

Experiment 1B**Aim : AWS (EC2) Installation steps for Linux instance**

1. Open your AWS account and search for Cloud9 service inside Developer tools. Create a new Cloud9 environment by filling in the required details. Make sure you use an EC2 instance to create your environment.

Create environment [Info](#)

Details

Name

Limit of 60 characters, alphanumeric, and unique per user.

Description - optional

Limit 200 characters.

Environment type [Info](#)
Determines what the Cloud9 IDE will run on.

☒ **New EC2 instance**
Cloud9 creates an EC2 instance in your account. The configuration of your EC2 instance cannot be changed by Cloud9 after creation.

☐ **Existing compute**
You have an existing instance or server that you'd like to use.

2) Select T2 Micro

New EC2 instance

Instance type [Info](#)
The memory and CPU of the EC2 instance that will be created for Cloud9 to run on.

☒ **t2.micro (1 GiB RAM + 1 vCPU)**
Free-tier eligible. Ideal for educational users and exploration.

☐ **t3.small (2 GiB RAM + 2 vCPU)**
Recommended for small web projects.

☐ **m5.large (8 GiB RAM + 2 vCPU)**
Recommended for production and most general-purpose development.


☐ **Additional instance types**
Explore additional instances to fit your need.

Platform [Info](#)
This will be installed on your EC2 instance. We recommend Amazon Linux 2023.

Timeout
How long Cloud9 can be inactive (no user input) before auto-hibernating. This helps prevent unnecessary charges.




3) See your summary

AtharvCloud9

DeleteOpen in Cloud9 


Details


Edit


Name	Owner ARN	Status
AtharvCloud9	 arn:aws:sts::742555988891:assumed-role/voclabs/user3385487=NIKAM_ATHARV_SANJAY	 Ready
Description		Lifecycle status
Cloud9 installation		 Created
Environment type	Number of members	
EC2 instance	1	




[AWS Cloud9](#) > Environments

Environments (1)

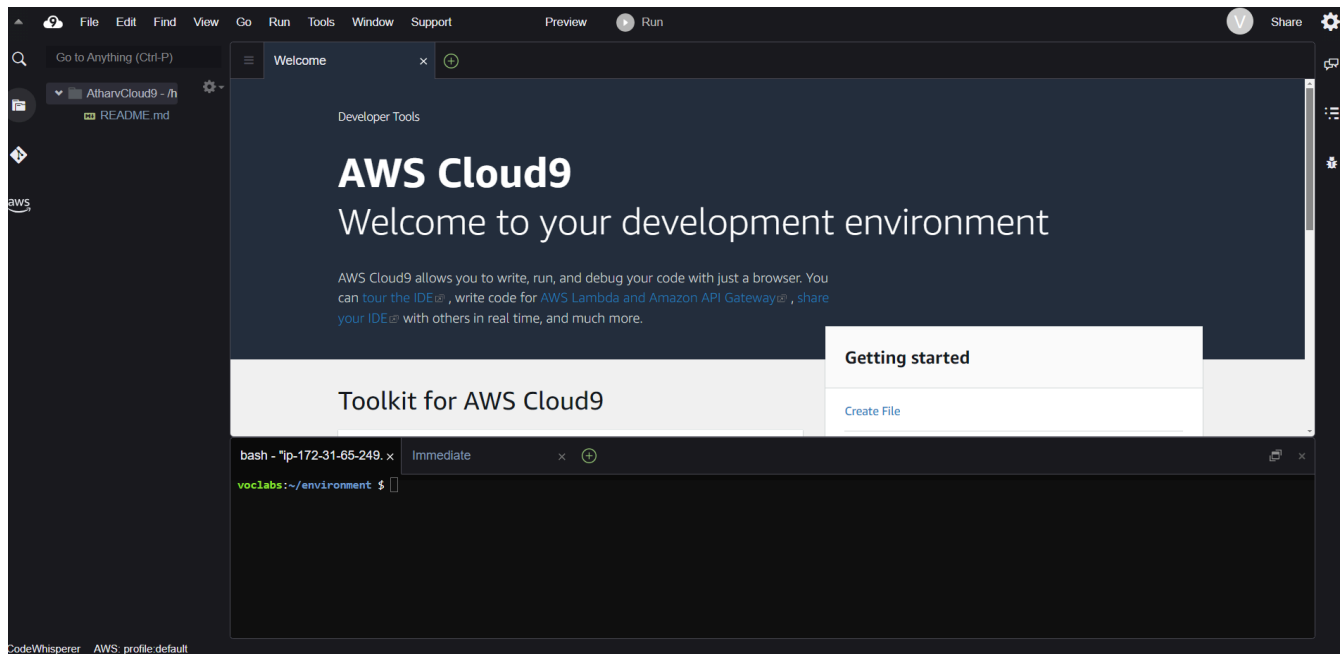
DeleteView detailsOpen in Cloud9 Create environment

My environments 

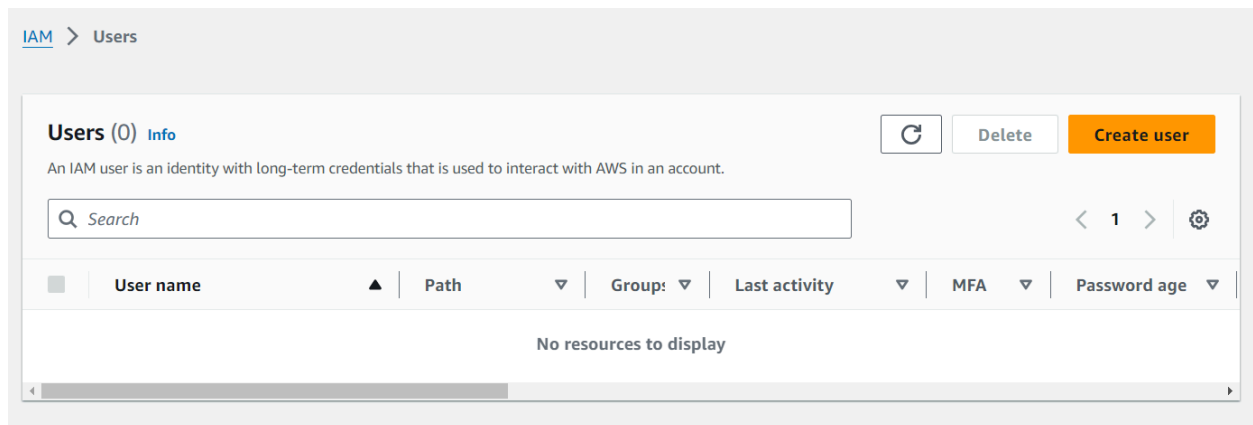
< 1 > 

	Name ▲	Cloud9 IDE 	Environment type	Connection	Permission	Owner ARN
	AtharvCloud9	Open	EC2 instance	Secure Shell (SSH)	Owner	 arn:aws:sts::742555988891:assumed-role/voclabs/user3385487=NIKAM_ATHARV_SANJAY

4)Your Aws Cloud9 Console will open



5)Click On IAM and create a new user



6)Enter your userName

[IAM](#) > [Users](#) > Create user

Step 1
Specify user details

Step 2
Set permissions

Step 3
Review and create

Specify user details

User details

User name

The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ _ - (hyphen)

☐ Provide user access to the AWS Management Console - *optional*
If you're providing console access to a person, it's a [best practice](#) to manage their access in IAM Identity Center.

i If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. [Learn more](#)

CancelNext

7)Enter a Password

Center, you can centrally manage user access to their AWS accounts and cloud applications.

i I want to create an IAM user
We recommend that you create IAM users only if you need to enable programmatic access through access keys, service-specific credentials for AWS CodeCommit or Amazon Keyspaces, or a backup credential for emergency account access.

Console password

☐ Autogenerated password
You can view the password after you create the user.

☒ Custom password
Enter a custom password for the user.

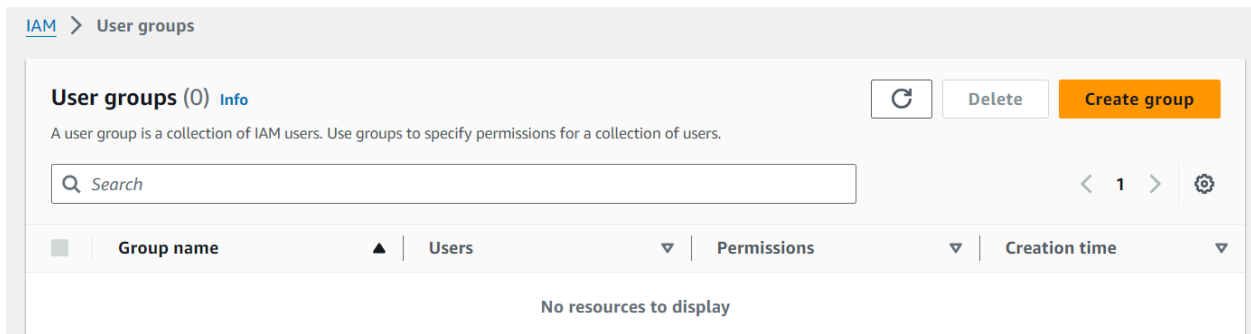
☐ Show password

☒ Users must create a new password at next sign-in - Recommended
Users automatically get the [IAMUserChangePassword](#) policy to allow them to change their own password.

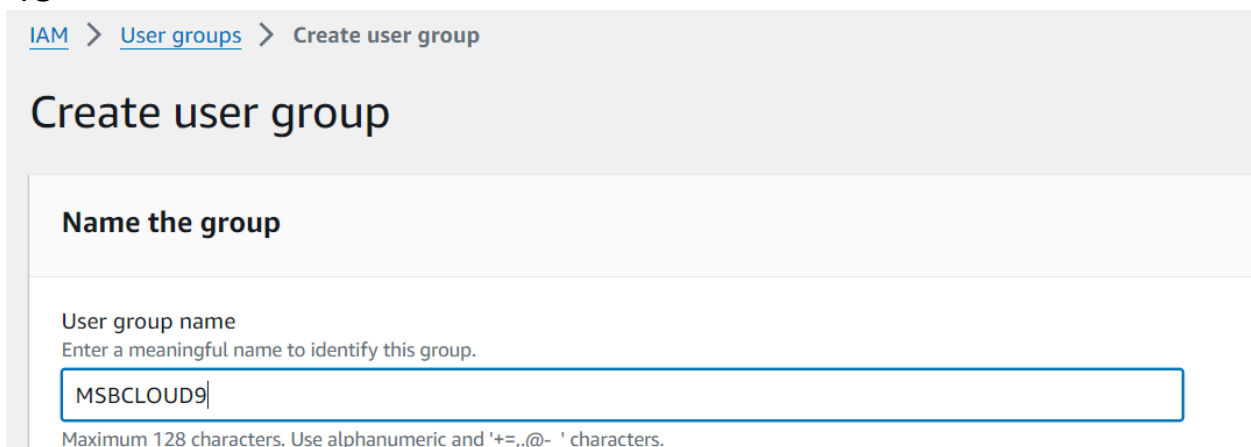
i If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. [Learn more](#)

CancelNext

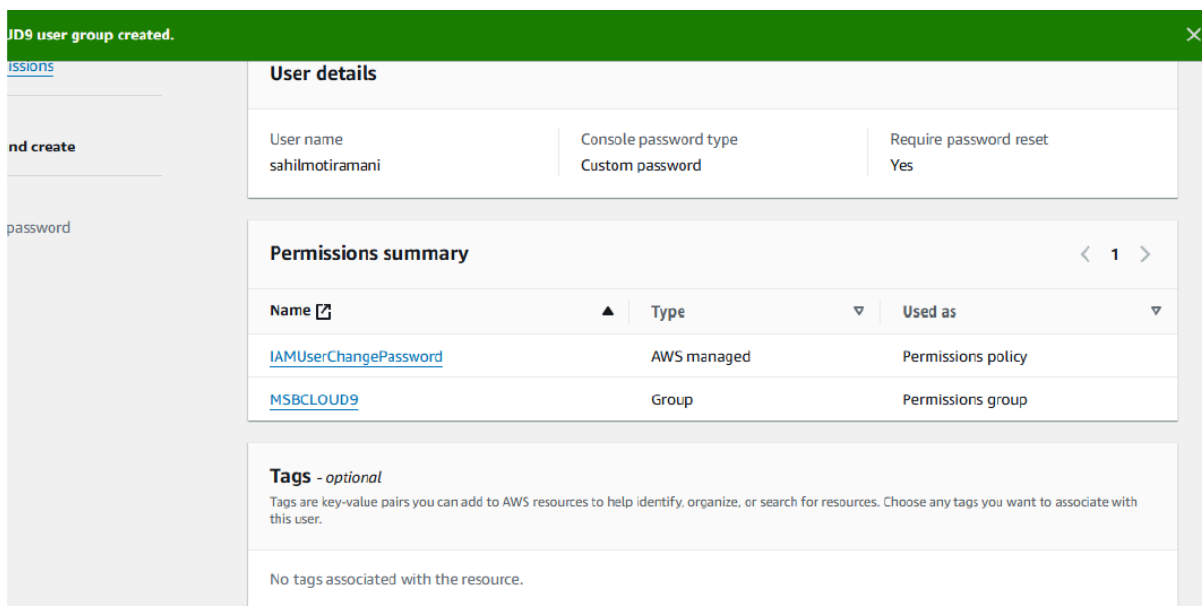
8) Now similarly Create a group



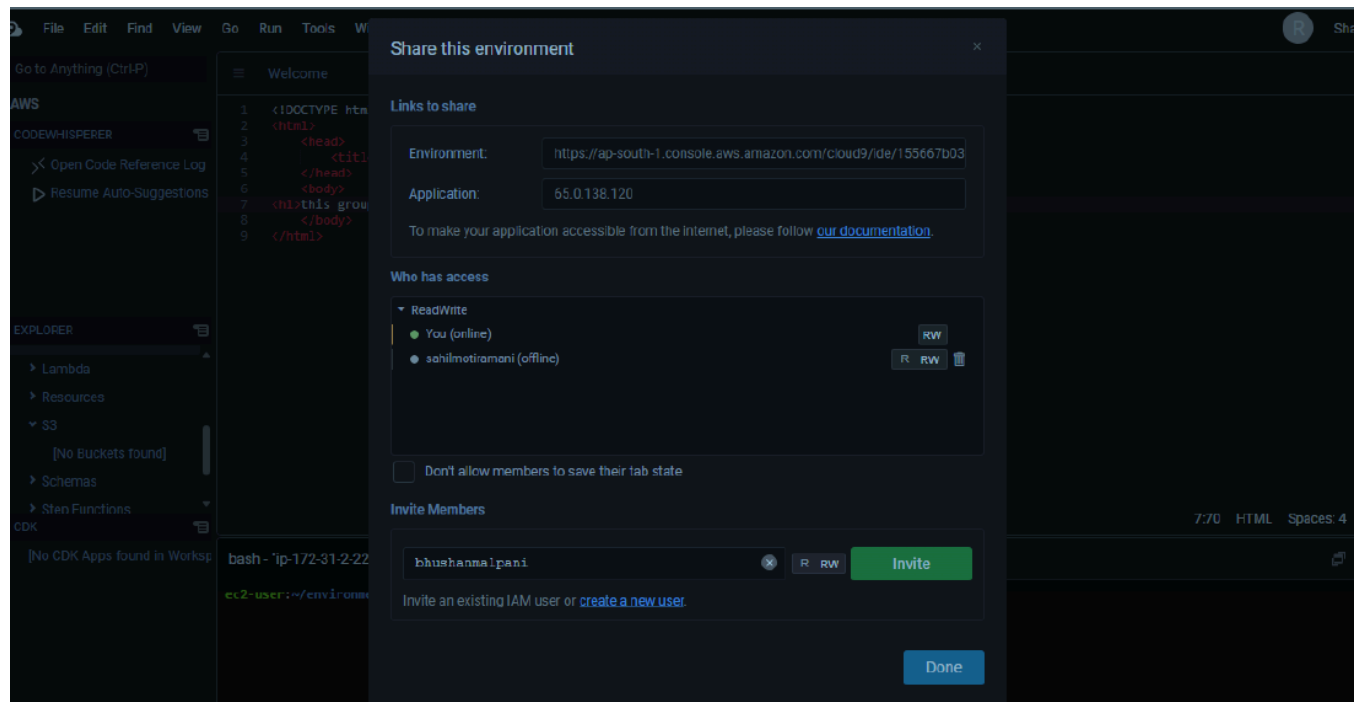
9) give a name



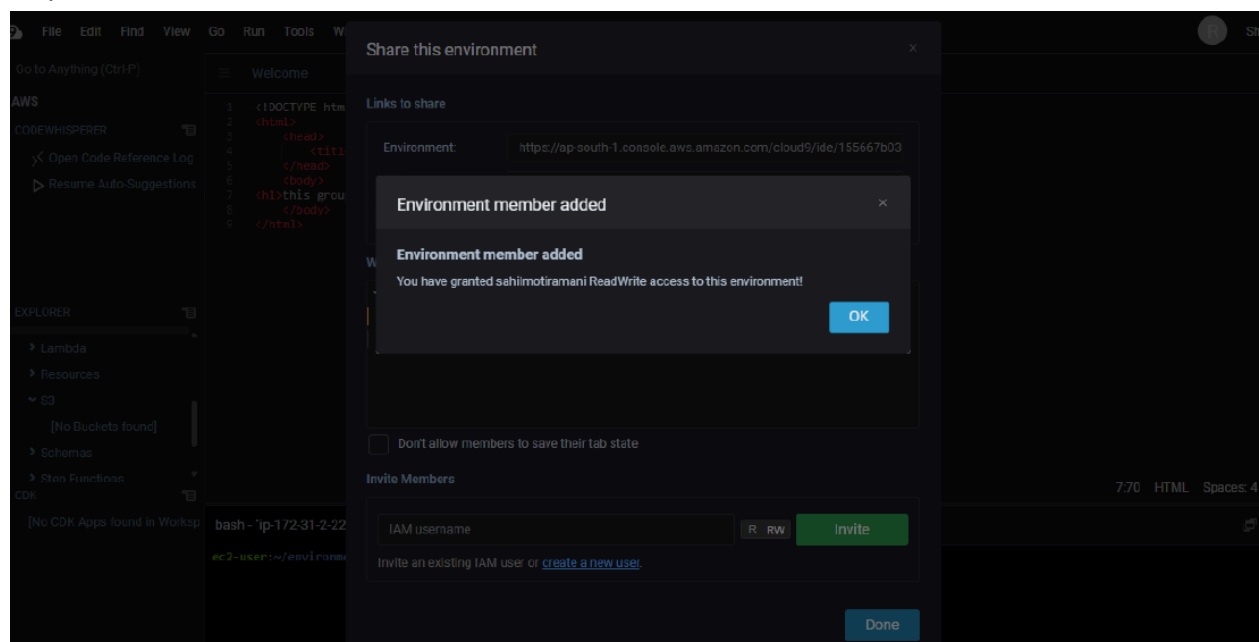
10) The user has successfully been created i.e There is a custom made username and a password for the IAM user.



11) Now you can share your environment now you can add collaborators



12) New Member added



We were required to log in from another browser using the IAM user's credentials to gain access to the shared Cloud9 environment. Unfortunately, we were unable to complete these steps because the Cloud9 services were disrupted, which also blocked remote access to the IAM user account. This disruption has prevented us from performing the necessary actions, leaving us unable to access the shared environment as intended.