



Semester: V
Academic Year: 2024-25
Class / Branch: TE IT
Subject: Advanced Devops Lab (ADL)
Name of Instructor: Prof. Manjusha Kashilkar

Name of Student: Harsh Prajapati
Student ID: 22104188

EXPERIMENT NO. 01

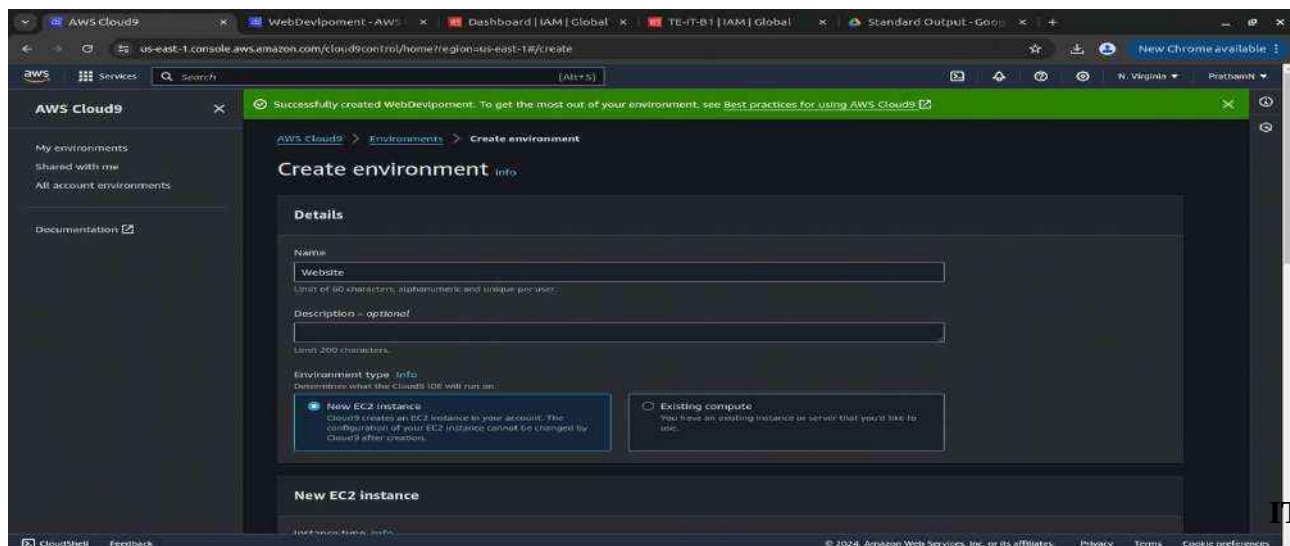
Aim: To understand the benefits of Cloud Infrastructure and Setup AWS Cloud9 IDE, Launch AWS Cloud9 IDE and Perform Collaboration Demonstration.

Steps:

1. Login with your AWS account.
2. Navigate to Cloud 9 service from Developer tools section as below:
3. Click on Create Environment :

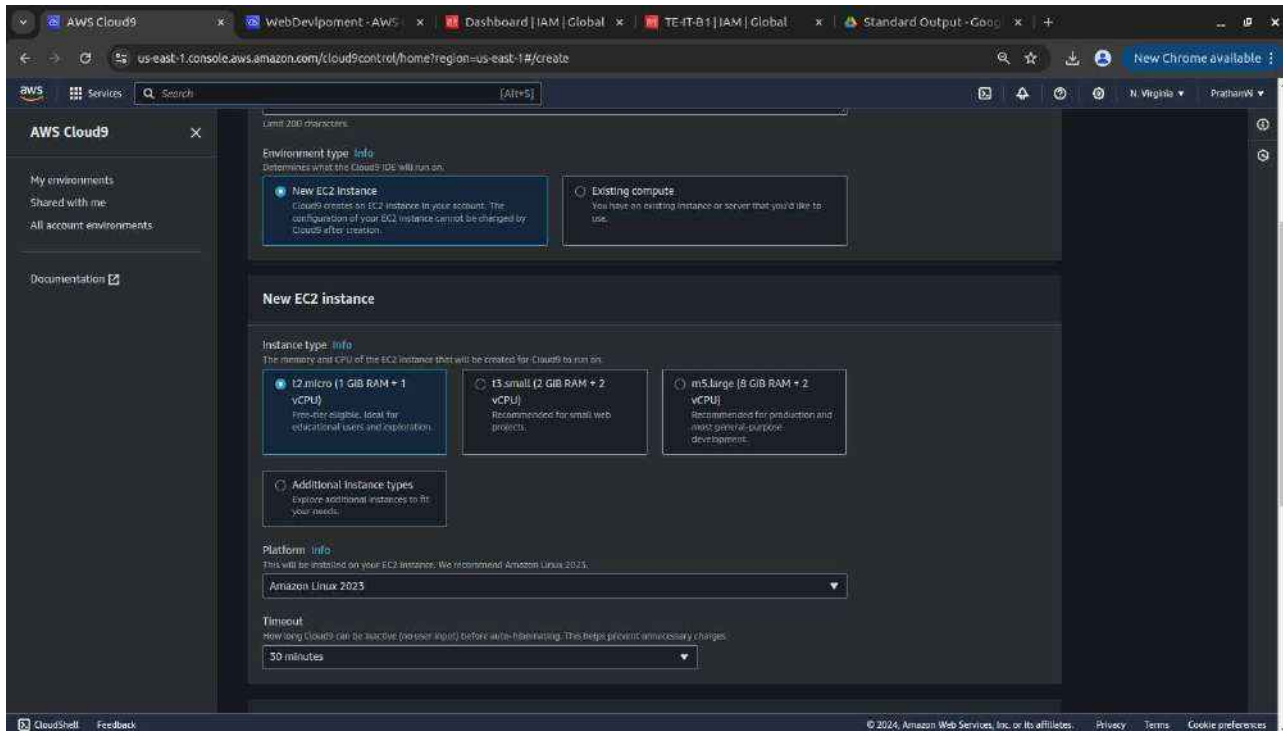


4. Provide name for the Environment (WebAppIDE) and click on next.

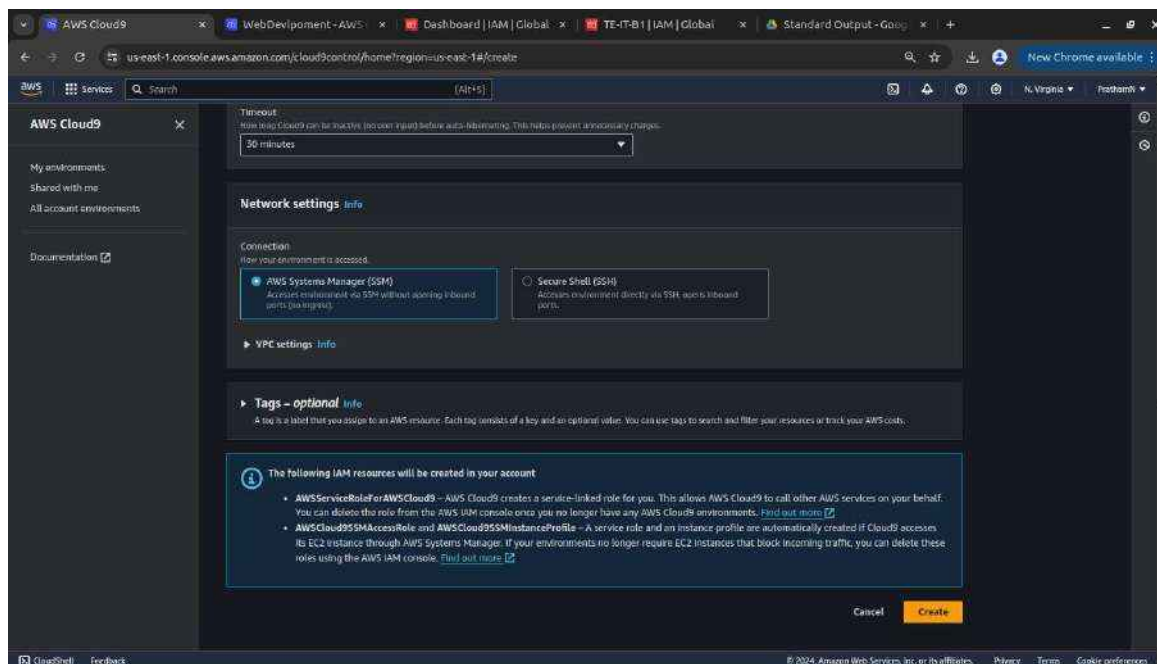




5. Keep all the Default settings as shown in below:



6. Review the Environment name and Settings and click on Create Environment:

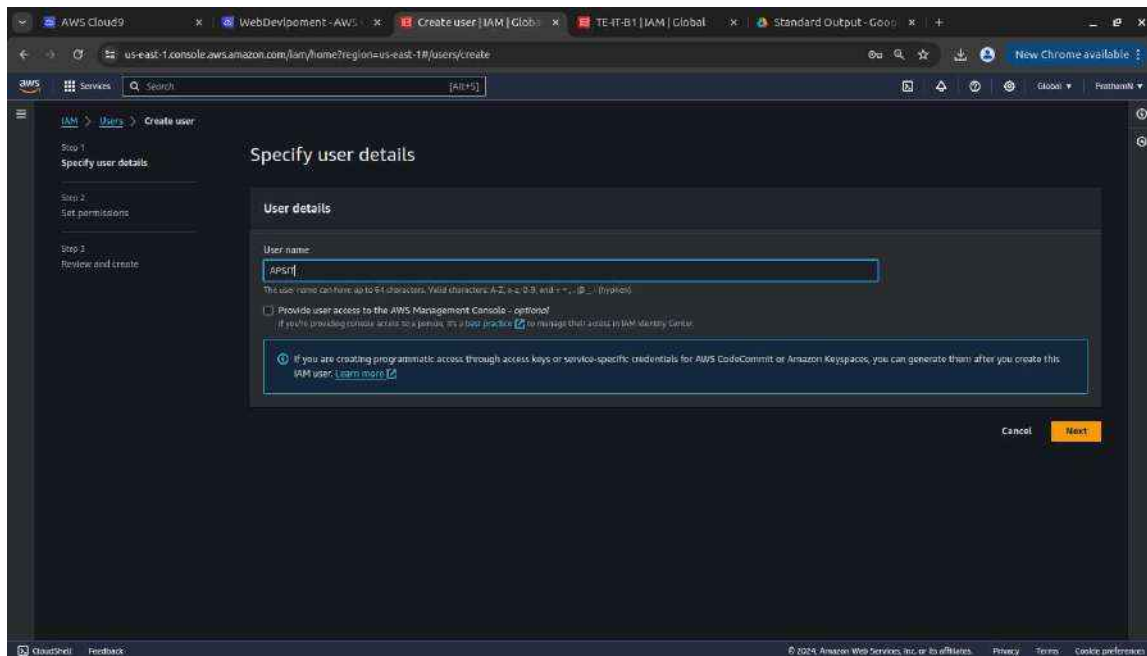




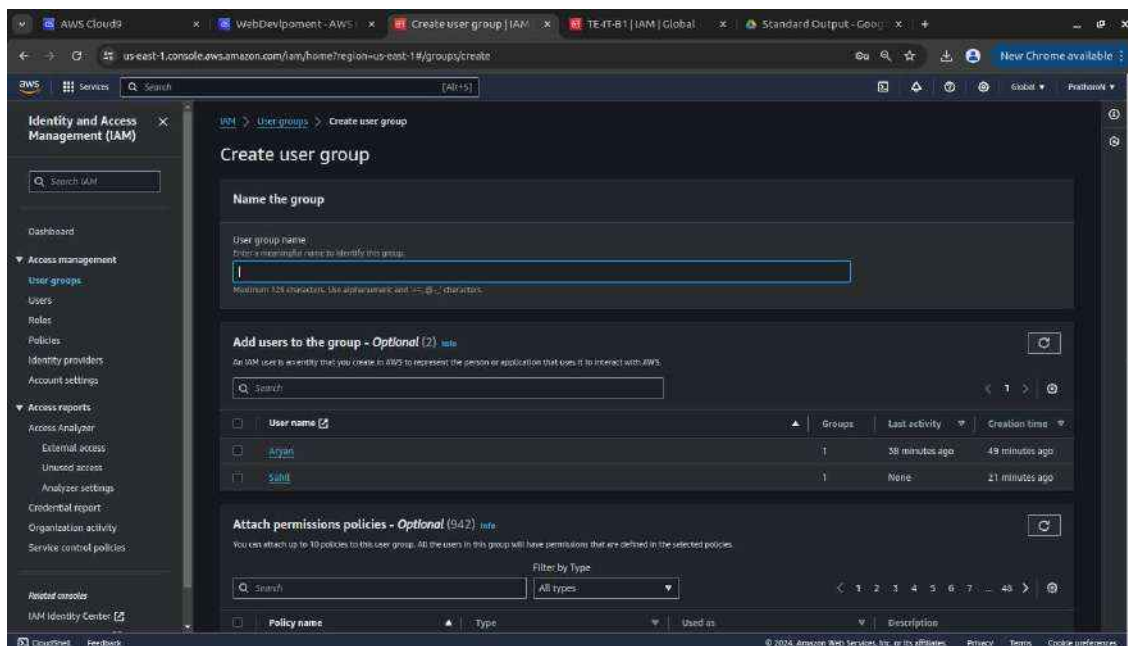
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8. Add user provide manual password if you want and click on Next permission tab.

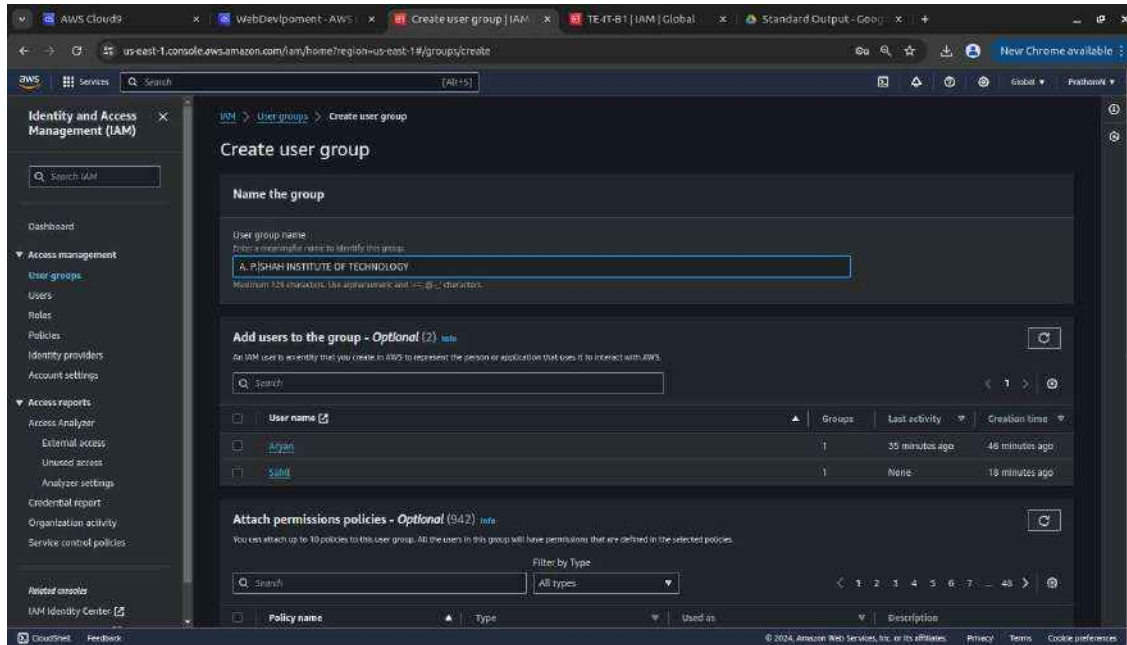


9. Click on Create group





10. Provide group name and click on create group.



11. After that group is created click on next if u want to provide tag else click on Review for user settings and click on create user as shown in fig.

Add user

12345

Review

Review your choices. After you create the user, you can view and download the autogenerated password and access key.

User details

User name	apsit
AWS access type	AWS Management Console access - with a password
Console password type	Custom
Require password reset	No
Permissions boundary	Permissions boundary is not set

Permissions summary

The user shown above will be added to the following groups.

Type	Name
Group	WebAppapsitgroup

Tags

No tags were added.

Cancel

Previous

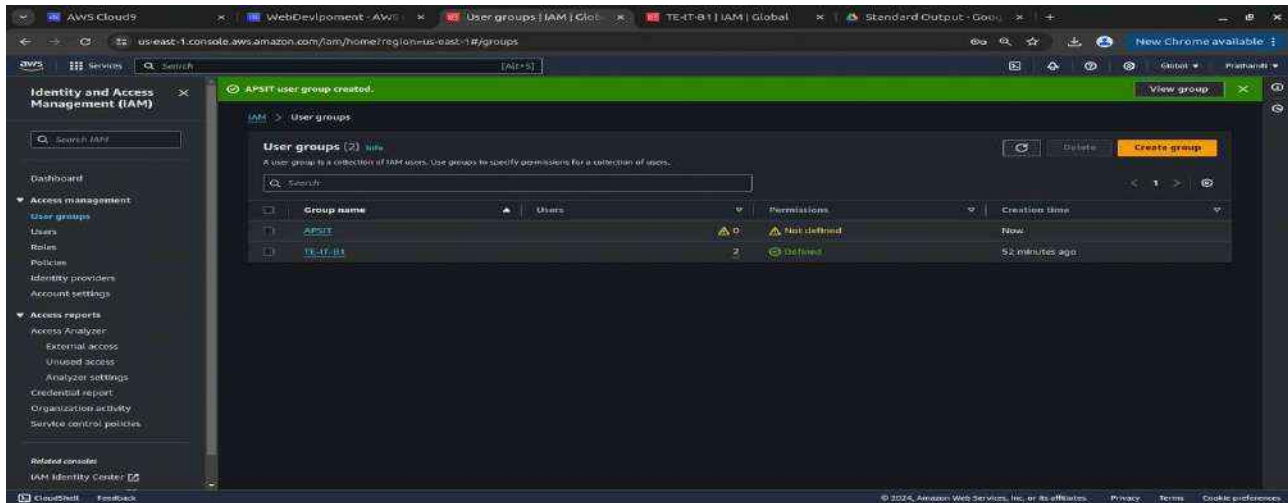
Create user



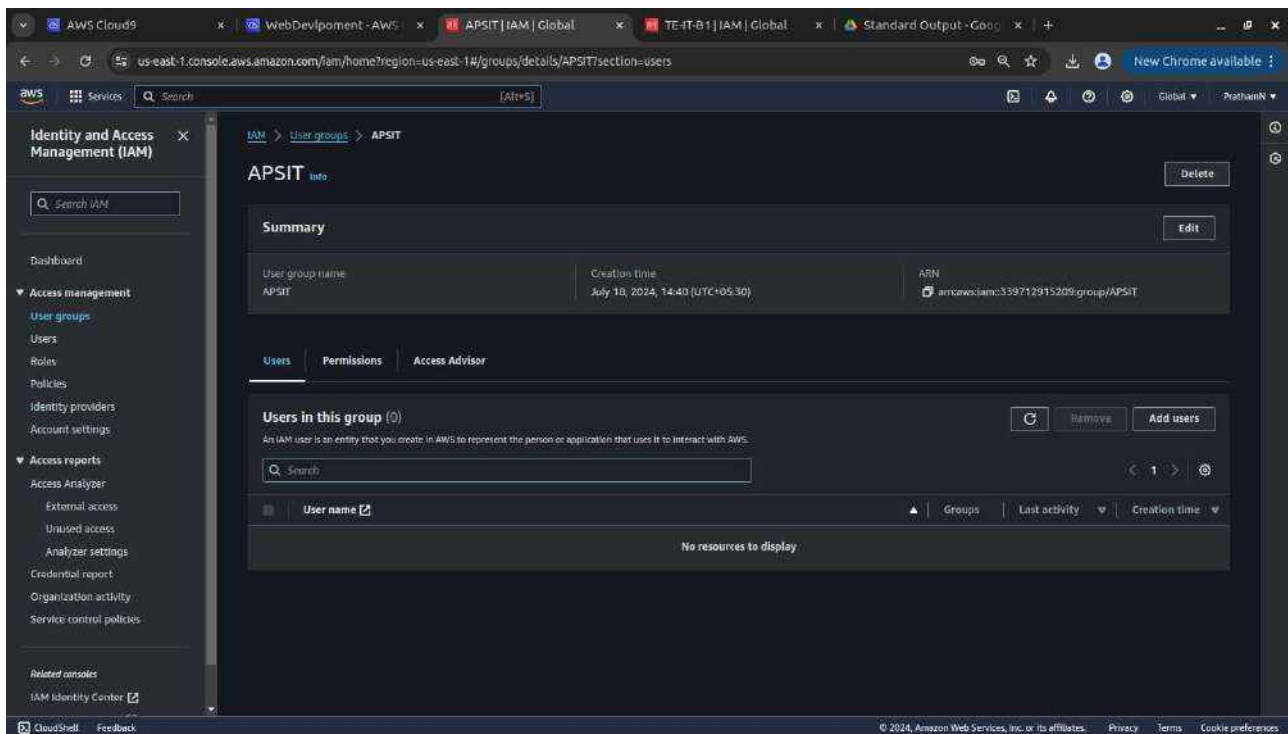
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12. Now close that window and Navigate to user Groups from left pane in IAM.

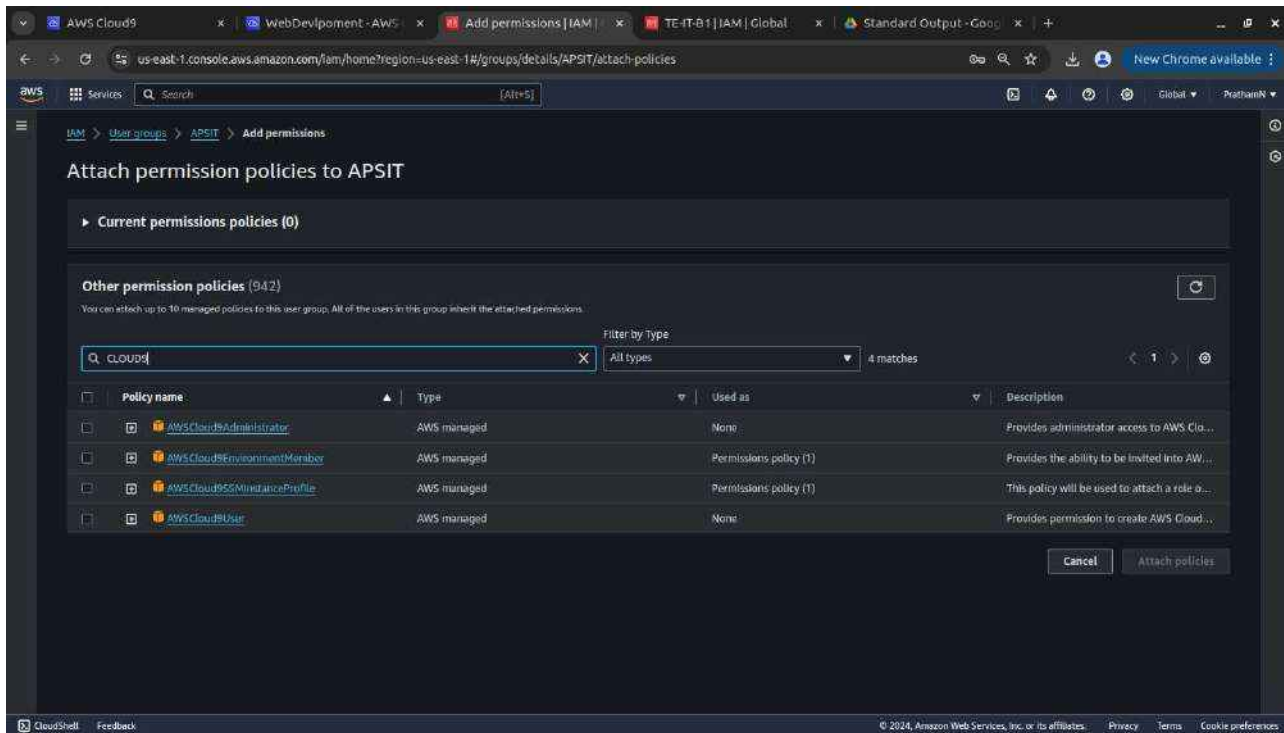


13. click on your group name which you have created and navigate to permission tab as shown:

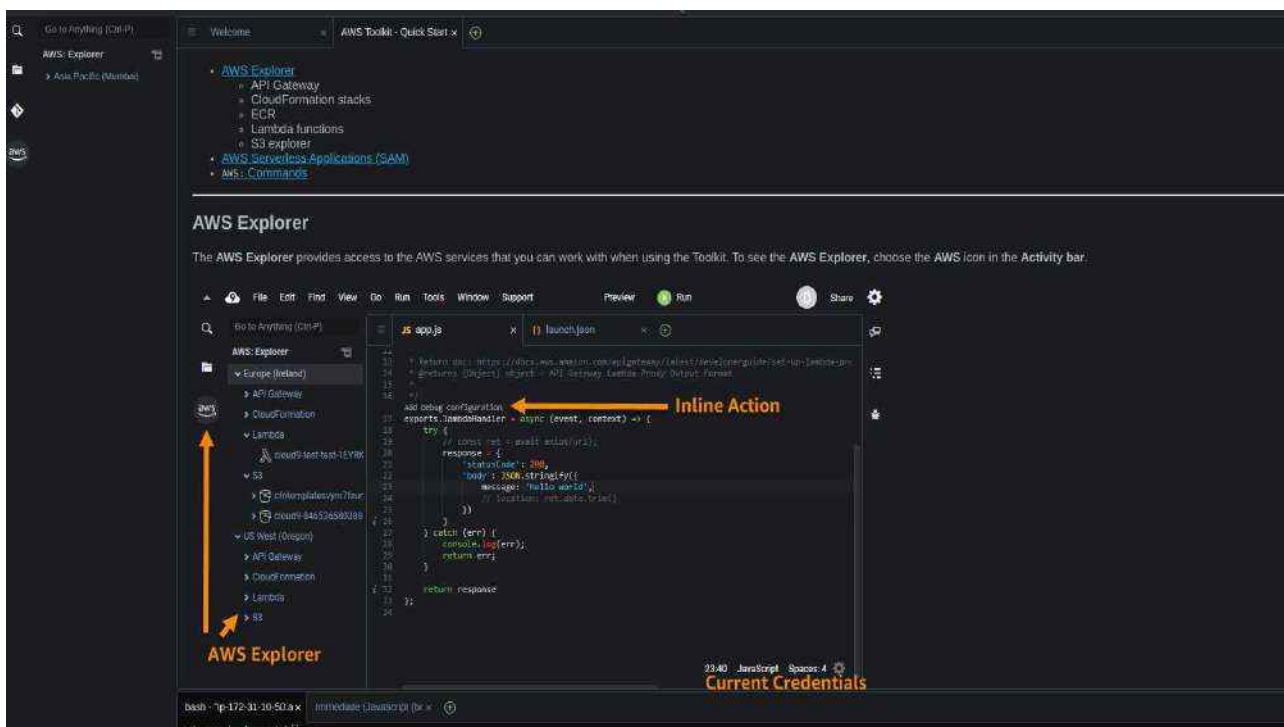




14. Now click on Add permission and select Attach Policy after that search for Cloud9 related policy and select Awscloud9EnvironmentMember policy and add it.



15. now we move towards our cloud9 IDE Enviornment tab it shows as shown :





16. If you check at bottom side Cloud9 IDE also giving you and aws CLI for command operations: as we here checked git version, iam user details and so on...

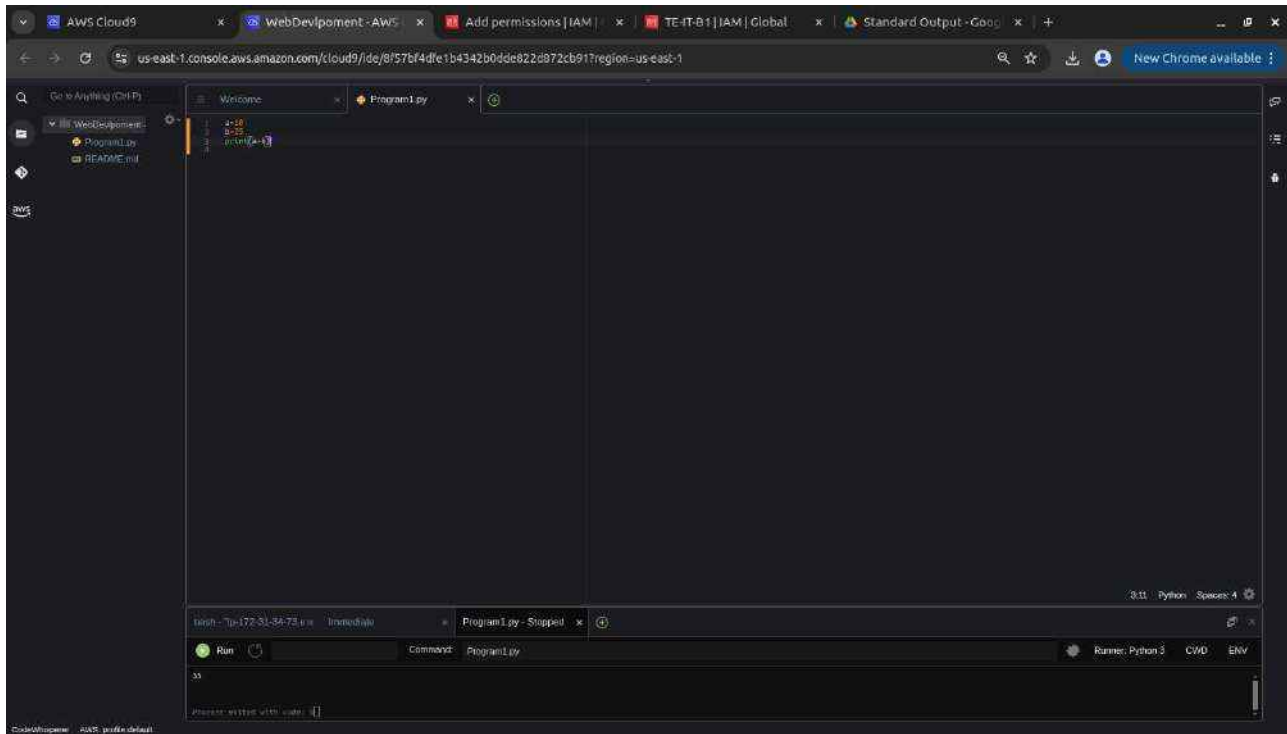
```
bash - "ip-172-31-10-50.a x Immediate (Javascript (br x +
ec2-user:~/environment $ git --version
ec2-user:~/environment $ git --version
git version 2.23.4
ec2-user:~/environment $ aws iam get-user
{
  "User": {
    "PasswordLastUsed": "2021-07-07T05:34:24Z",
    "CreateDate": "2021-06-03T18:03:54Z",
    "UserId": "229296960472",
    "Arn": "arn:aws:iam::229296960472:root"
  }
}
```

17. Now we will setup collaborative environment Click on File you can create new file or choose from template, here m opting html file to collaborate.

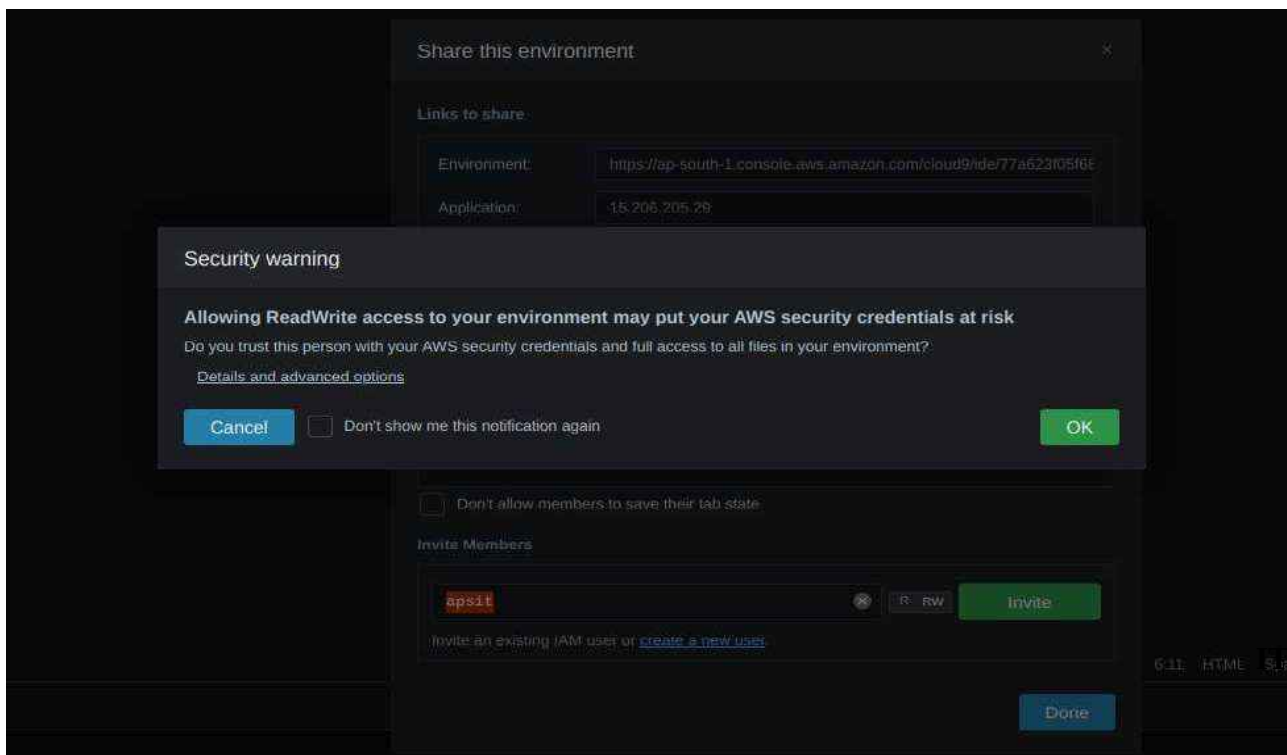




18. Edit html file and save it



19. now in order to share this file to collaborate with other members of your team click on Share option on Right Pane and username which you created in IAM before into Invite members and enable permission as RW (Read and Write) and click on Done. Click OK for Security warning.





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20. Now Open your Browsers Incognito Window and login with IAM user which you configured before.



Sign in



Root user

Account owner that performs tasks requiring unrestricted access. [Learn more](#)



IAM user

User within an account that performs daily tasks. [Learn more](#)

Account ID (12 digits) or account alias

229296960472

☐ Remember this account

Next

By continuing, you agree to the [AWS Customer Agreement](#) or other agreement for AWS services, and the [Privacy Notice](#). This site uses essential cookies. See our [Cookie Notice](#) for more information.

New to AWS?

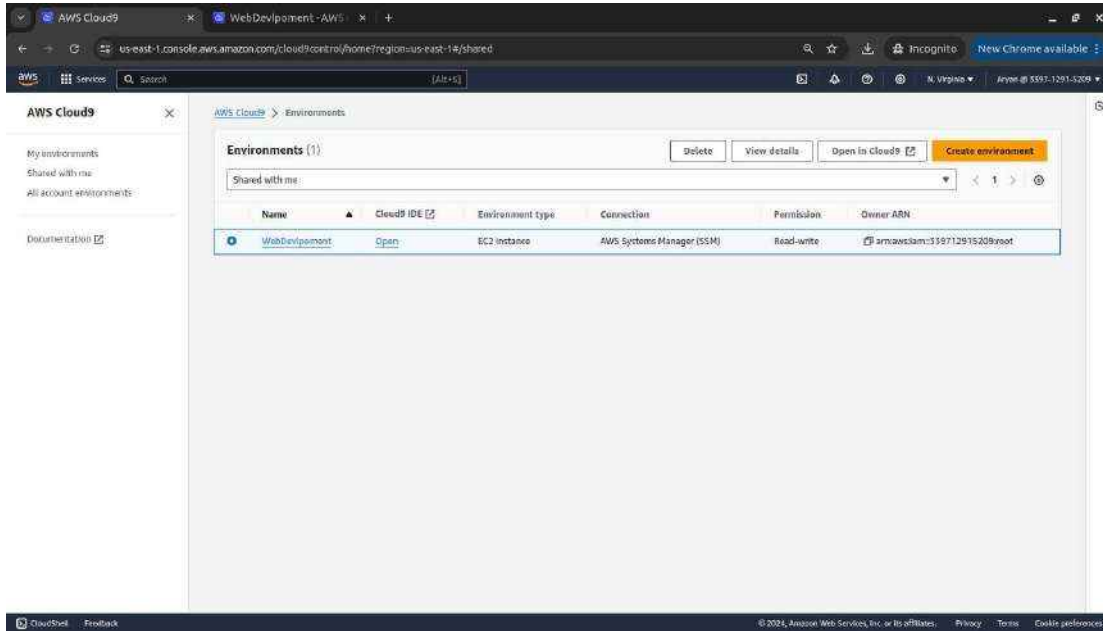
Create a new AWS account



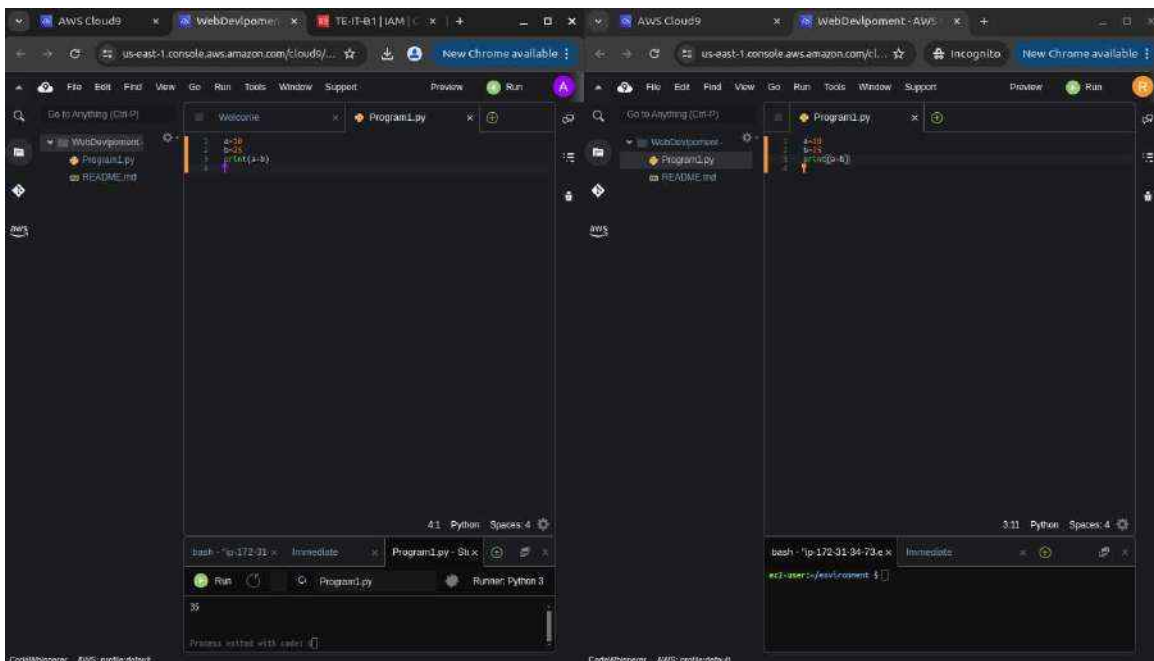
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21. After Successful login with IAM user open Cloud9 service from dashboard services and click on shared with you environment to collaborate.

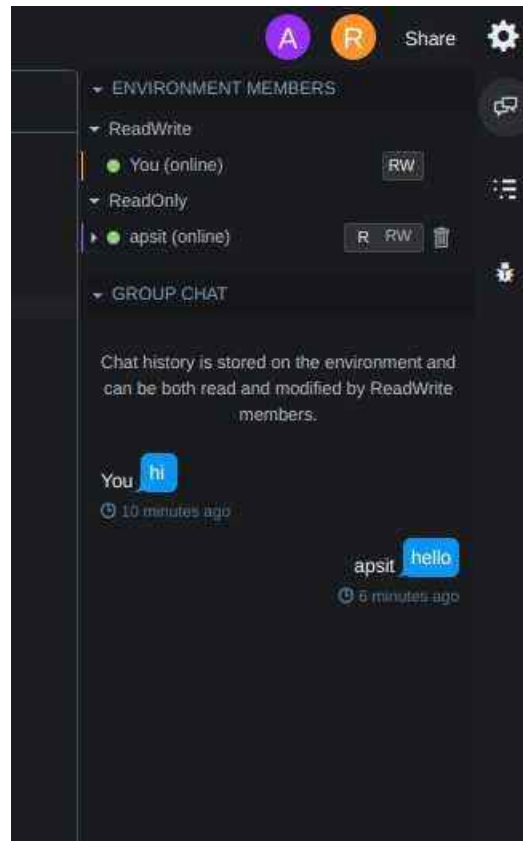


22. Click on Open IDE you will same interface as your other member have to collaborate in real time, also you all within team can do group chats as shown below:





24. you can also explore settings where you can update permissions of your temmates as from RW to R only or you can remove user too.



For more info related to AWS-Cloud 9 you all can refer following Docs.

<https://docs.aws.amazon.com/cloud9/latest/user-guide/aws-cloud9-ug.pdf>

Conclusion: Write your own findings.