

Exp 1b: Cloud9 Setup and Launch, Collaboration demonstration by creation of IAM groups and users.

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.

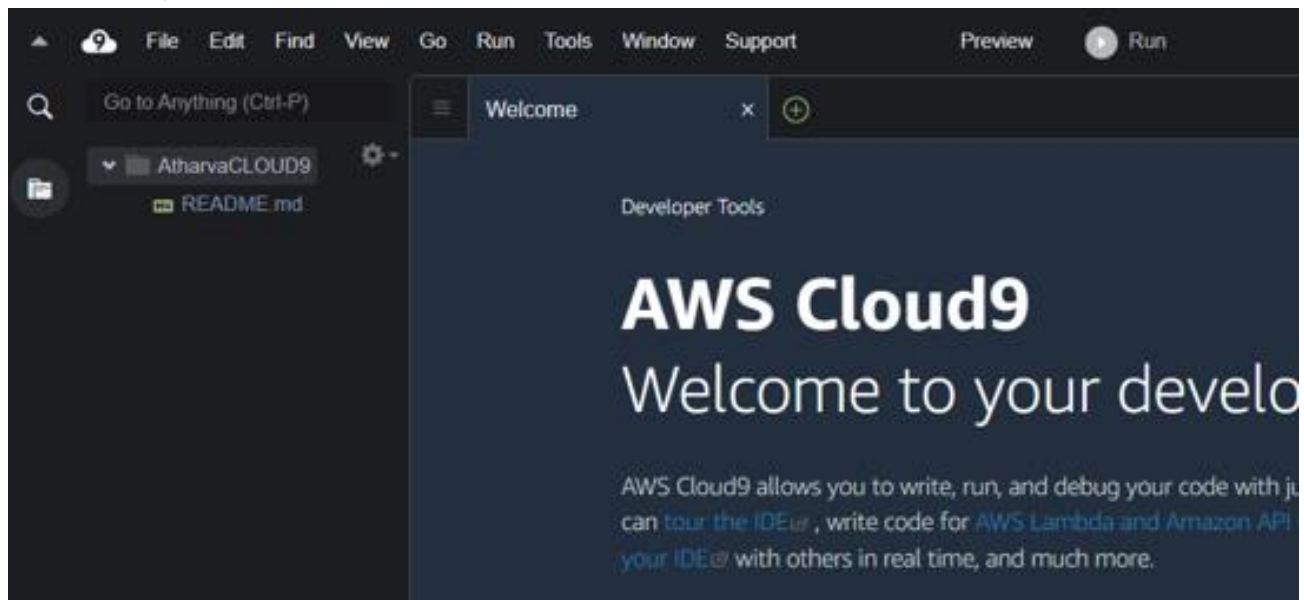
The screenshot shows the 'Create environment' page in the AWS Cloud9 console. The 'Details' section includes a 'Name' field with the value 'AtharvaCLOUD9', a 'Description' field with the value 'This is my First CLOUD9 installation', and an 'Environment type' section where 'New EC2 instance' is selected. The page also shows a 'New EC2 instance' section with various configuration options.

2.

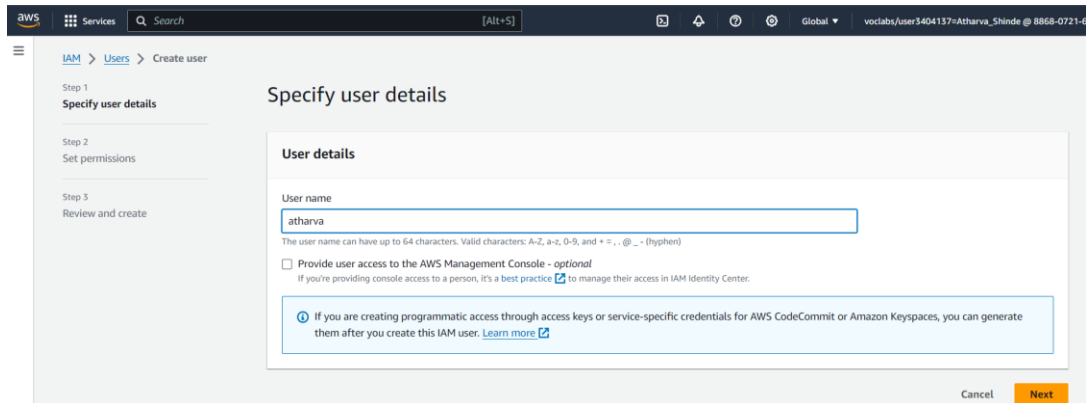
The screenshot shows the 'New EC2 instance' page in the AWS Cloud9 console. The 'Instance type' section has three options: 't2.micro (1 GiB RAM + 1 vCPU)' which is selected, 't3.small (2 GiB RAM + 2 vCPU)', and 'm5.large (8 GiB RAM + 2 vCPU)'. The 'Platform' section shows 'Amazon Linux 2023' selected. The 'Timeout' section shows '30 minutes' selected.

3.

4. We have successfully setup and launched our Cloud9 environment. Over here, we can build and develop programs as per our desire. We are also allowed to collaborate with multiple other users and access shared resources.



5. Moving on, we are supposed to create a new user. Give a suitable name to the user and decide the password for the same.



☒ **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.

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.

Info 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](#)

Cancel **Next**

6. Similarly, create a new group and provide a suitable name for the same. Include the IAM users in this group together for our convenience i.e to provide similar kinds of permissions to the entire group rather than an individual user.

Successfully created AtharvaCLOUD9. To get the most out of your environment, see [Best practices for using AWS Cloud9](#)

AWS Cloud9 > Environments

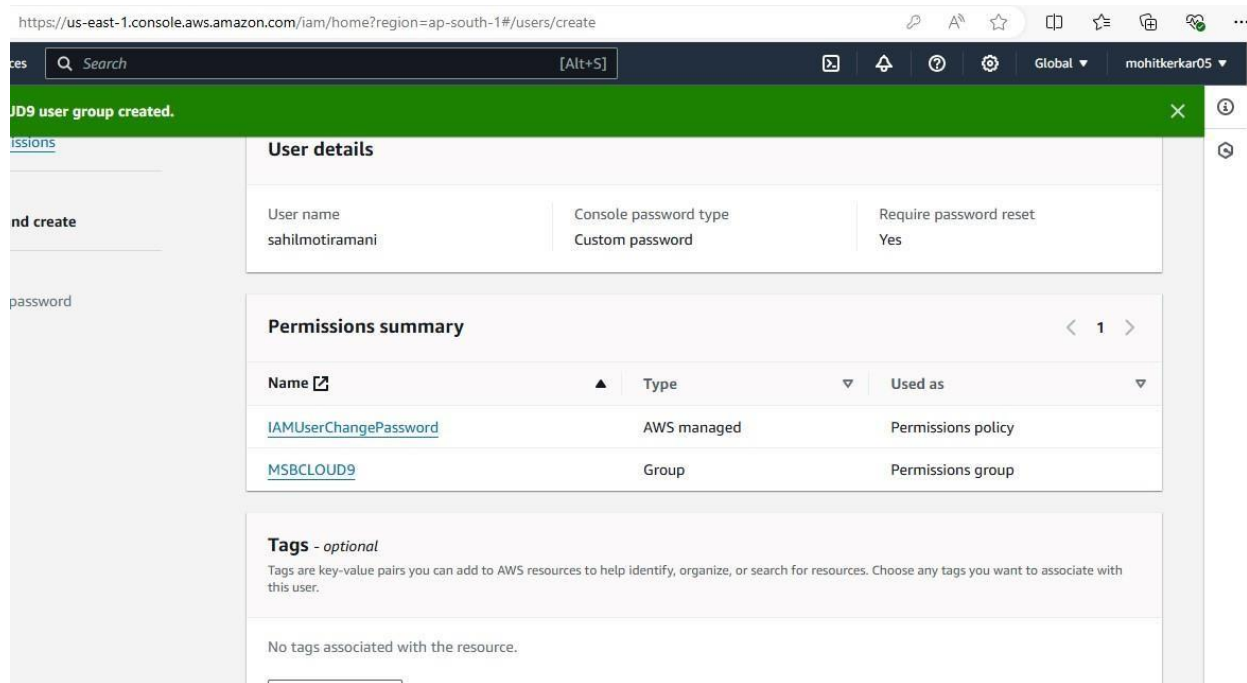
Environments (2) Delete View details Open in Cloud9 Create environment

My environments

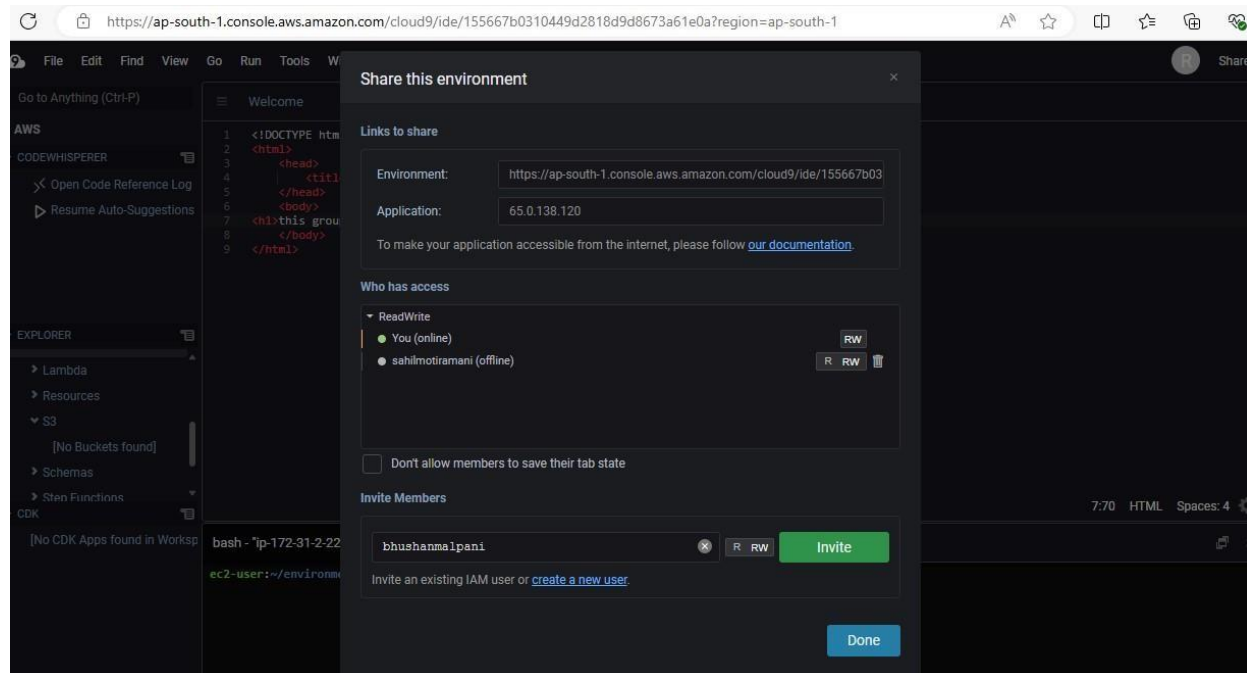
	Name	Cloud9 IDE	Environment type	Connection	Permission	Owner ARN
<input type="radio"/>	AtharvaCLOUD9	Open	EC2 instance	Secure Shell (SSH)	Owner	arn:aws:sts::886807216329:assumed-role/voclabs/user3404137=Atharva_Shinde
<input type="radio"/>	WebApplIDE	Open	EC2 instance	Secure Shell (SSH)	Owner	arn:aws:sts::886807216329:assumed-role/voclabs/user3404137=Atharva_Shinde

7.

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



9. Go back to the cloud9 environment. Click on share this environment option so as to allow other collaborators to access you environment. Include your newly made IAM user in this environment and enable Read/Write permissions for it



10. Further, we are supposed to login from another browser using the credentials of the IAM user, so as to access the shared cloud9 environment with us.
- These steps could not be completed because Cloud9 services have been disrupted and there is no access to the IAM user from the remote login

