IAM – Identity Access Management

Scenario 1: IAM users, Groups, Policy and permissions.

Need to create one UserGroup – L1 support (they should have primary support to ec2)

L1 support policy should be like allow only the below and disable everything

Can reboot instance

Can start instance

Can take snapshot

Can delete the snapshot.

Can view the ec2 instances – add ec2:DescribeInstances policy

(we shouldn't have ability to launch the instance, delete the instance,modify the instance etc etc)

Need one user account to be created with the name testuser

He should be part of L1 UserGroup.

He should be able to reboot , start the instance and take the snapshot, delete the snapshot based on the tickets/request)

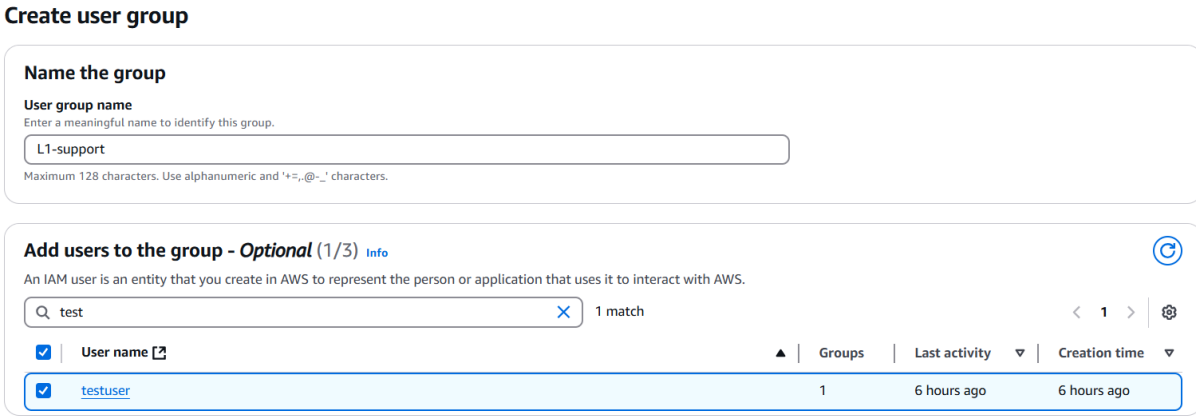
Steps

To create an group and add policy

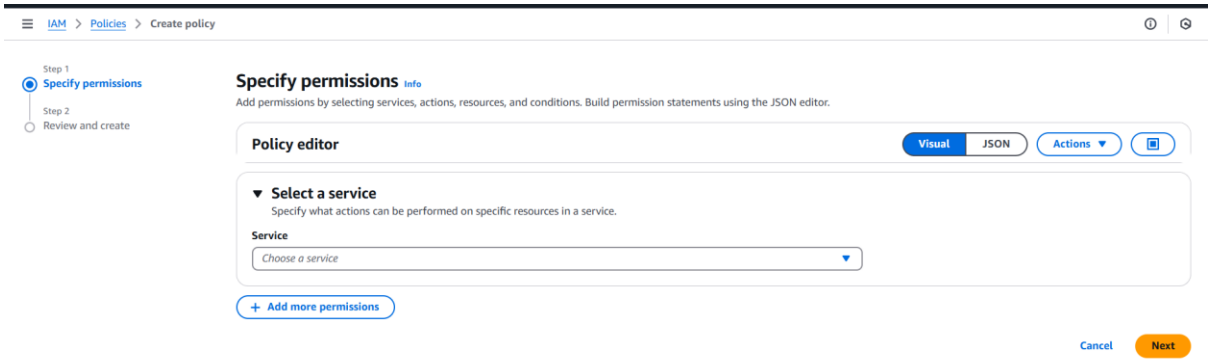
Step 1: Go to aws console > IAM > under user group> create group

Name it – L1-support and select the user we need to.

If needed can select the policy here but to customize the policy leave it don't select anything and click on create a group.



Step 2: Go to aws console > IAM > under polices> create policy



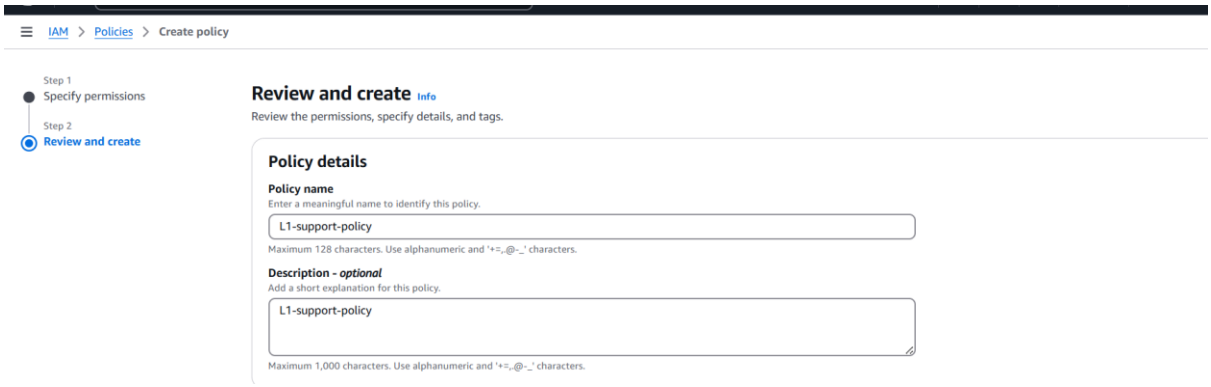
Select visual , **select a service** as – ec2

Select the action needed

And click next .

Step 3: Review and create.

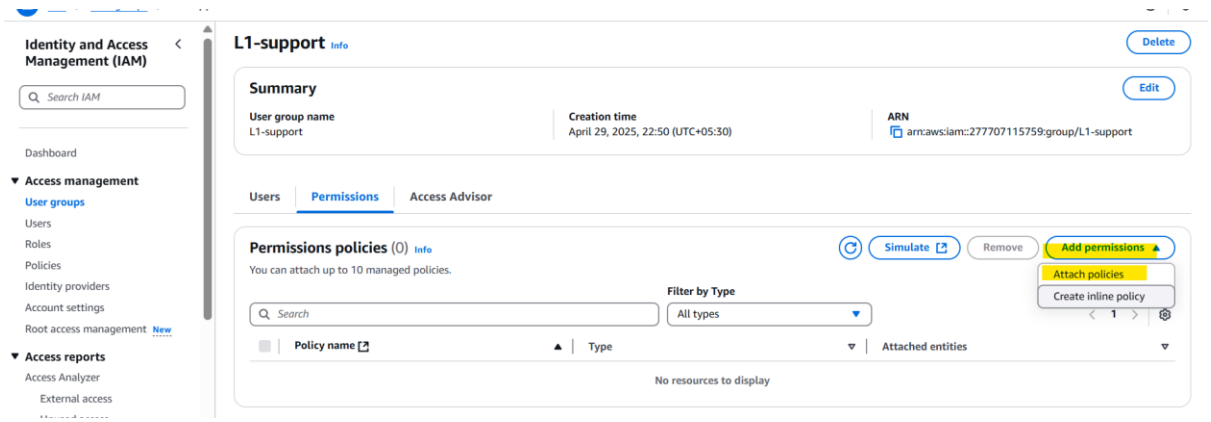
Provide the name of the policy. – L1-supportpolicy



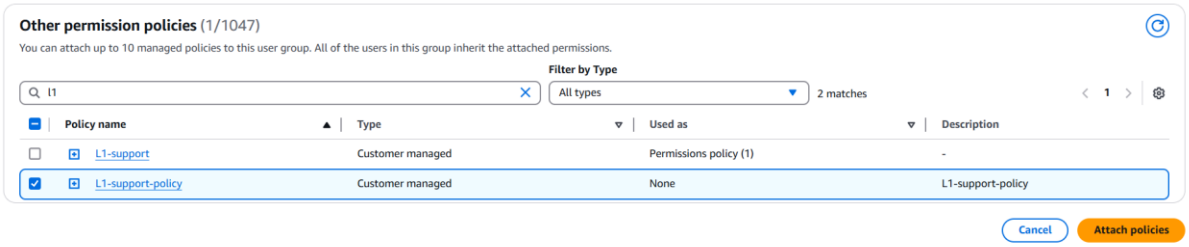
Create a policy.

Step 4: attach the policy to L1-support group

Go to groups > select l1-support group, under Add permissions > attach policies



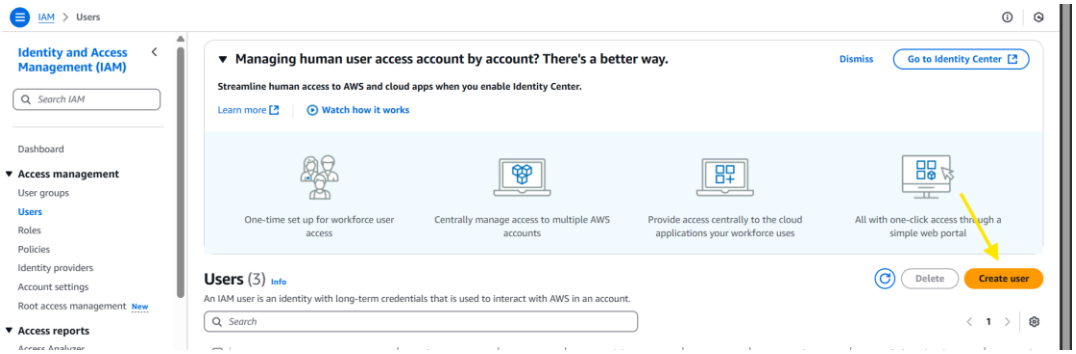
Select the policy which we created and select **attach policies.**



And also add **ec2readonlyaccess** permissions policy to the L1-support group

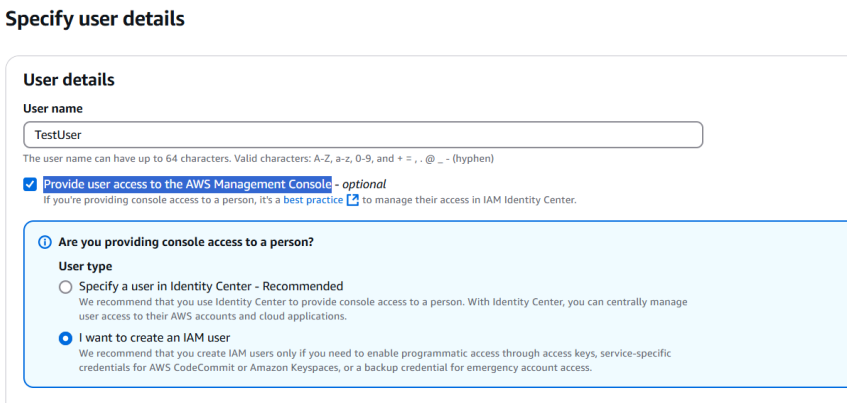
To Create a user account and add that user to user groups.

Step 1.Go to aws console > IAM > under user group> create user



Step 2: Provide the username, select **Provide user access to the AWS Management Console**

Note: make sure it should be an unique name.



Step 3: auto generate or custom password your wish.

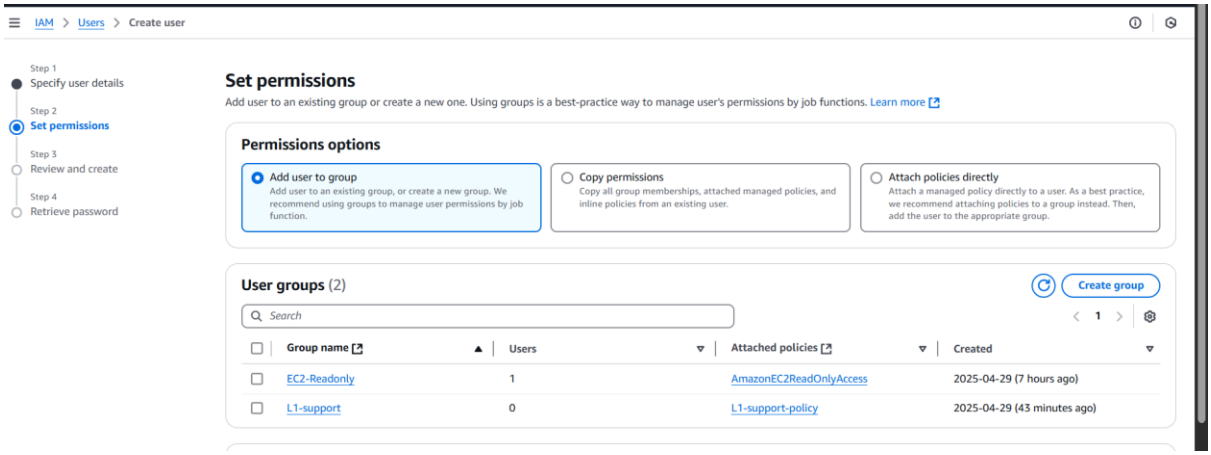
Better you select auto generate, the aws will create password for you then you can share those passwords to user.

Also select the box **“Users must create a new password at next sign-in – Recommended” – so that user can change is password once he logins.**

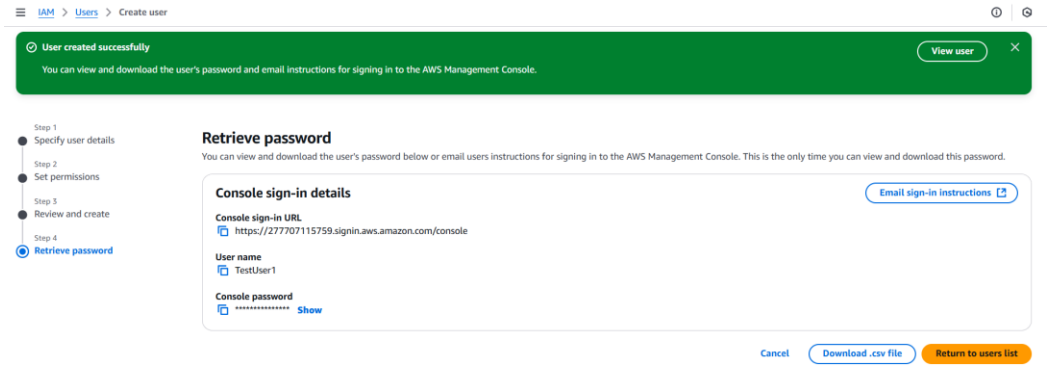
If you prefer that user shouldn't change the password which you gave and he should you the same password, then **uncheck the box**

Step 4: set permissions

Select **"add user to group"** and select the **L1-support group.**



Step 5: next and create



Note: gather than giving user an account id, username and password.

Provide him with the console sign-in URL (alias)

So that user needs not to enter account id manually he can just enter username and password.

Validation; user can start the stopped instance