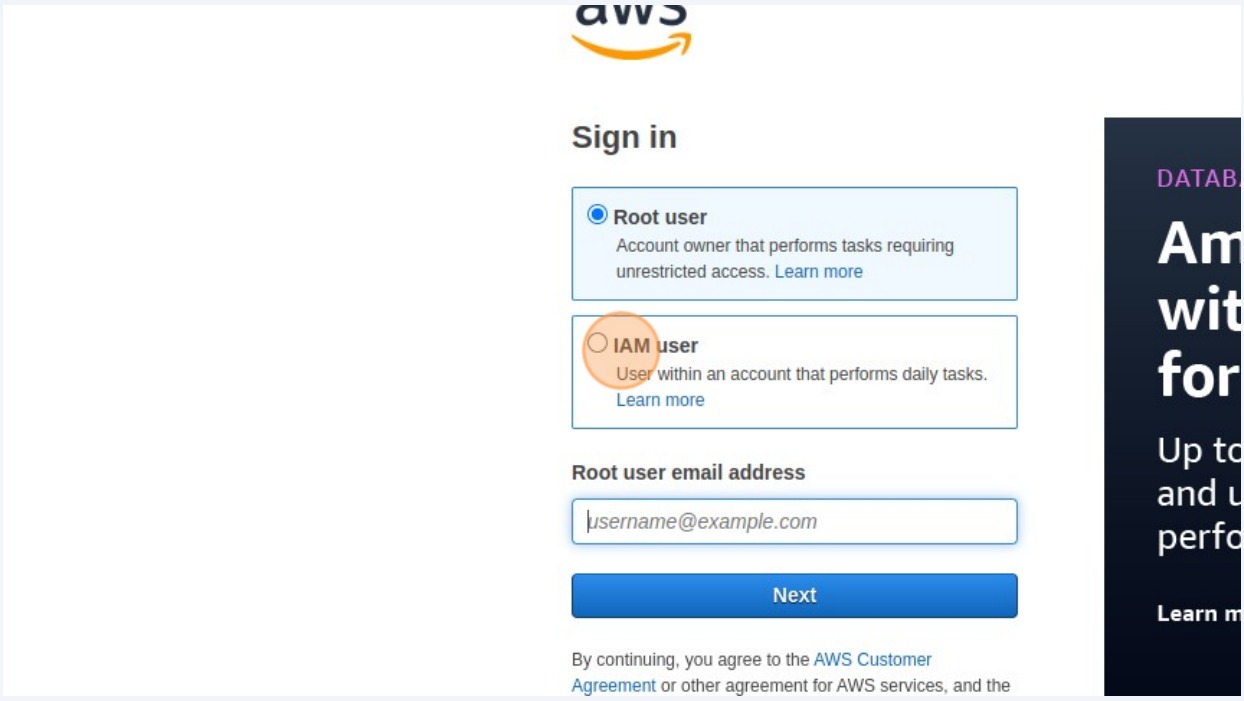
100 Good you have successfully updated the users group permissions.Click "Sign out"



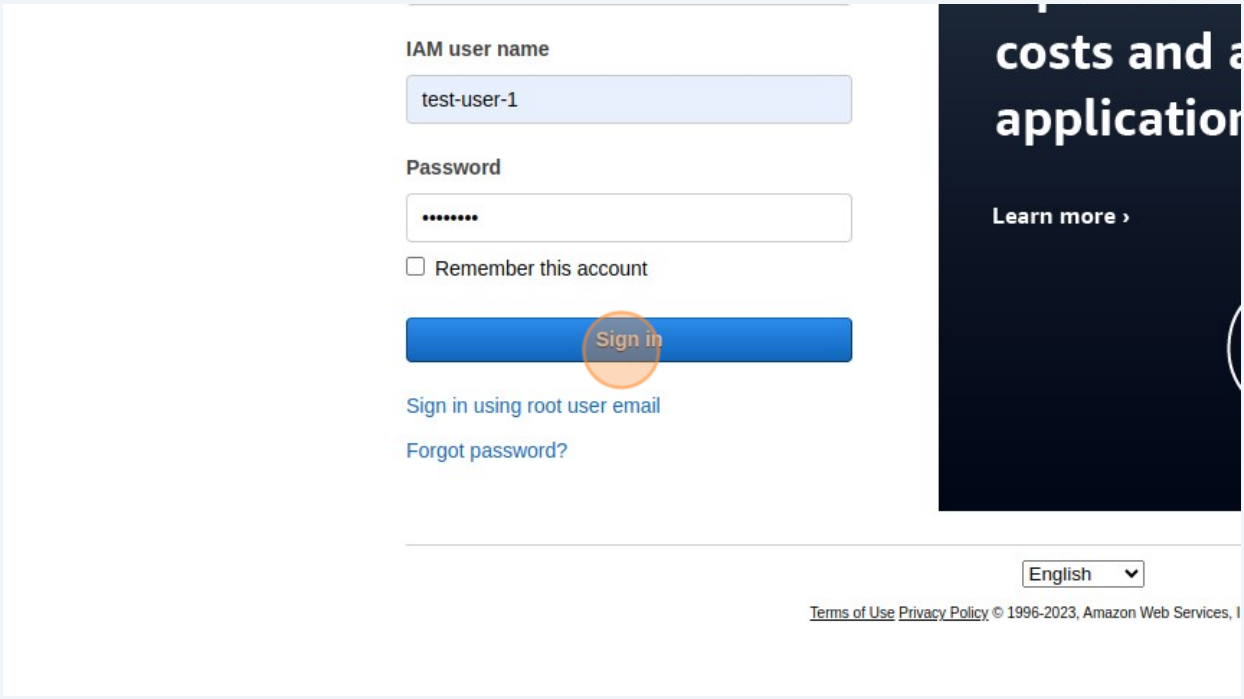
101 Click "Sign In" and enter into your test-user account



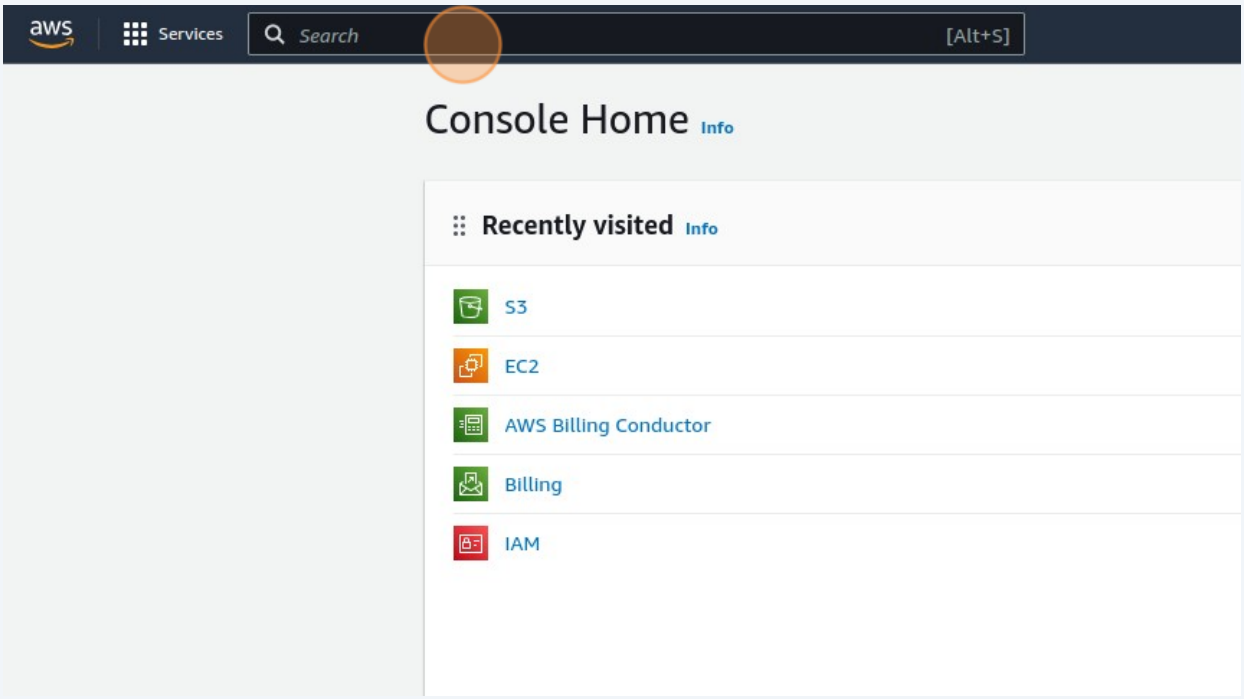
102 Click "IAM user"



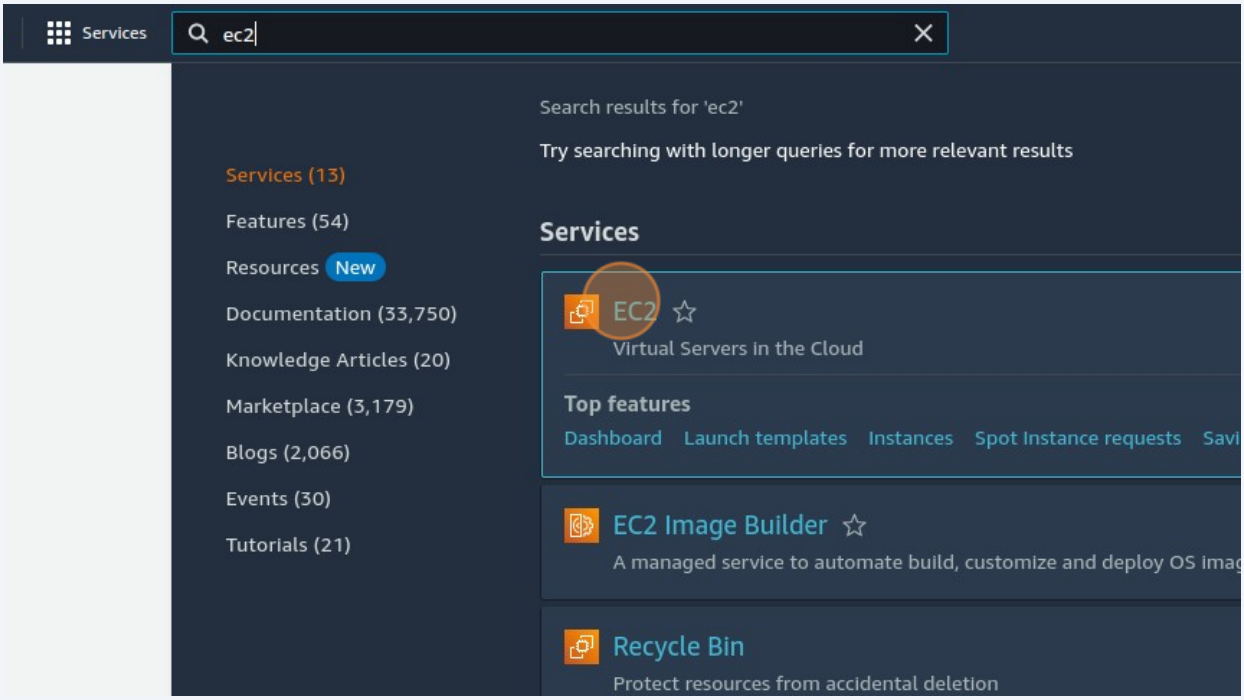
103 Click "Sign in"



104 Click the "Search" field.



105 Type "ec2".Click "EC2"



106 now you can see that our new user had gotten ec2 access ,we gave it our group and group users will automatically get the permissions.