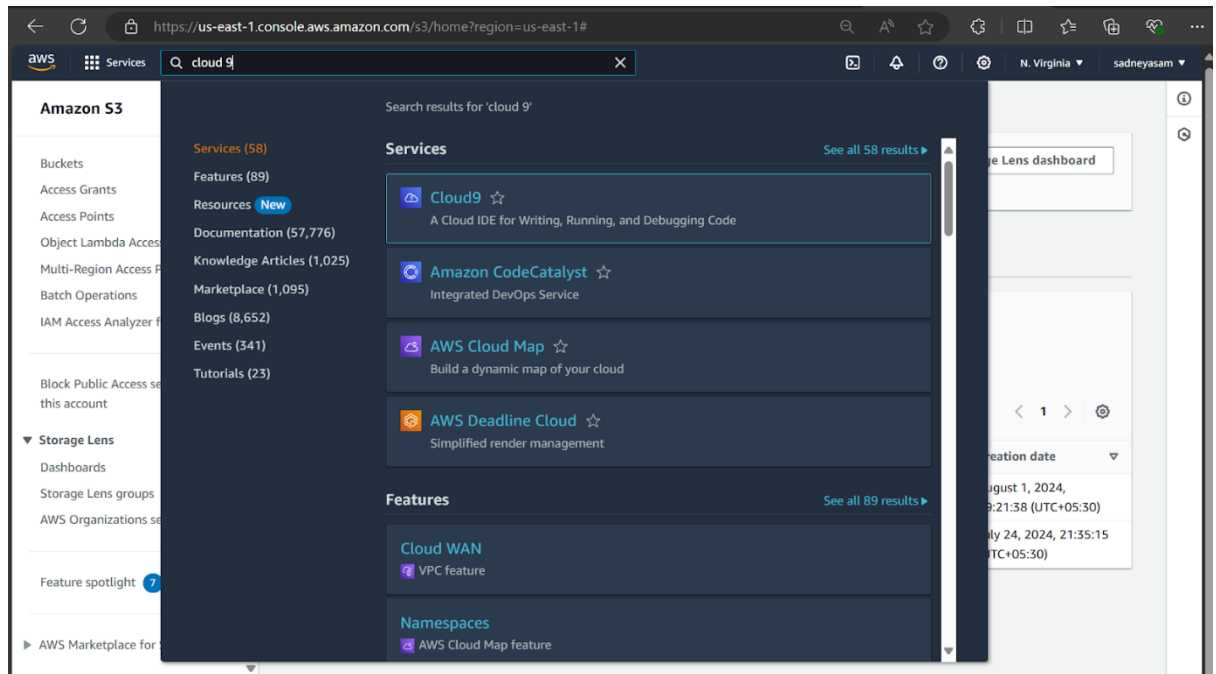


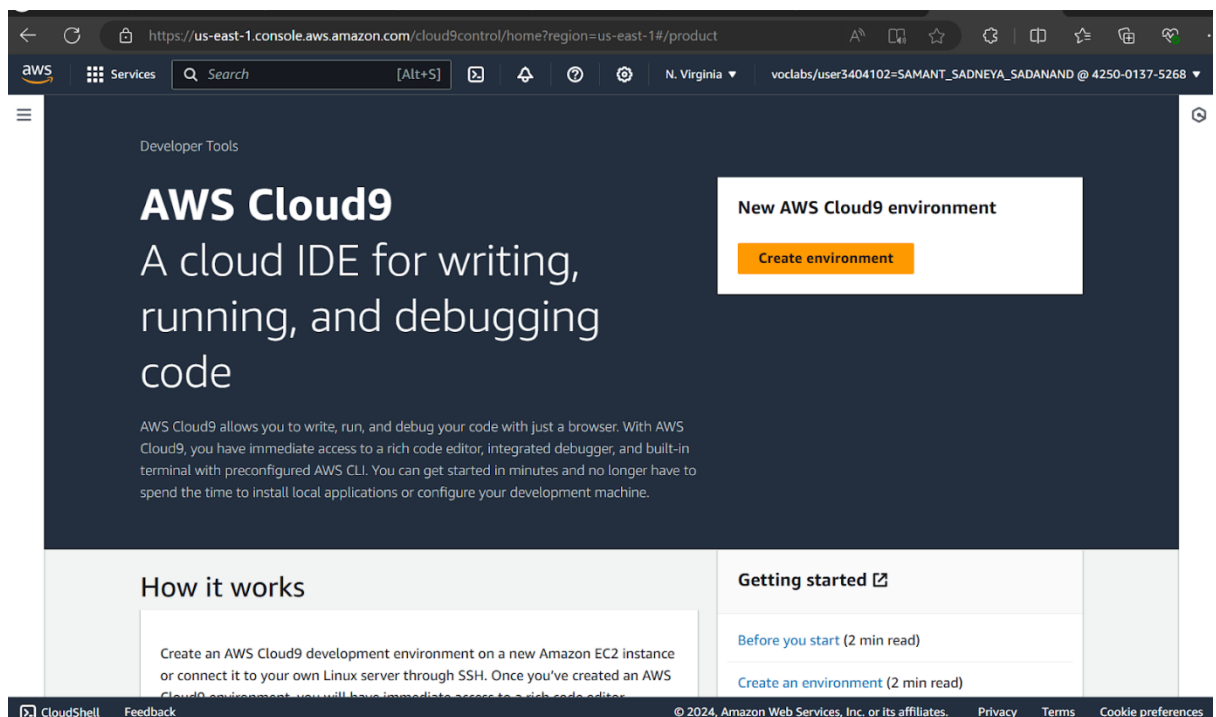
Experiment 1B

Creation of Cloud9 Environment

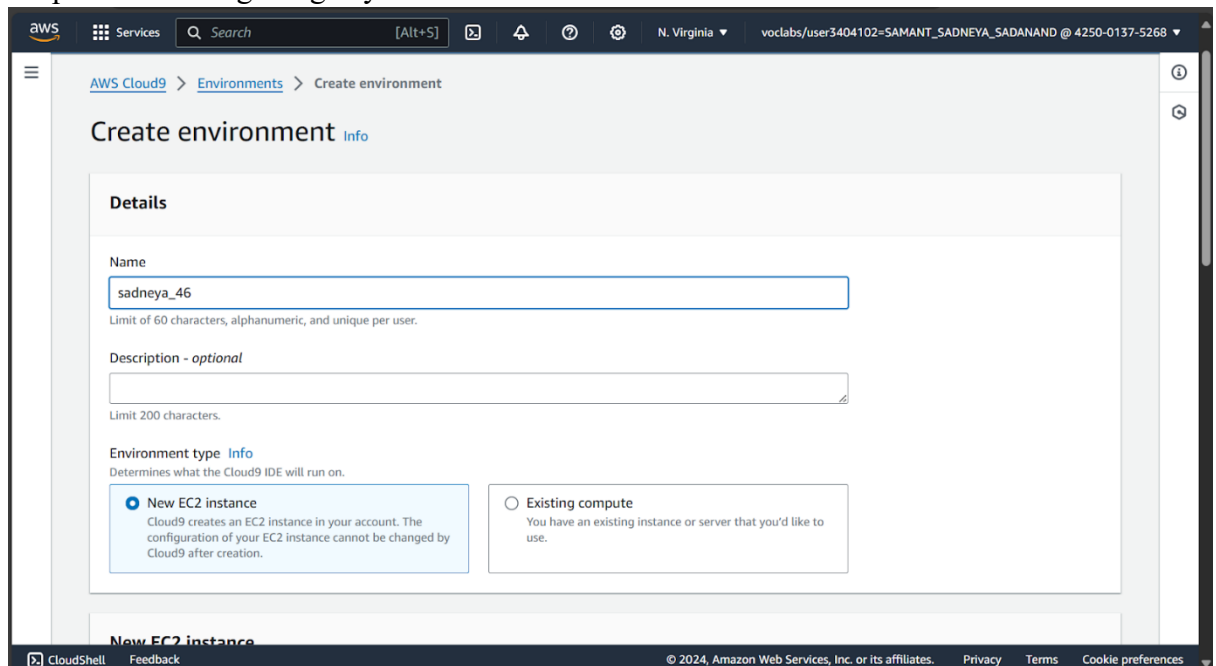
1.Go to the amazon console page.



2.click on create environment.



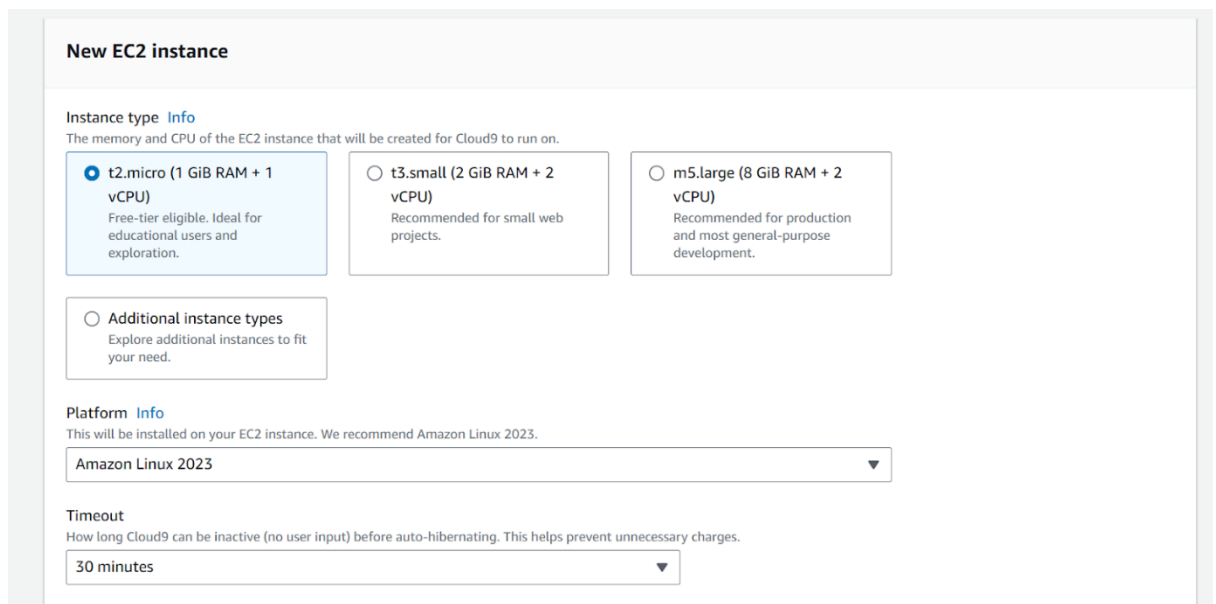
3. Give the name to your environment. Here I have given the name as sadneya_46. keep the remaining things by default.



The screenshot shows the AWS Cloud9 'Create environment' page. The breadcrumb navigation is 'AWS Cloud9 > Environments > Create environment'. The main heading is 'Create environment' with an 'Info' link. The 'Details' section contains the following fields:

- Name:** A text input field containing 'sadneya_46'. Below it, a note states: 'Limit of 60 characters, alphanumeric, and unique per user.'
- Description - optional:** A text input field. Below it, a note states: 'Limit 200 characters.'
- Environment type:** A section with an 'Info' link and the text 'Determines what the Cloud9 IDE will run on.' It contains two radio button options:
 - New EC2 instance:** Selected. Description: 'Cloud9 creates an EC2 instance in your account. The configuration of your EC2 instance cannot be changed by Cloud9 after creation.'
 - Existing compute:** Unselected. Description: 'You have an existing instance or server that you'd like to use.'

At the bottom of the page, there is a 'CloudShell' button, a 'Feedback' link, and a footer with copyright information: '© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences'.



The screenshot shows the 'New EC2 instance' configuration page. The main heading is 'New EC2 instance'. The 'Instance type' section has an 'Info' link and the text 'The memory and CPU of the EC2 instance that will be created for Cloud9 to run on.' It contains three radio button options:

- t2.micro (1 GiB RAM + 1 vCPU):** Selected. Description: 'Free-tier eligible. Ideal for educational users and exploration.'
- t3.small (2 GiB RAM + 2 vCPU):** Unselected. Description: 'Recommended for small web projects.'
- m5.large (8 GiB RAM + 2 vCPU):** Unselected. Description: 'Recommended for production and most general-purpose development.'

Below these options is a link for 'Additional instance types' with the text 'Explore additional instances to fit your need.'

The 'Platform' section has an 'Info' link and the text 'This will be installed on your EC2 instance. We recommend Amazon Linux 2023.' It contains a dropdown menu set to 'Amazon Linux 2023'.

The 'Timeout' section has the text 'How long Cloud9 can be inactive (no user input) before auto-hibernating. This helps prevent unnecessary charges.' It contains a dropdown menu set to '30 minutes'.

The screenshot shows the AWS IAM console interface. At the top, there's a navigation bar with the AWS logo, a search bar, and user information: "N. Virginia" and "voclabs/user3404102=SAMANT_SADNEYA_SADANAND @ 4250-0137-5268". The main content area is titled "Network settings" with an "Info" link. Under the "Connection" section, there are two options: "AWS Systems Manager (SSM)" (selected) and "Secure Shell (SSH)". Below this is a link to "VPC settings". The "Tags" section is collapsed, showing a description of tags and a button to "Add new tag". At the bottom, a blue box states: "The following IAM resources will be created in your account".

This screenshot shows the "VPC settings" section of the AWS IAM console. It includes a dropdown menu for the "Amazon Virtual Private Cloud (VPC)" with the value "vpc-051bba342b3626898". Below this is the "Subnet" section, which has a dropdown menu set to "No preference". The "Tags" section is also visible, showing a description of tags and a button to "Add new tag". At the bottom, a blue box states: "The following IAM resources will be created in your account", followed by a list item: "AWSServiceRoleForAWSCloud9 - AWS Cloud9 creates a service-linked role for you. This allows AWS Cloud9 to call other AWS services on your behalf. You can delete the role from the AWS IAM console once you no longer have any AWS Cloud9 environments. Learn more".

Network settings [Info](#)

Connection
How your environment is accessed.

☐ AWS Systems Manager (SSM)
Accesses environment via SSM without opening inbound ports (no ingress).

☒ Secure Shell (SSH)
Accesses environment directly via SSH, opens inbound ports.

VPC settings [Info](#)

Amazon Virtual Private Cloud (VPC)
The VPC that your environment will access. To allow the AWS Cloud9 environment to connect to its EC2 instance, attach an internet gateway (IGW) to your VPC. [Create new VPC](#)

Name -

Subnet
Used to setup your VPC configuration. To use a private subnet, select AWS Systems Manager (SSM) as the connection type. [Create new subnet](#)

Uses default subnet in any Availability Zone

Thus, the environment was created.

AWS Cloud9

My environments
Shared with me
All account environments

Documentation

Creating sadneya_46. This can take several minutes. While you wait, see [Best practices for using AWS Cloud9](#)

For capabilities similar to AWS Cloud9, explore AWS Toolkits in your own IDE and AWS CloudShell in the AWS Management Console. [Learn more](#)

AWS Cloud9 > Environments

Environments (1)

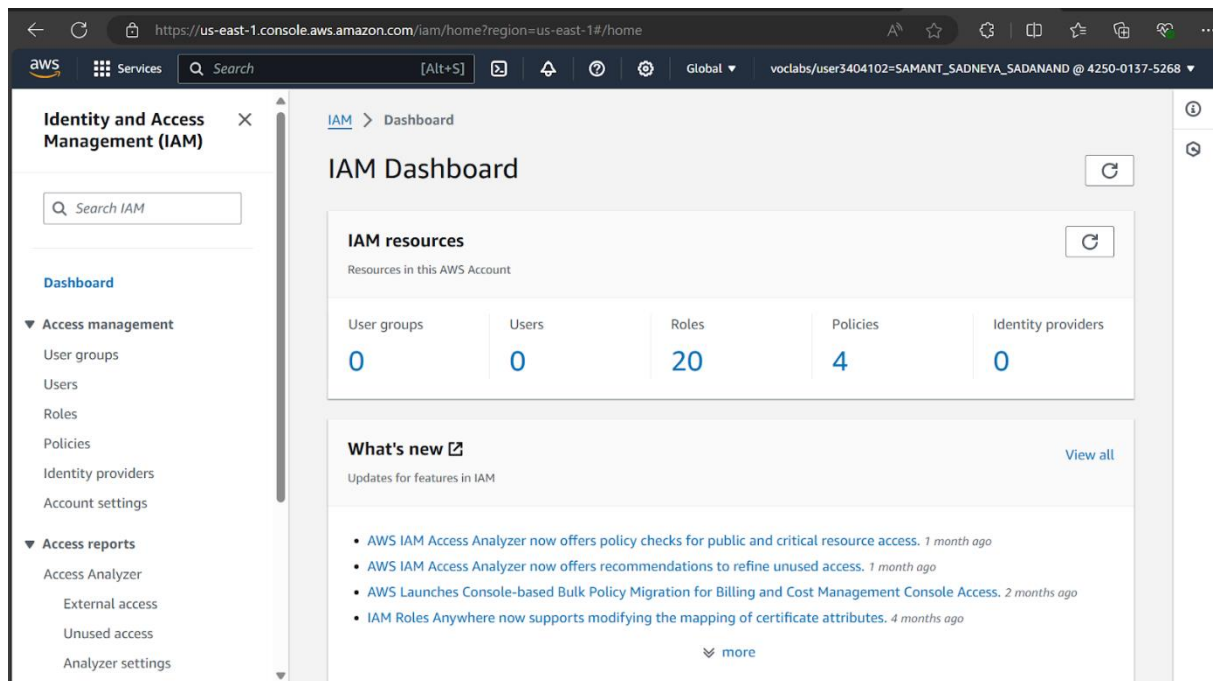
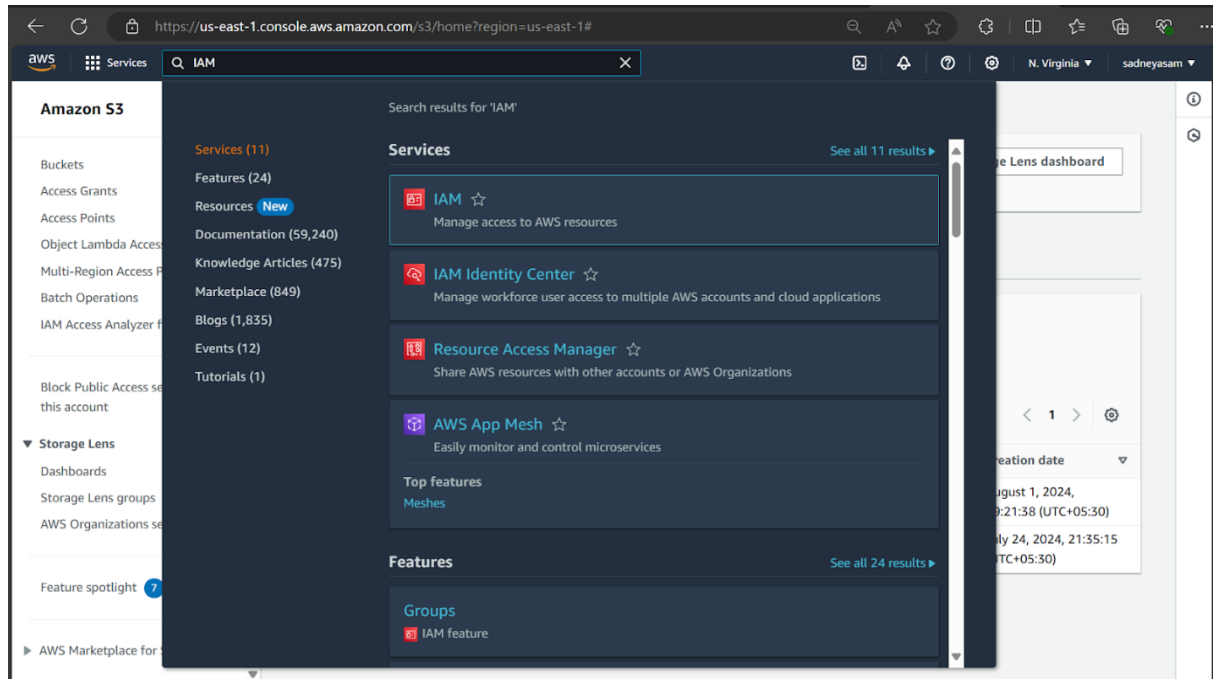
Delete View details Open in Cloud9 [Create environment](#)

My environments

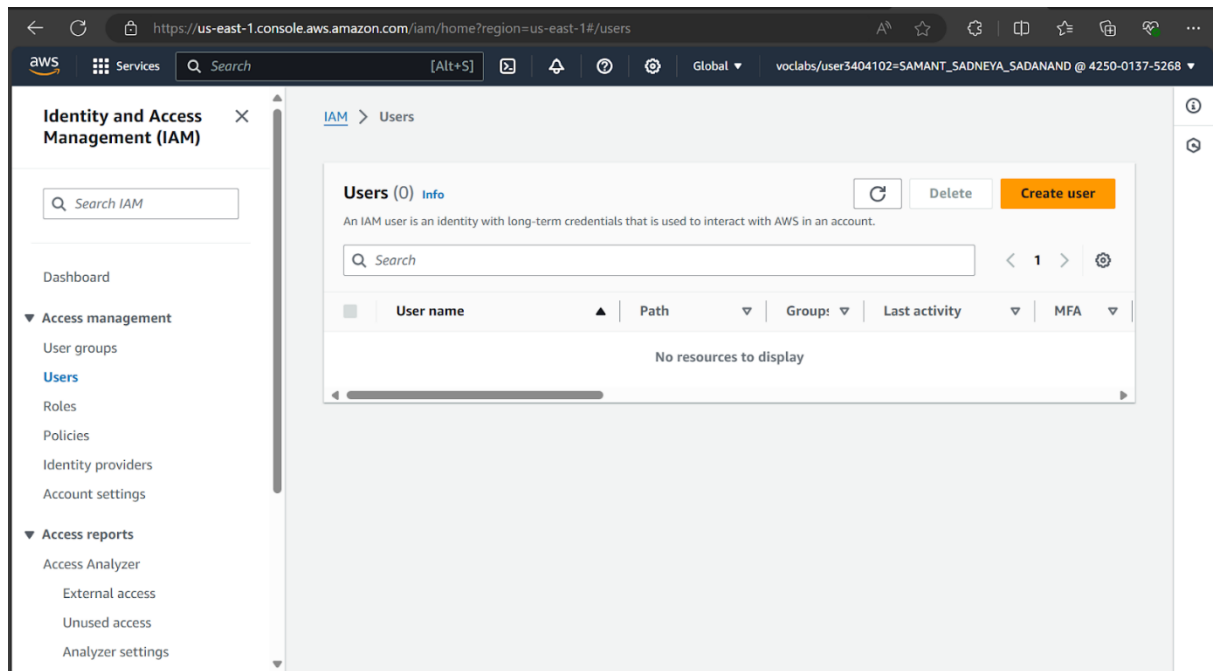
	Name	Cloud9 IDE	Environment type	Connection	Permission	Owner ARN
<input type="radio"/>	sadneya_46	Open	EC2 instance	Secure Shell (SSH)	Owner	arn:aws:sts::42500137526role/voclabs/user3404102=Sa/

Creation of I am user

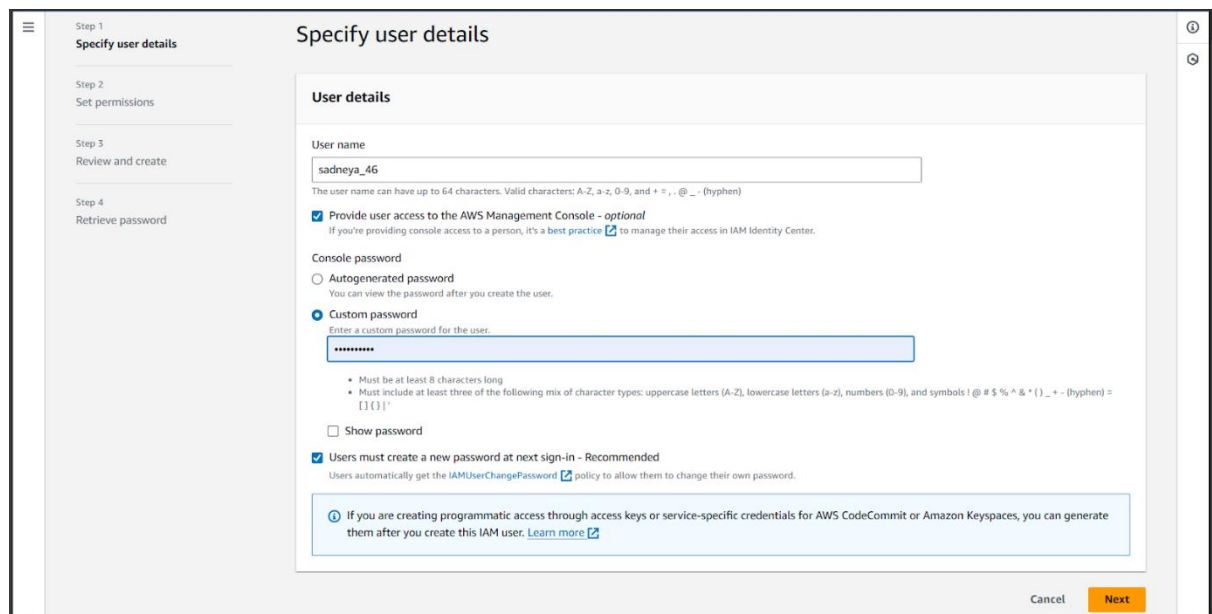
1. Go to I am.



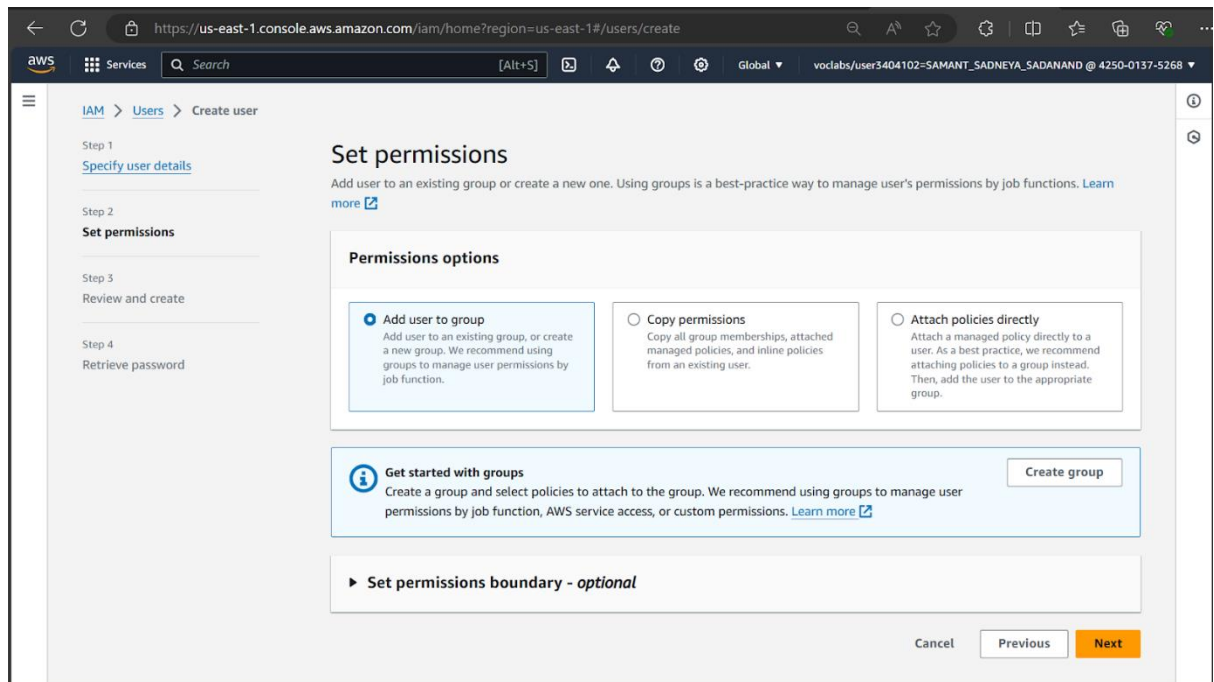
2. Select Users here.
3. Then Click on create user.



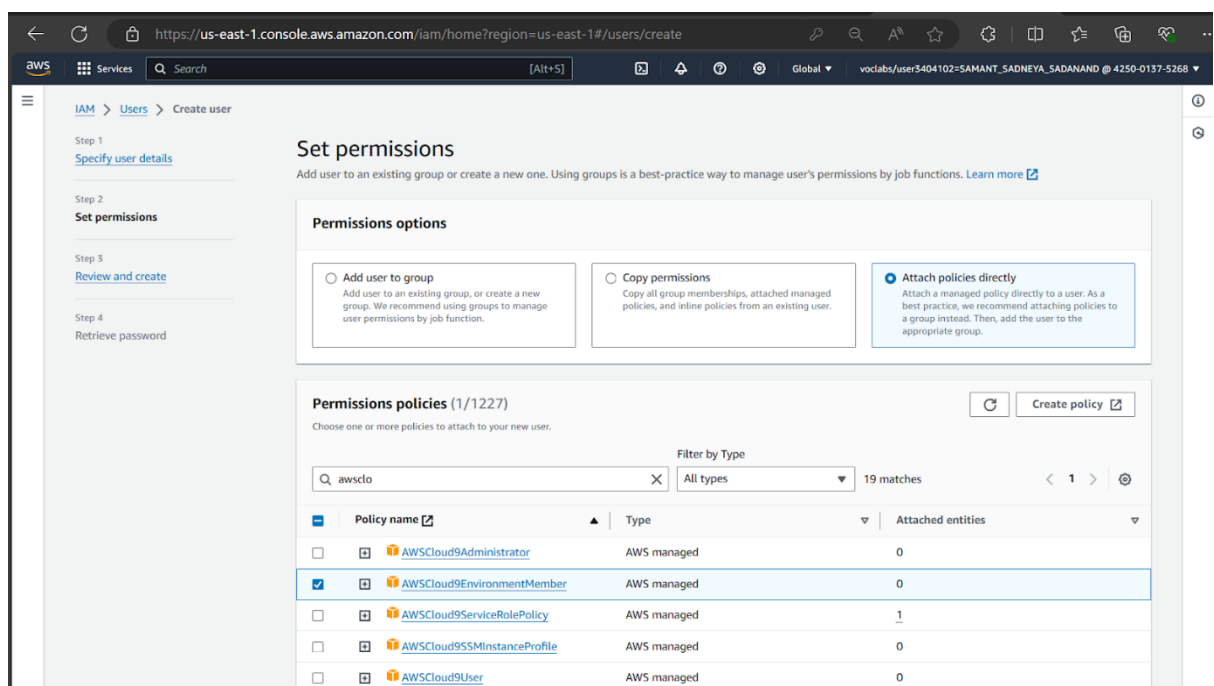
4. Give I AM user name. Here I have given it as sadneya_46. Select custom password and enter your password.



5. Select Add user to group. And click next.

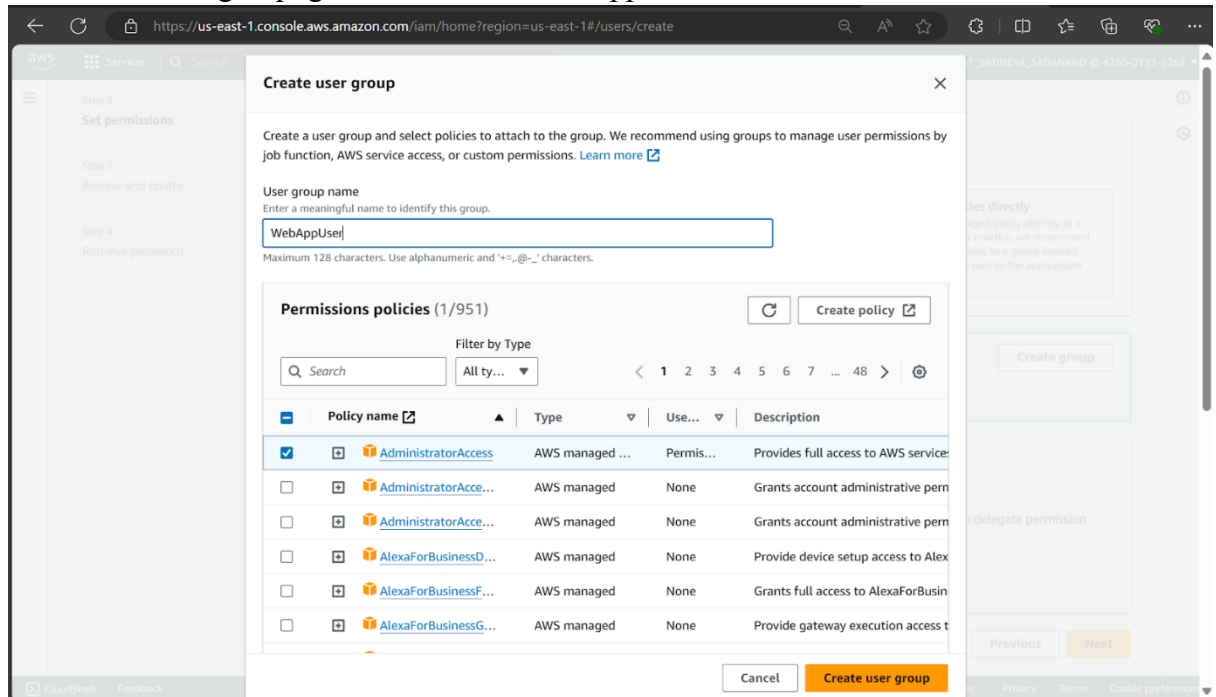


6. Also select permissions. Here I have selected `AWSCloud9EnvironmentMember` for cloud9 Environment. then click on next.

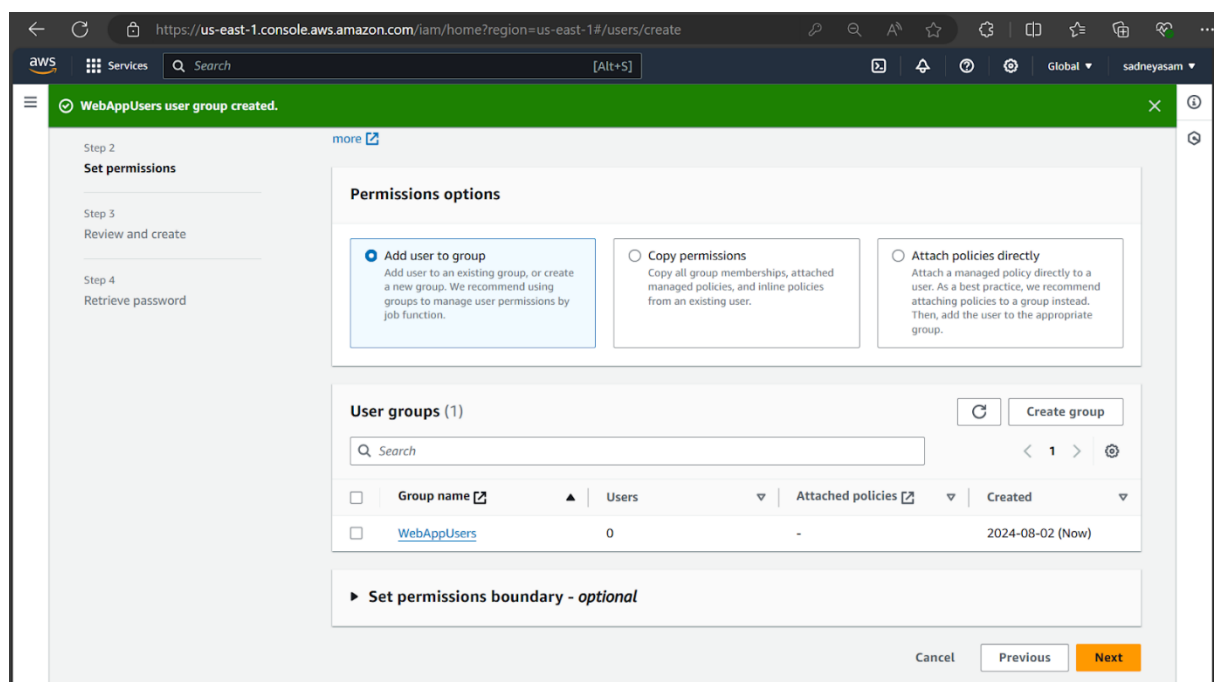


To add user, we need to create

7. To create a user group, give it a name as WebAppUser.



8. Thus, WebAppUser get created successfully.



The screenshot shows the AWS IAM console in the 'us-east-1' region. A green banner at the top indicates 'WebAppUsers user group created.' The left sidebar shows the navigation menu with 'Review and create' selected under 'Step 3'. The main content area displays the 'User details' section with the following information:

Field	Value
User name	sadneya_46
Console password type	Custom password
Require password reset	Yes

Below the user details is the 'Permissions summary' section, which shows a table with one entry:

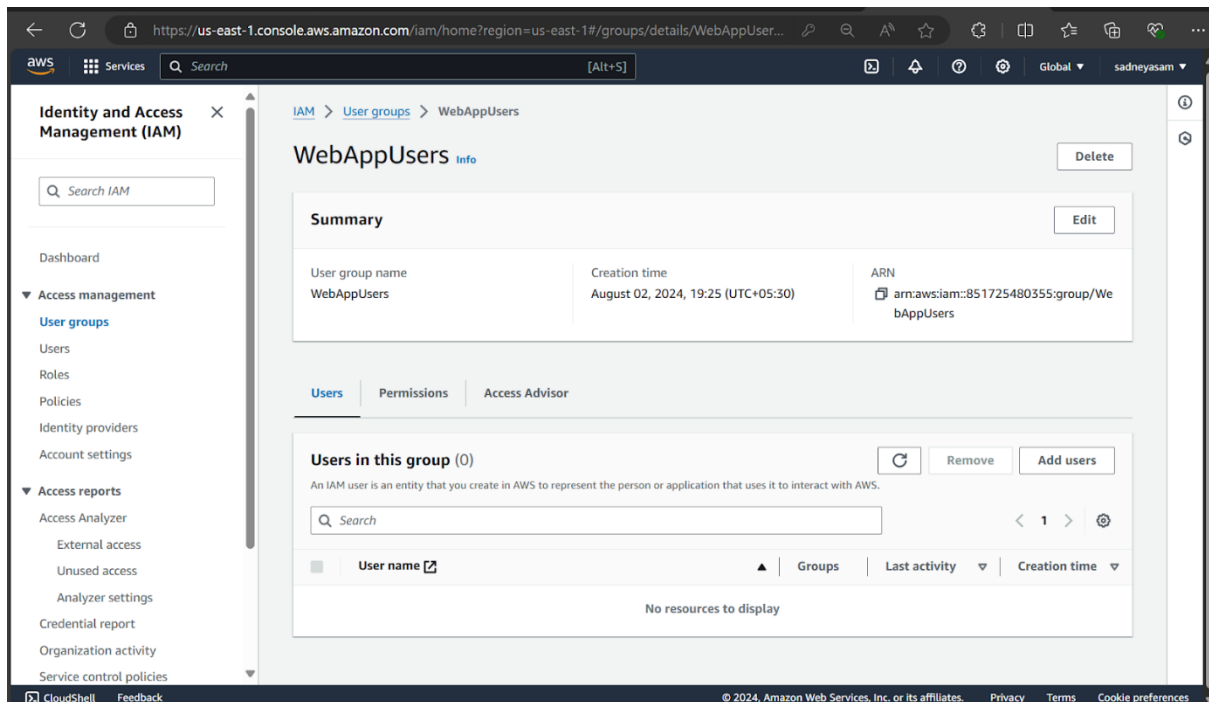
Name	Type	Used as
IAMUserChangePassword	AWS managed	Permissions policy

The 'Tags - optional' section is also visible, stating 'No tags associated with the resource.' and providing an 'Add new tag' button. At the bottom right, there are 'Cancel', 'Previous', and 'Create user' buttons.

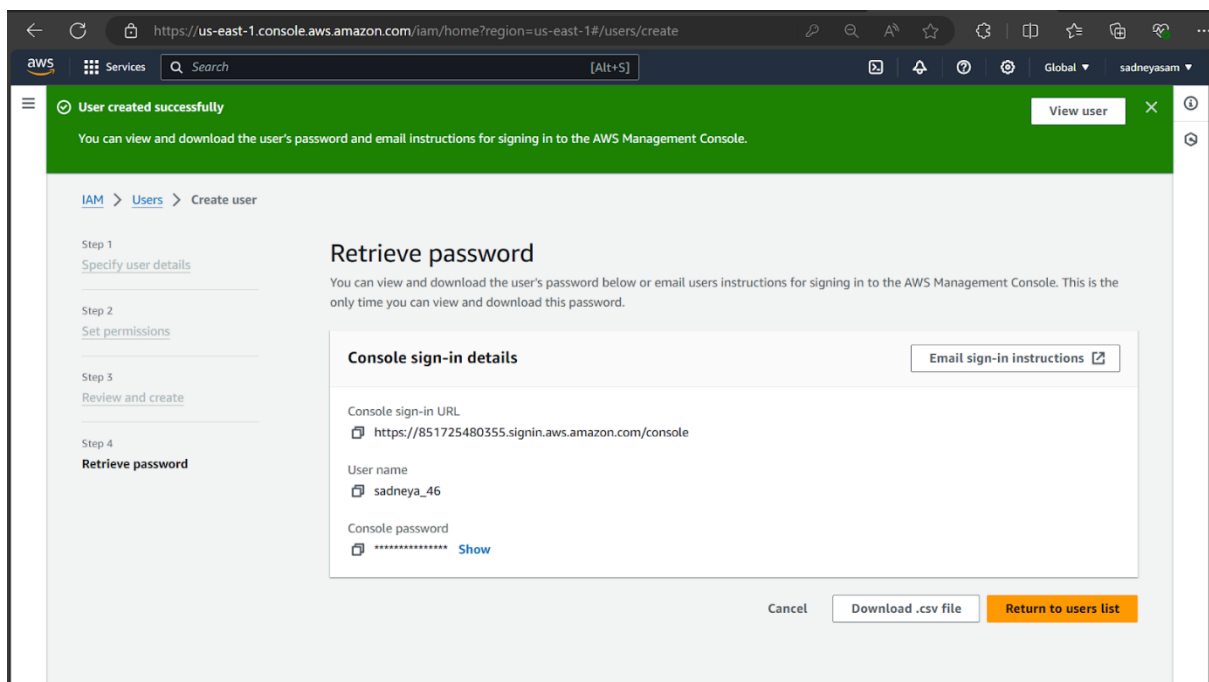
The screenshot shows the AWS IAM console in the 'us-east-1' region, displaying the 'User groups' page. The left sidebar shows the navigation menu with 'User groups' selected under 'Access management'. The main content area displays the 'User groups (1)' section, which includes a search bar and a table listing the user groups:

Group name	Users	Permissions	Creation time
WebAppUsers	0	Not defined	4 minutes ago

At the top right of the 'User groups' section, there are 'Create group', 'Delete', and 'Refresh' buttons. The 'WebAppUsers' group is highlighted in blue.



9. Then click on next and thus the user gets successfully created.



10. This is a summary of user created.

The screenshot displays the AWS IAM console interface. On the left is a navigation sidebar for 'Identity and Access Management (IAM)' with sections for 'Access management' (User groups, Users, Roles, Policies, Identity providers, Account settings) and 'Access reports' (Access Analyzer, External access, Unused access, Analyzer settings, Credential report, Organization activity, Service control policies). The main content area shows the details for user 'sadneya_46'. At the top, there's a breadcrumb 'IAM > Users > sadneya_46' and a 'Delete' button. Below this is a 'Summary' section with three columns: ARN (arn:aws:iam::851725480355:user/sadneya_46), Console access (Enabled without MFA), and Access key 1 (Create access key). It also shows the creation date (August 02, 2024, 19:28 UTC+05:30) and last console sign-in (Never). Below the summary are tabs for 'Permissions', 'Groups', 'Tags', 'Security credentials', and 'Access Advisor'. The 'Permissions' tab is active, showing 'Permissions policies (1)'. It includes a search bar, a 'Filter by Type' dropdown set to 'All types', and a table with one policy: 'IAMUserChangePassword' (AWS managed, Attached via Directly).

Identity and Access Management (IAM)

Search IAM

Dashboard

▼ Access management

- User groups
- Users**
- Roles
- Policies
- Identity providers
- Account settings

▼ Access reports

- Access Analyzer
- External access
- Unused access
- Analyzer settings
- Credential report
- Organization activity
- Service control policies

sadneya_46 Info Delete

Summary

ARN arn:aws:iam::851725480355:user/sadneya_46	Console access Enabled without MFA	Access key 1 Create access key
Created August 02, 2024, 19:28 (UTC+05:30)	Last console sign-in Never	

Permissions Groups Tags **Security credentials** Access Advisor

Permissions policies (1) Refresh Remove Add permissions ▼

Permissions are defined by policies attached to the user directly or through groups.

Search Filter by Type
All types

<input type="checkbox"/>	Policy name ↗	Type	Attached via ↗
<input type="checkbox"/>	IAMUserChangePassword	AWS managed	Directly