A day in the life of a control tower admin

Pre-requisite

- You must have already deployed the control tower environment and have access to the 3 accounts it creates.
- Use supported region: Oregon, Ohio, N.Virginia, Ireland
- Sign in URL (Email and password)

Lab 1: Explore the AWS Control Tower Console

Dashboard	View summary of the Control Tower environment
Organizational units	Add/Delete/Register/Re-Register an OU
Accounts	View account details and state
Account factory	Edit Network configuration for new accounts and Enroll/Invite accounts
Guardrails	View details of each Guardrail
Users and access	View basic details for the AWS SSO integration
Shared accounts	Details for the shared accounts: Management, Log archive, and Audit
Landing zone settings	Version information for the Control Tower service

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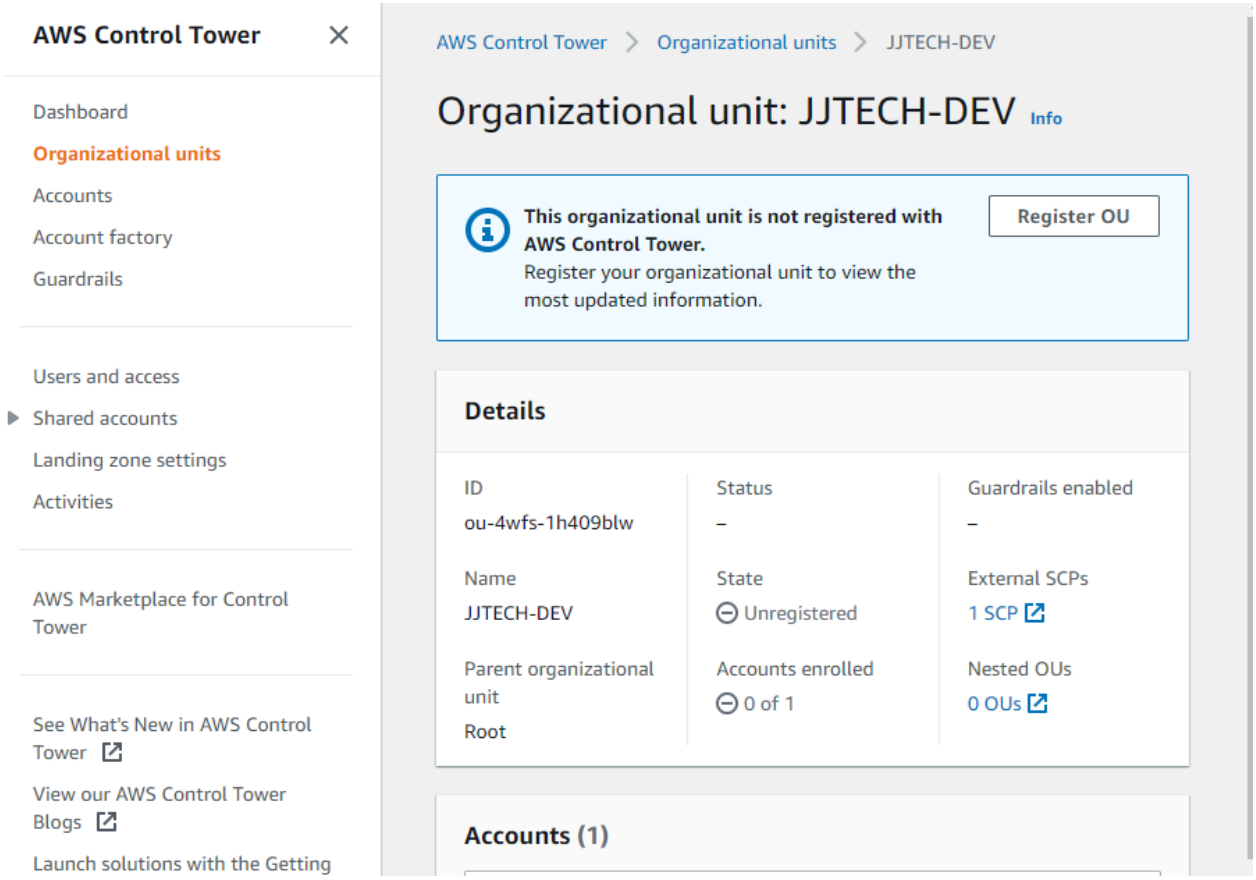
Lab 2: Enroll existing accounts and OUs to be governed by control tower

1. In the control Tower console select the account that is not enrolled my CT to enroll.
2. Click Go to OU and click on register OU to add the OU to the ones managed by CT

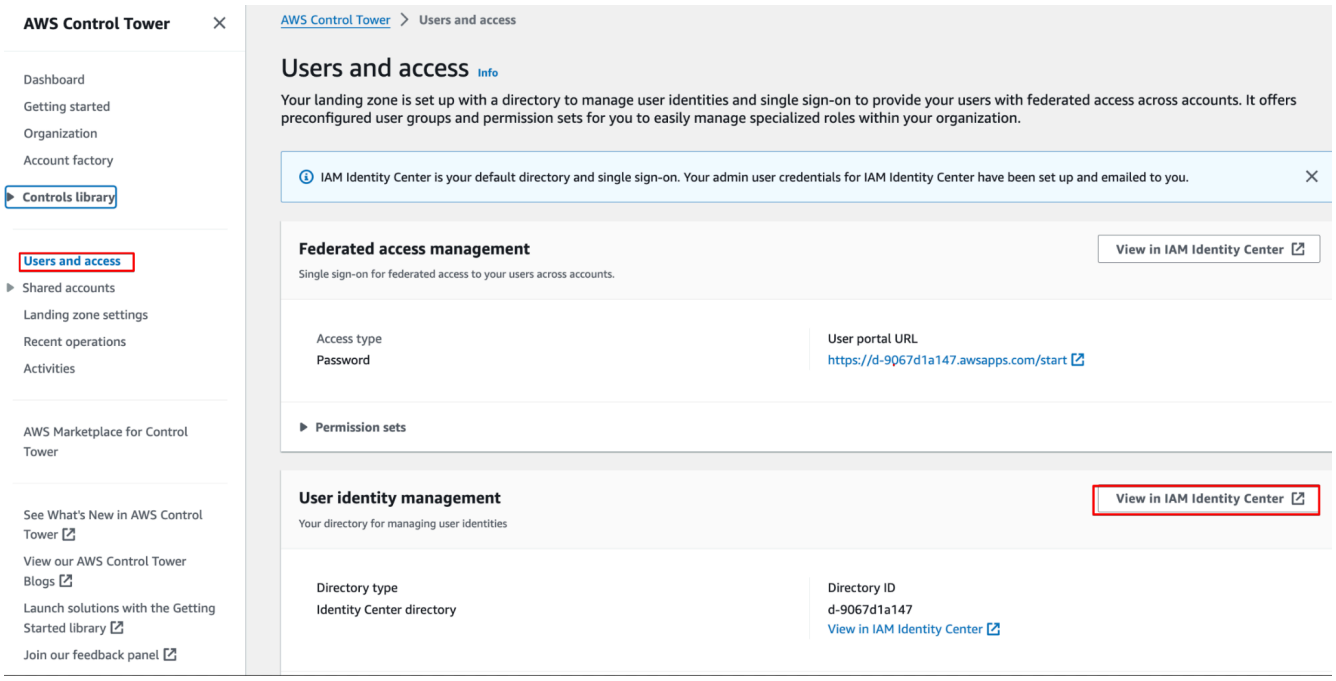


3. The blue progress bar will confirm when registration is completed.

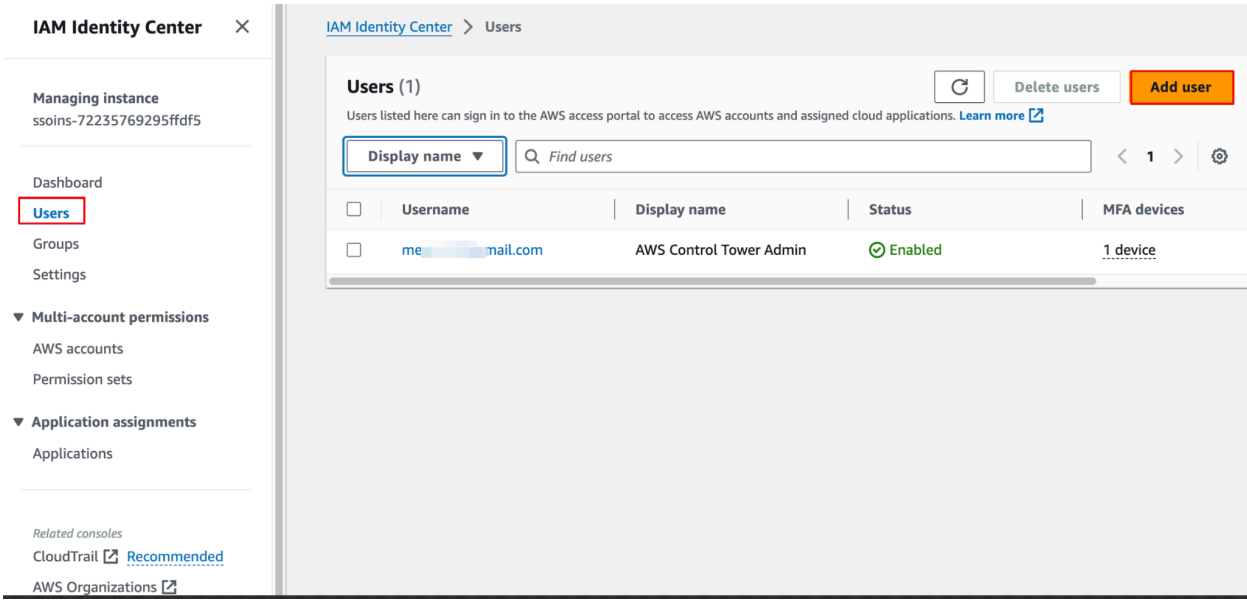
Lab 3: Create AWS account using Account factory in control tower

Lab 4: Creating, Users, Groups and permission sets,

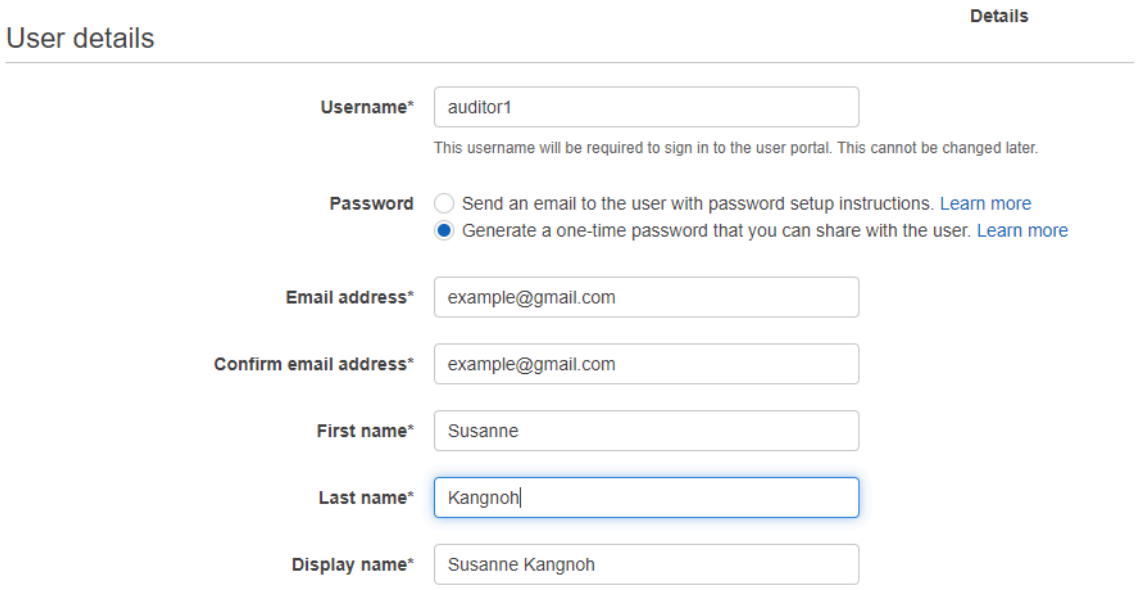
1. Log into the master account and navigate to the control tower dashboard.
2. Go to the users and access section. Under "**User identity management"** select "**View in IAM Identity Center**". This will take you to the Identity Center console where you will manage SSO access to your AWS accounts and cloud application.



3. **Create a new SSO account for an External Auditor who will need read-only access to all your existing accounts and add user to Group.**
    a. In the Identity Center dashboard, select Users and click on Add user



b. Complete the basic information about the user.
Select the option to **generate a one-time password** to share with the user

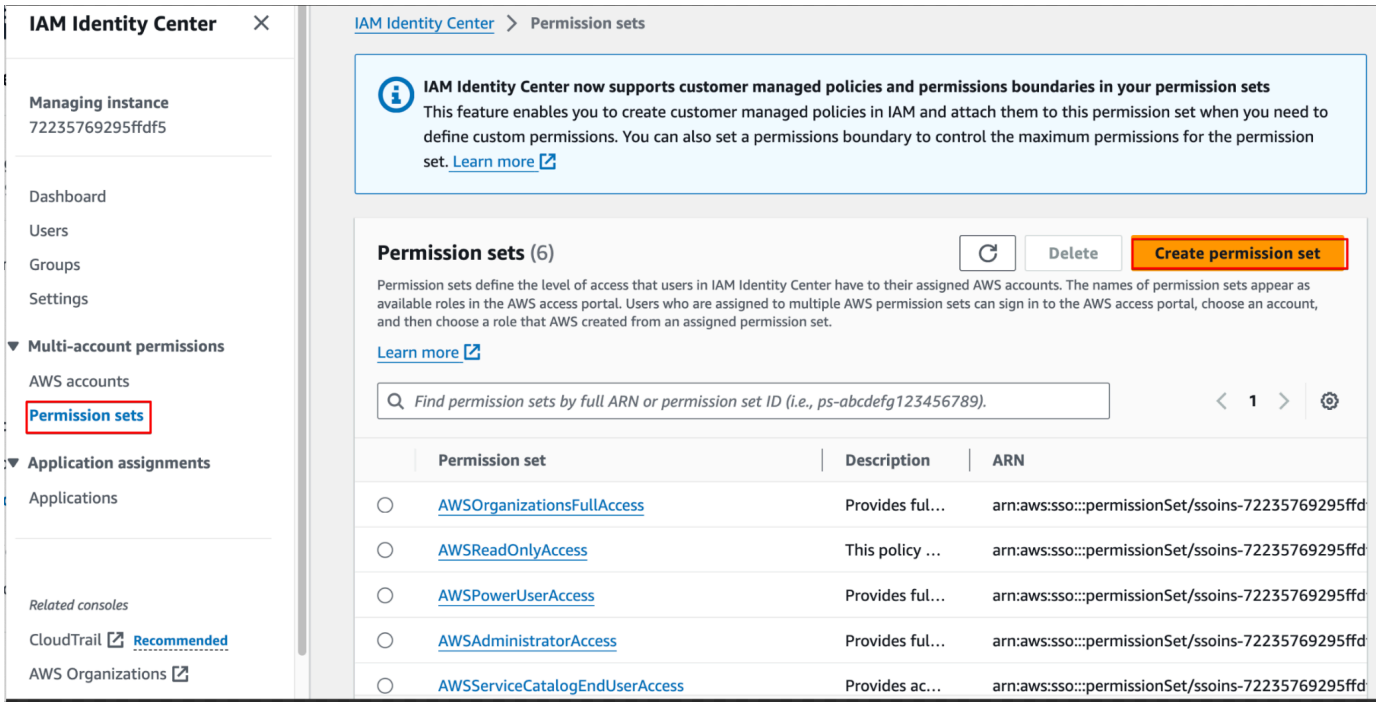


c. Click Next to add a user to Groups. Select the preconfigured group **AWSSecurityAuditors**. This group already has the permissions that will grant read-only access to users.

d. Copy details and share with the user.
e. Test this by logging in as auditor and you will notice the only permission set available to access the account is the AWSReadonlyaccess.. Log into any service and you will see that the user cannot create any resources.

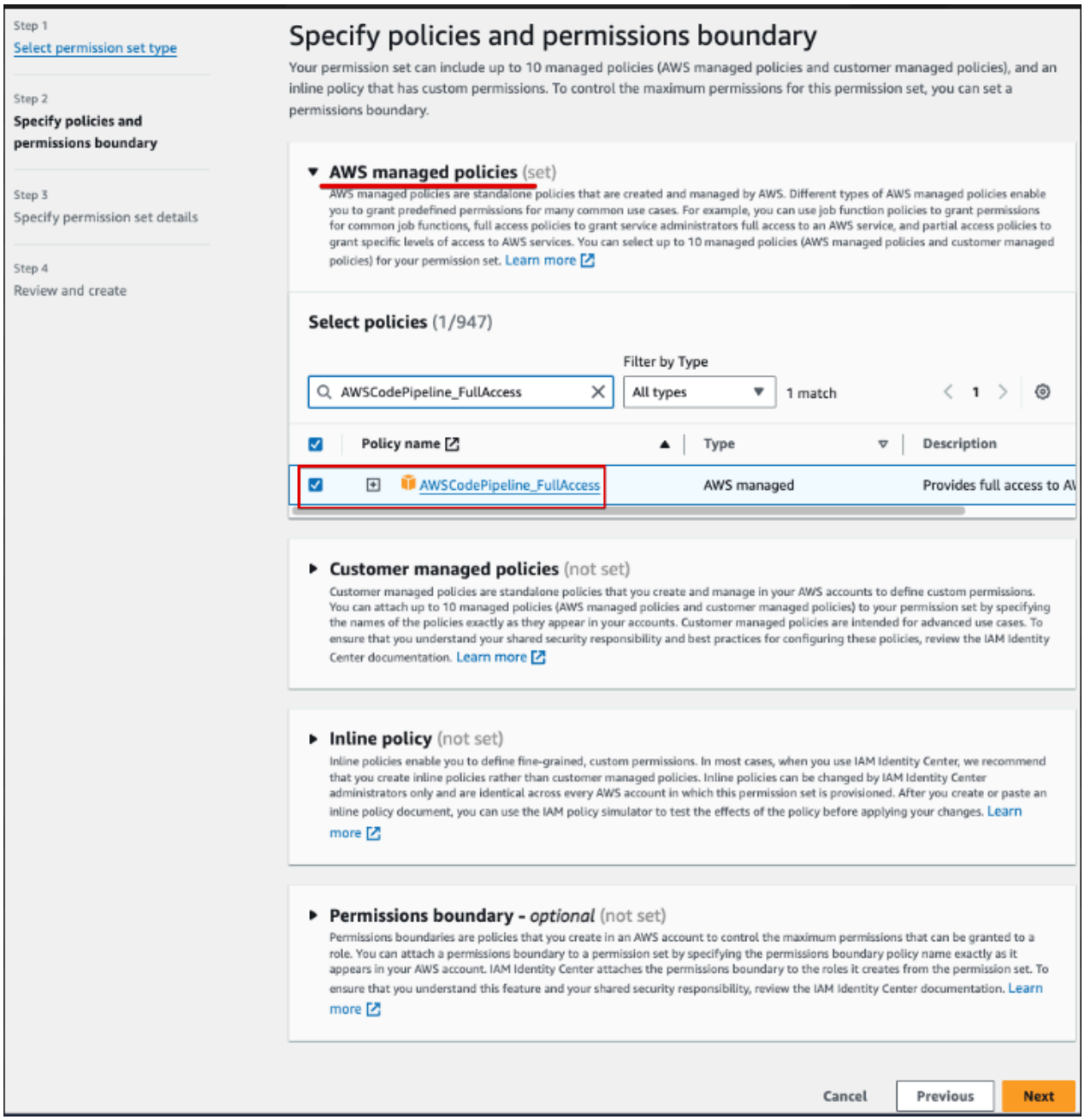
4. **Create a custom permission set for a Developer with access to carry development work in a particular AWS account.**

a. In the Identity Center console, under Multi-account permissions,. Select **Permission Sets** and click on create permission set.



b. Under “Permission set type” Select **custom permission set**., and click on next

c. In **“**Specify policies and permissions boundary**”**,
Select the option to attach an AWS managed policy and attach the policy **AWSCodePipelineFullAccess**.



d. Under “specify permission set details” enter **name** e.g **DevTeam** and other other details for
e. Next through, review and create Permission Set.

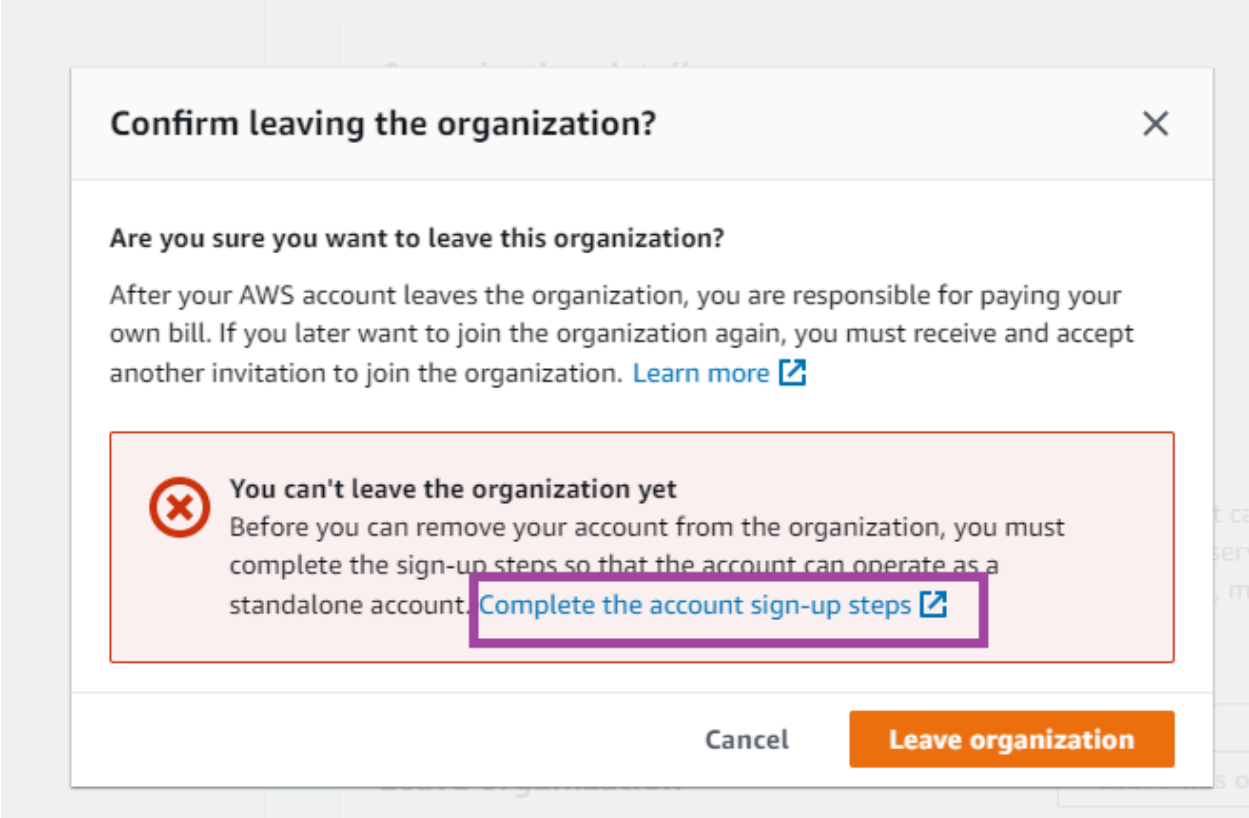
f. Go to the Identity Center Console, Navigate to the Groups and create a Group named **DevOpsAdmin**
g. Create a new user and assign to the group created above
h. To grant users access to a specific AWS account:
    i. Navigate to the AWS account screen, select the account to grant permissions to and click on Assign users and click on next
    ii. In the Select users or group screen, choose group and select the DevOpsAdmin Group.
    iii. Select the Permission sets created above and click on Finish.
    iv. Test this by logging in as the user user created in g above and test the permissions.

CLEAN UP(Students will do cleanup on their own by following the below steps) !!

To clean up this lab, you will need to remove the accounts from the AWS organization and close the account

Remove Account from Organization

1. Log into the account you want to remove from the organization as a root user.
2. Navigate to the AWS Organization and select the leave organization. You will let the prompt below. Click on complete the account sign-up-steps



3. Complete the payment details step and leave the organization.

Close AWS Account

1. Login as root in the AWS account
2. Click on the My Account and close account