**Cloud Computing Lab Nayab Khazin**

**BSE-V B**

**2023-BSE-046**

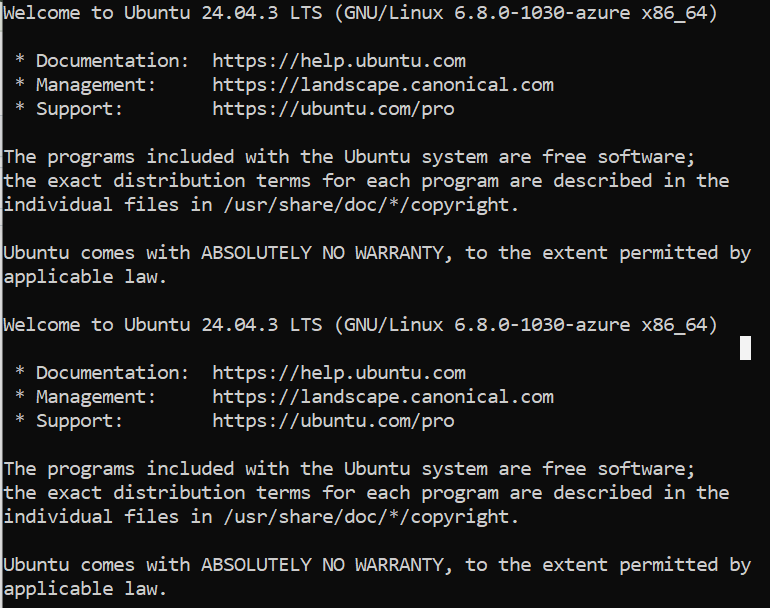
**LAB 13**

# Task 0 Lab Setup (Codespace & GH CLI)

* task0\_codespace\_create\_and\_list.png



* task0\_codespace\_ssh\_connected.png

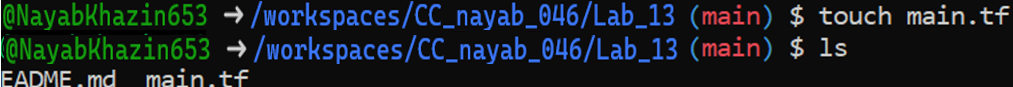


# Task 1 — Create IAM Group and Output Details

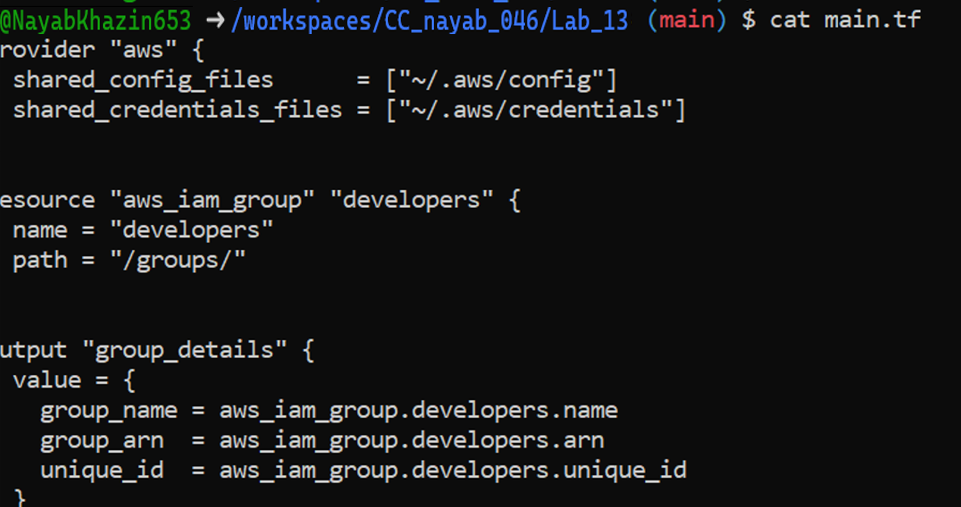
* task1\_project\_directory.png



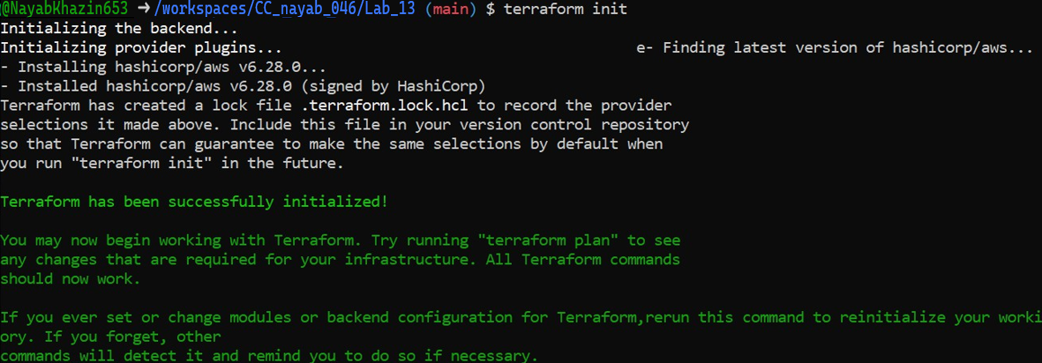
* task1\_file\_created.png



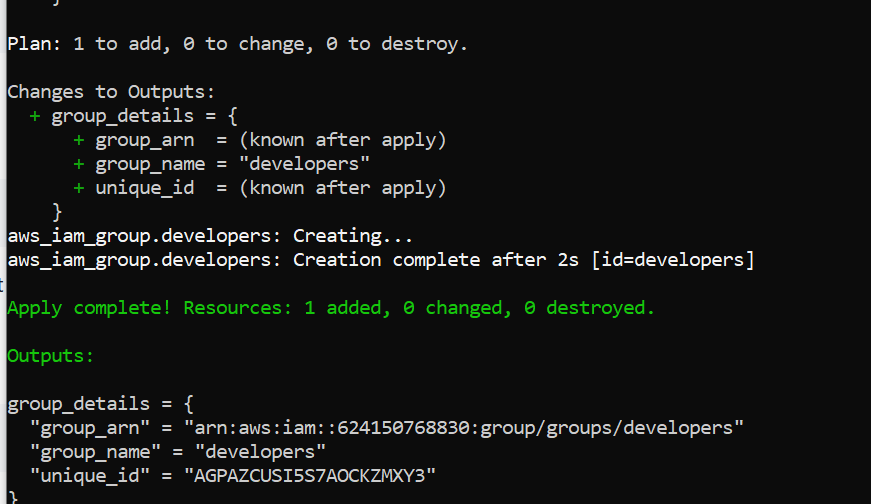
* task1\_main\_tf.png



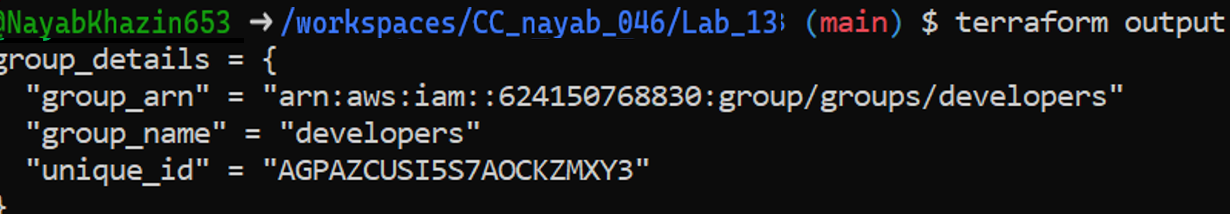
* task1\_terraform\_init.png



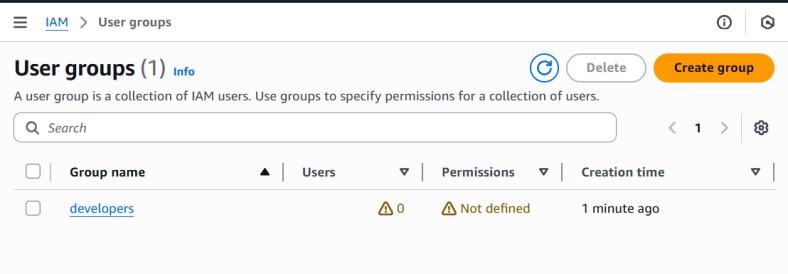
* task1\_terraform\_apply.png



* task1\_terraform\_output.png

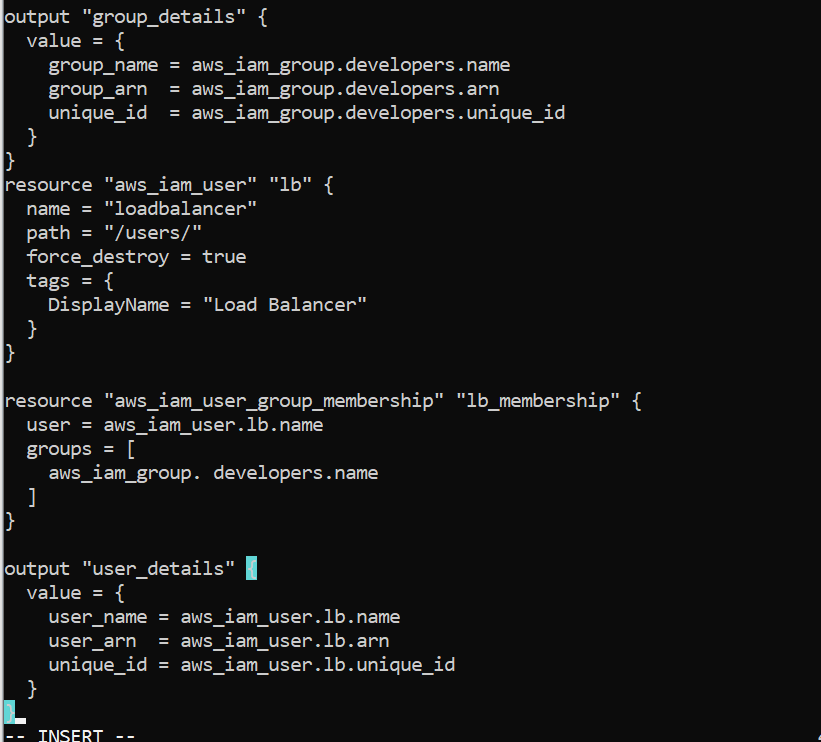


* task1\_aws\_console\_group.png

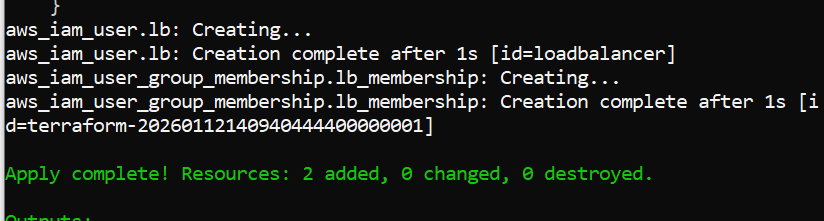


# Task 2 — Create IAM User with Group Membership

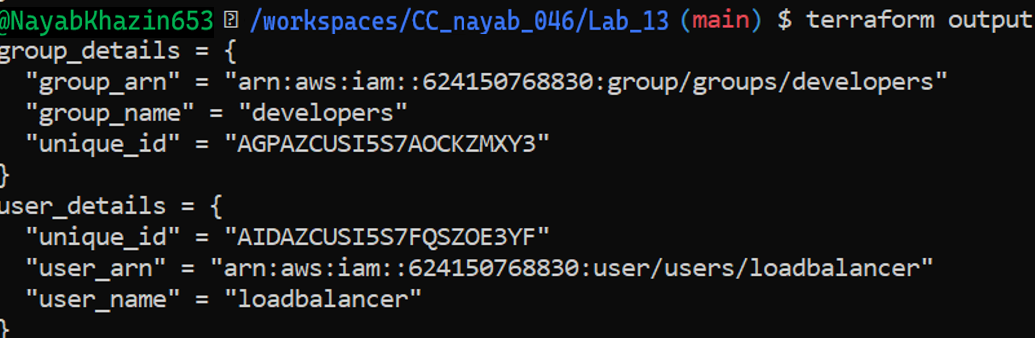
* task2\_main\_tf\_user.png



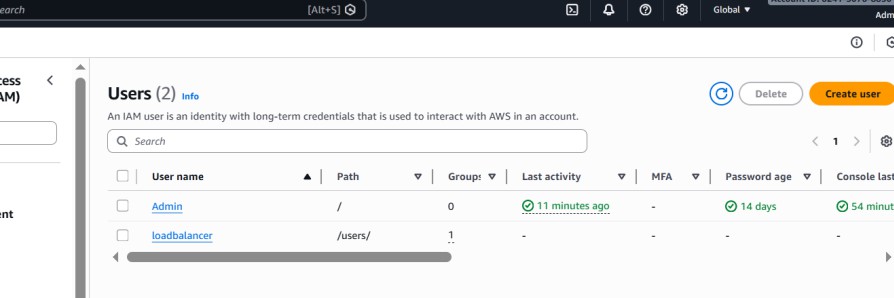
* task2\_terraform\_apply.png



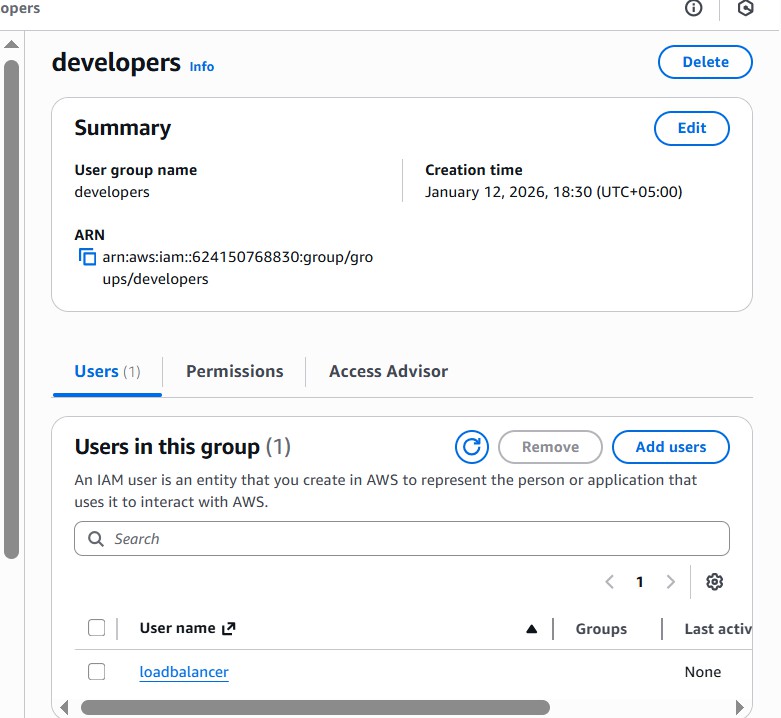
* task2\_terraform\_output.png



* task2\_aws\_console\_user.png

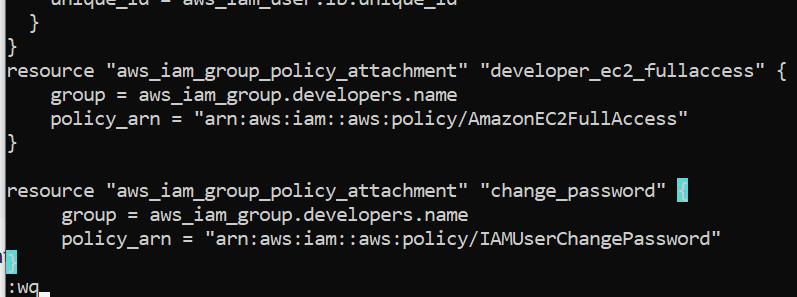


* task2\_aws\_console\_user\_groups.png

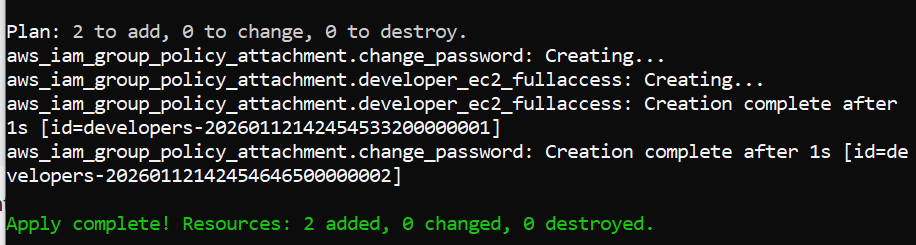


# Task 3 — Attach Policies to IAM Group

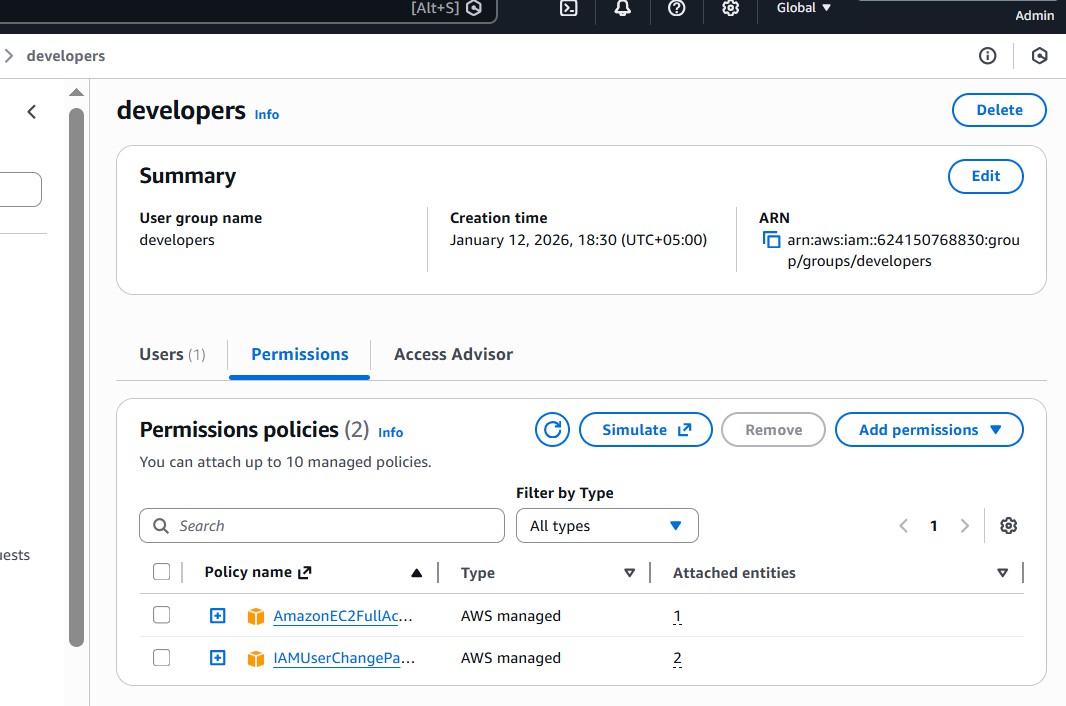
* task3\_main\_tf\_policies.png



* task3\_terraform\_apply.png

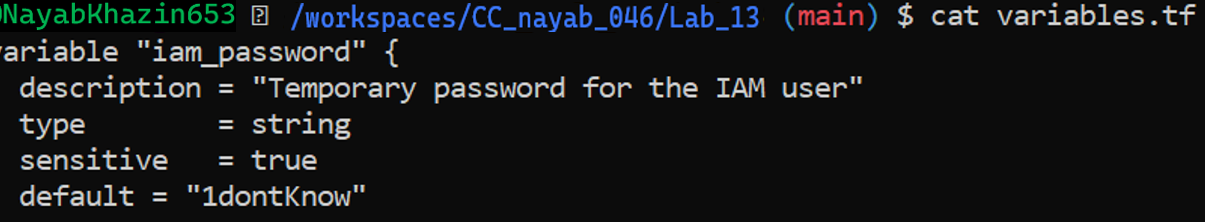


* task3\_aws\_console\_policies.png

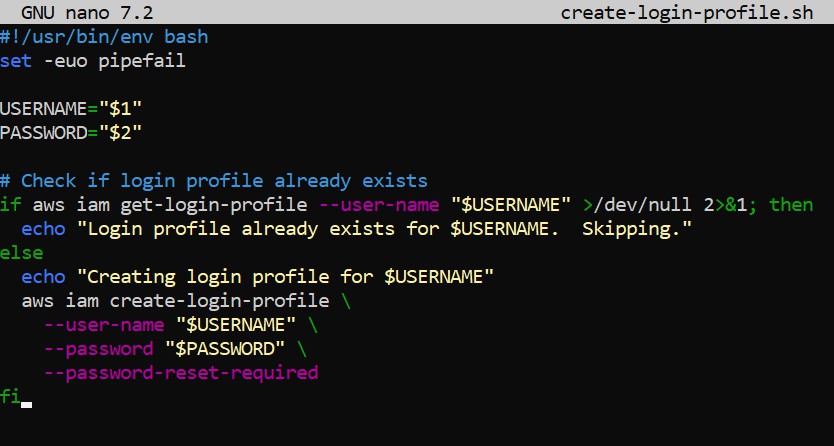


# Task 4 — Create Login Profile for IAM User

* task4\_variables\_tf.png



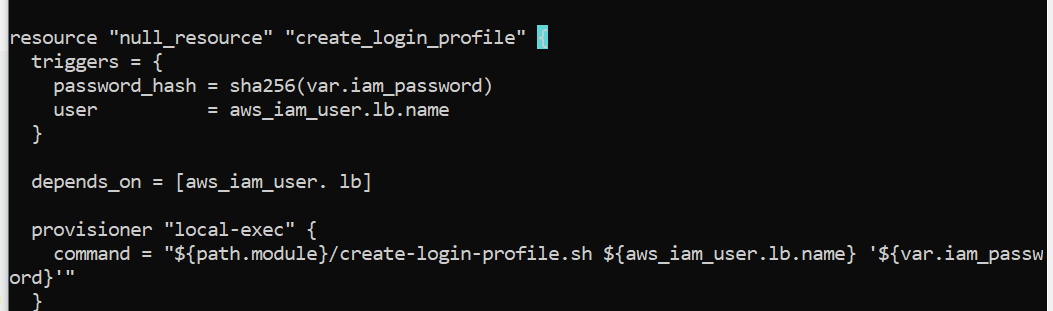
* task4\_create\_login\_script.png



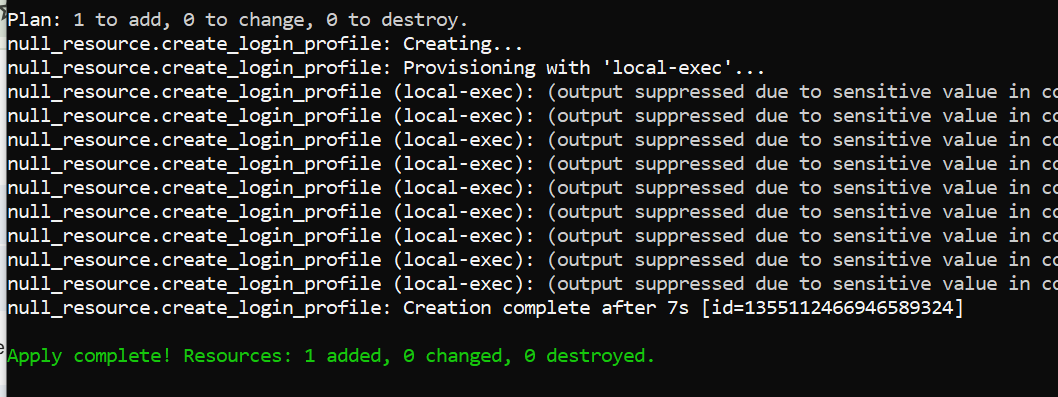
* task4\_chmod\_script.png



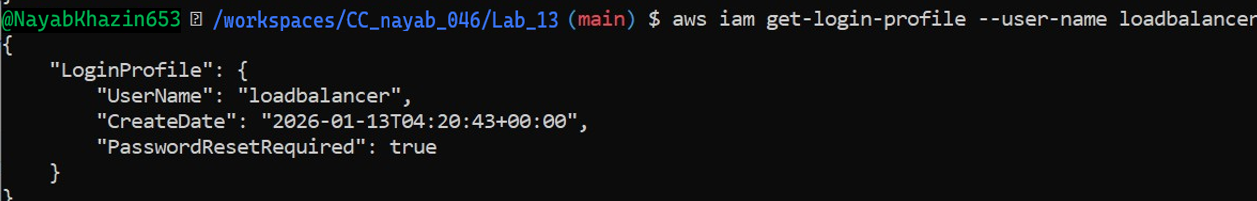
* task4\_main\_tf\_login\_profile.png



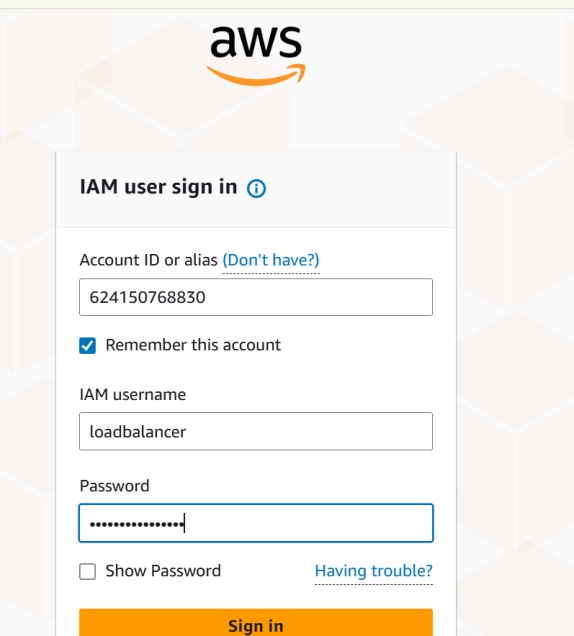
* task4\_terraform\_apply.png



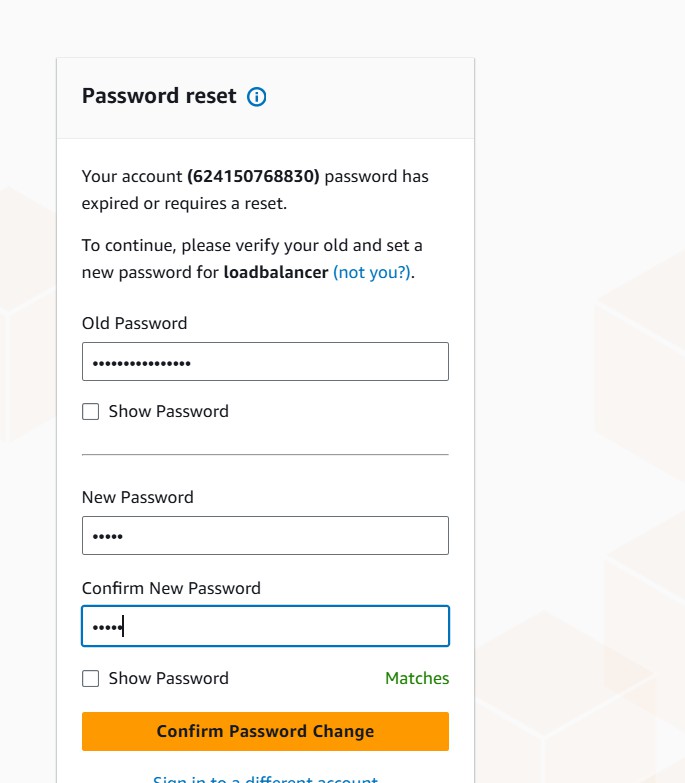
* task4\_aws\_cli\_verify.png



* task4\_aws\_console\_login.pn

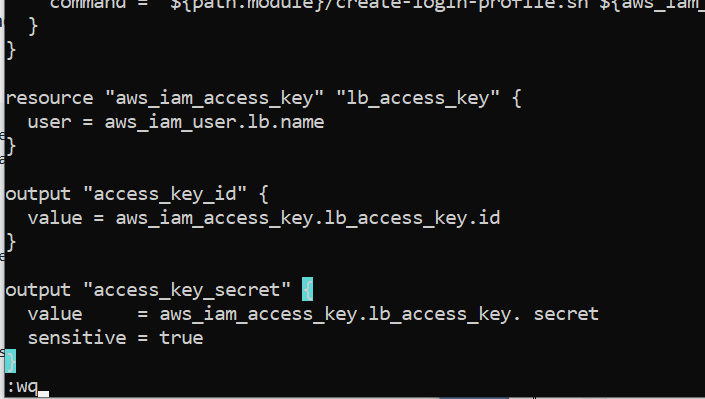


* task4\_aws\_console\_password\_reset.png

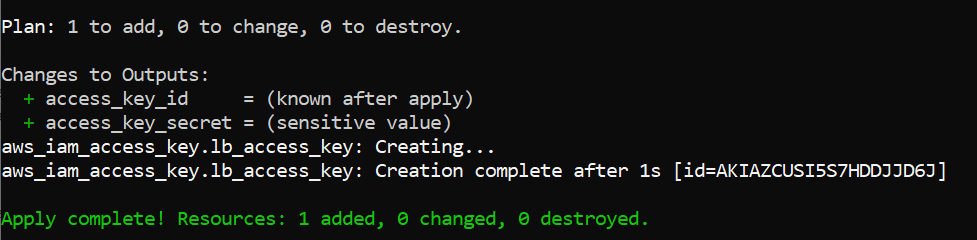


# Task 5 — Generate Access Keys for IAM User

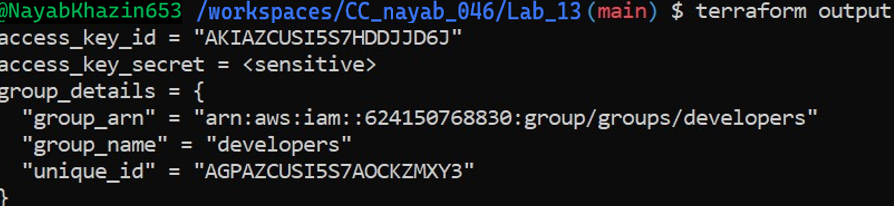
* task5\_main\_tf\_access\_keys.png



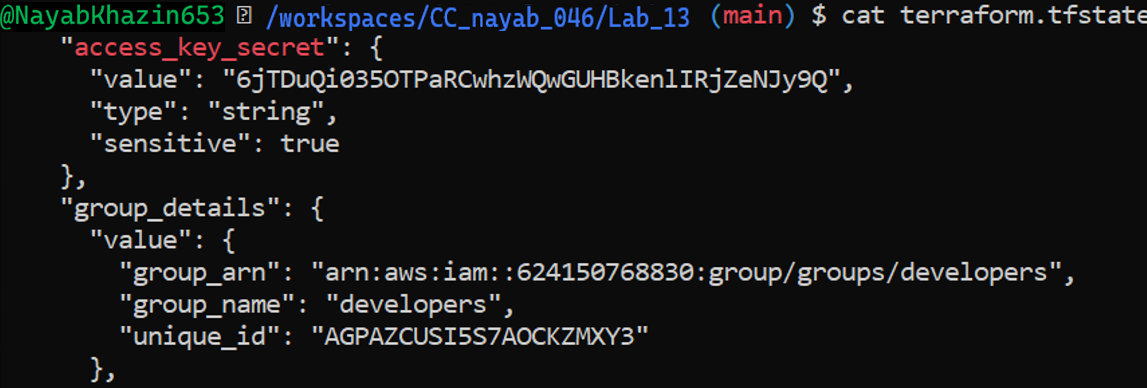
* task5\_terraform\_apply.png



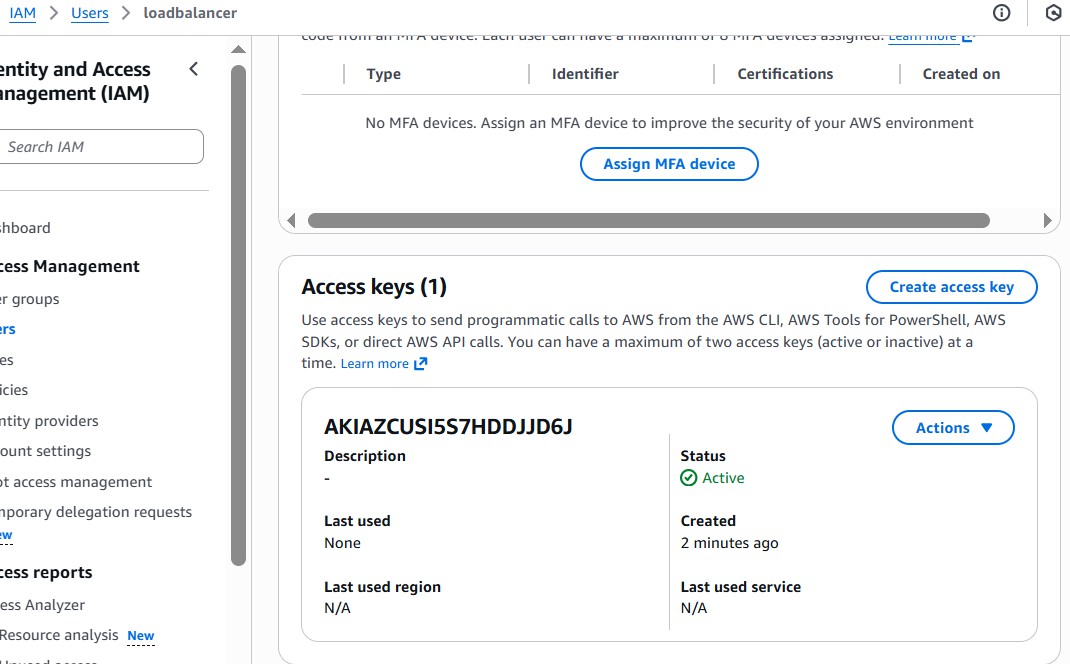
* task5\_terraform\_output.png



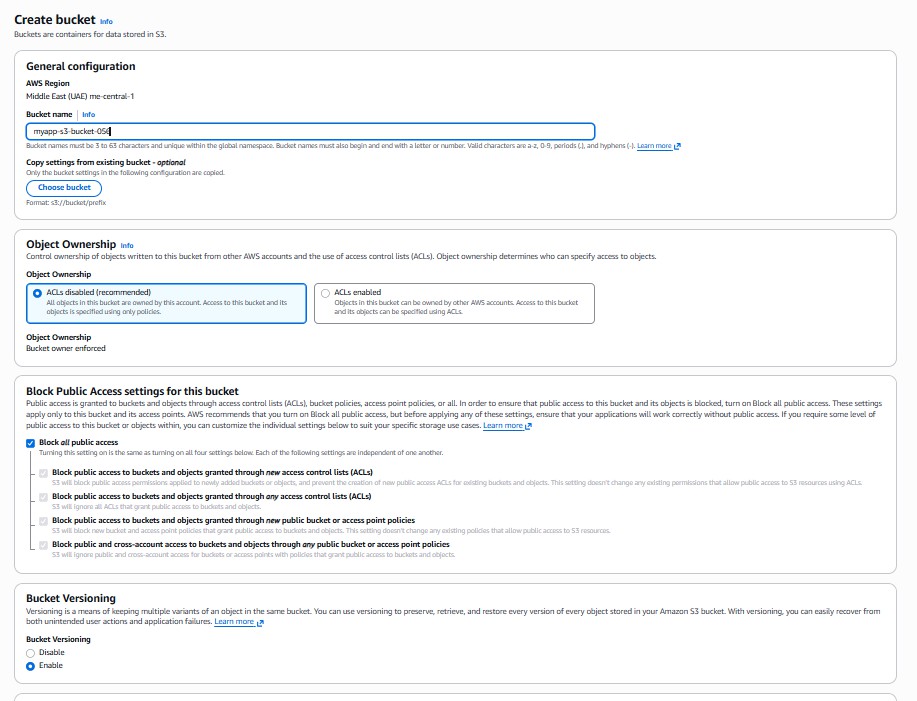
* task5\_tfstate\_secret. Png

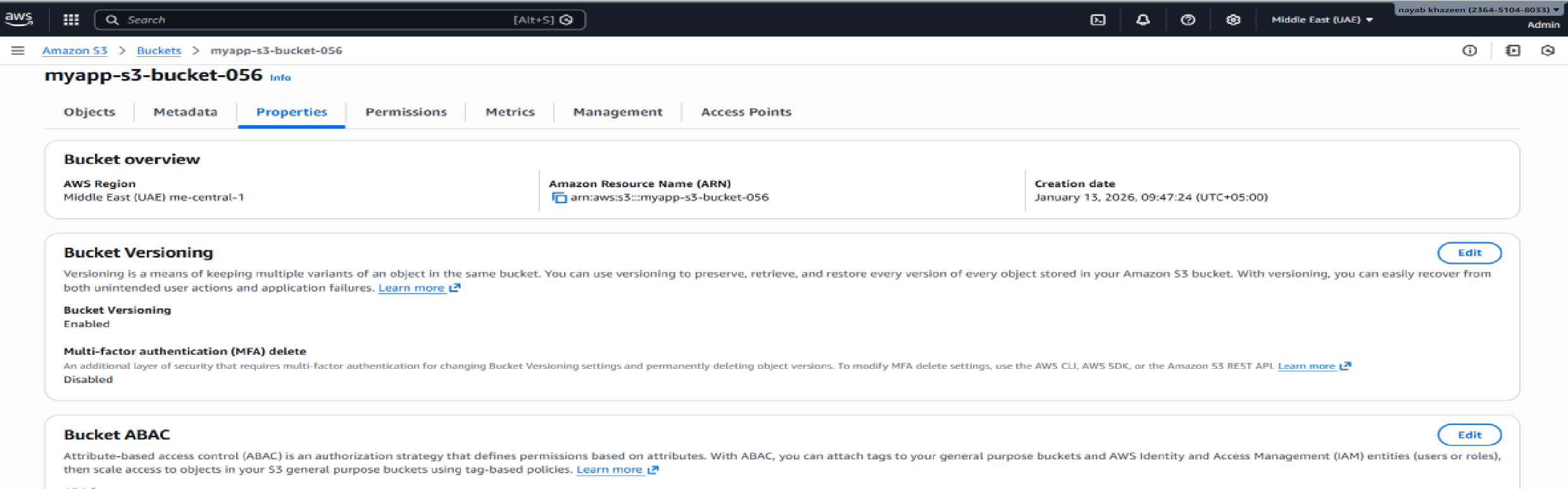


* task5\_aws\_console\_access\_keys. Png

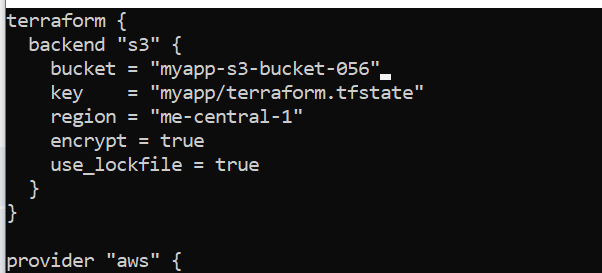


# Task 6 — Implement Terraform Remote State with S3

* task6\_s3\_bucket\_create.png
* task6\_s3\_bucket\_versioning.png



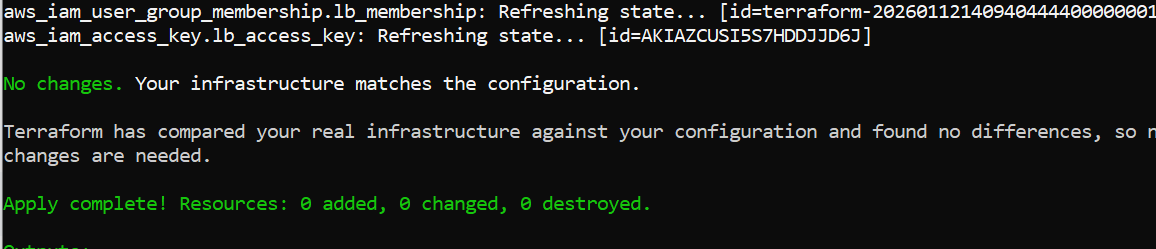
* task6\_main\_tf\_backend.png



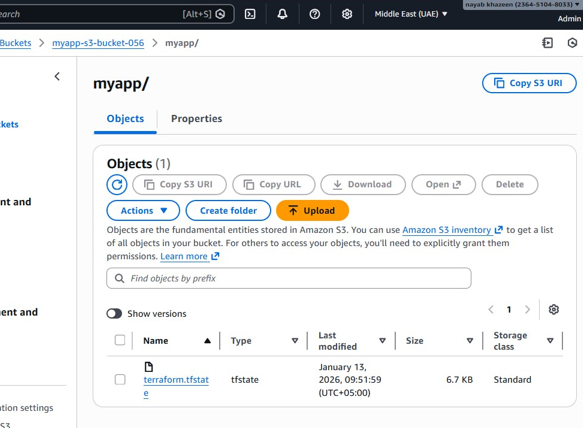
* task6\_terraform\_init\_migrate.png



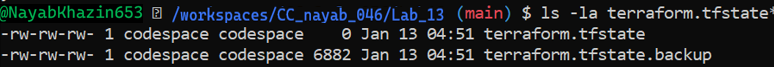
* task6\_terraform\_apply.png



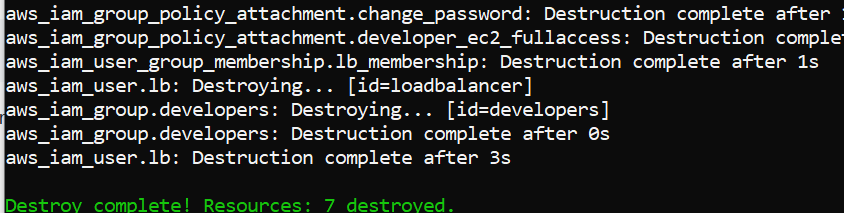
* task6\_s3\_tfstate\_file.png



* task6\_local\_state\_backup.png



* task6\_terraform\_destroy.png

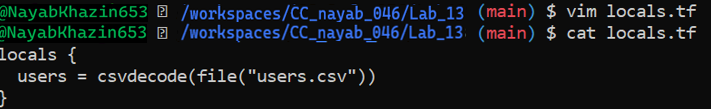


* task6\_s3\_tfstate\_destroyed. Png

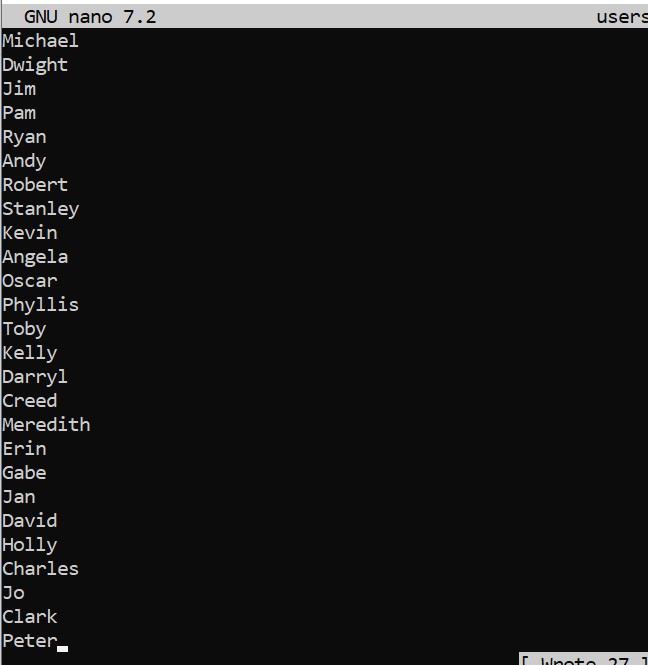


# Task 7 — Create Multiple Users from CSV File

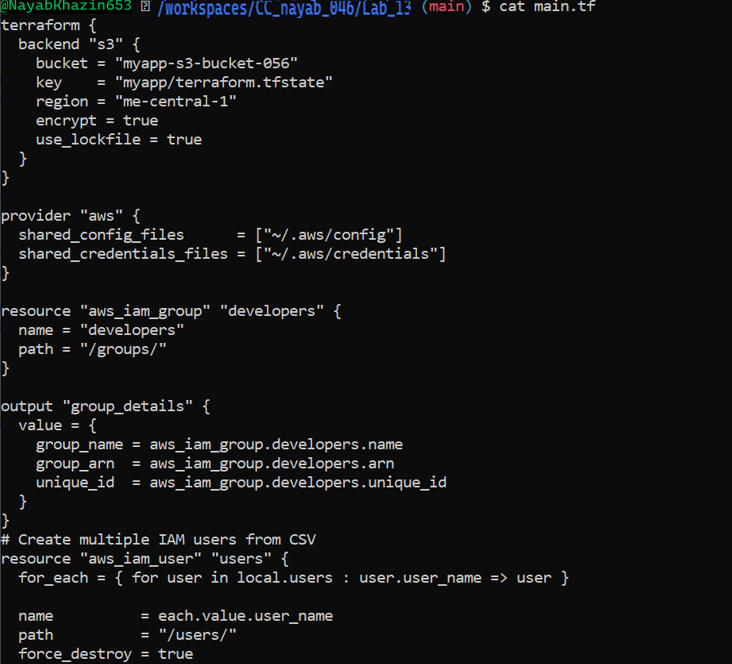
* task7\_locals\_tf.png



* task7\_users\_csv.png



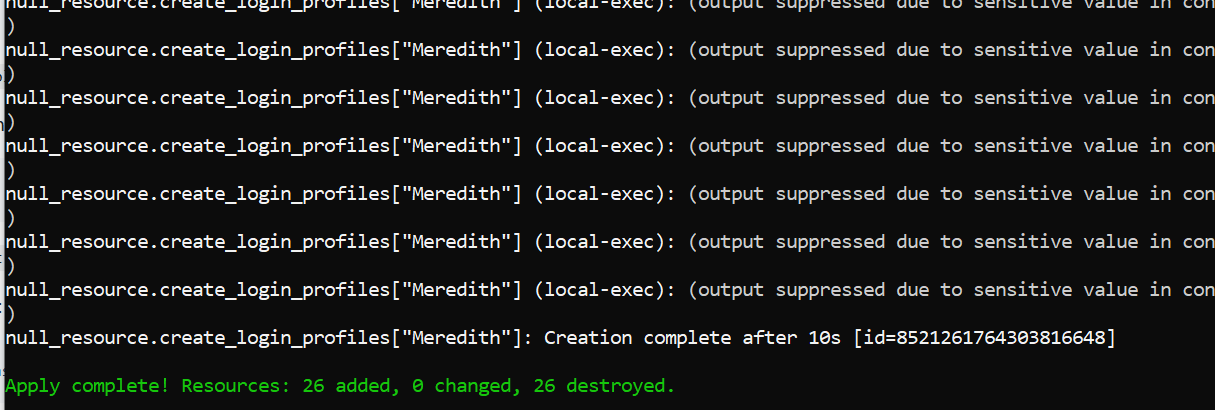
* task7\_main\_tf\_multiple\_users.png



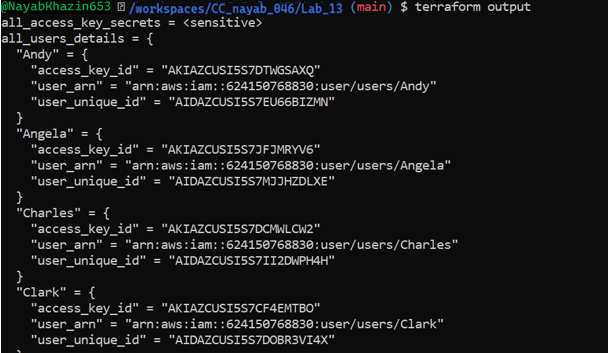
* task7\_terraform\_init.png



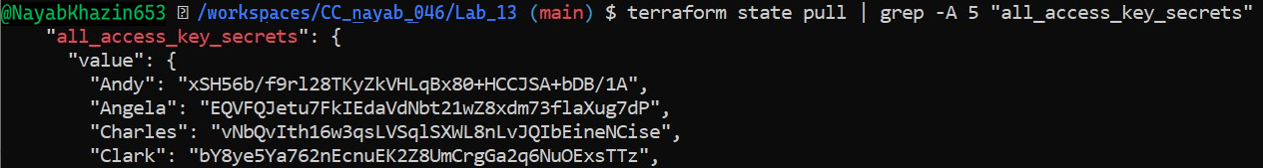
* task7\_terraform\_apply.png



* task7\_terraform\_output.png



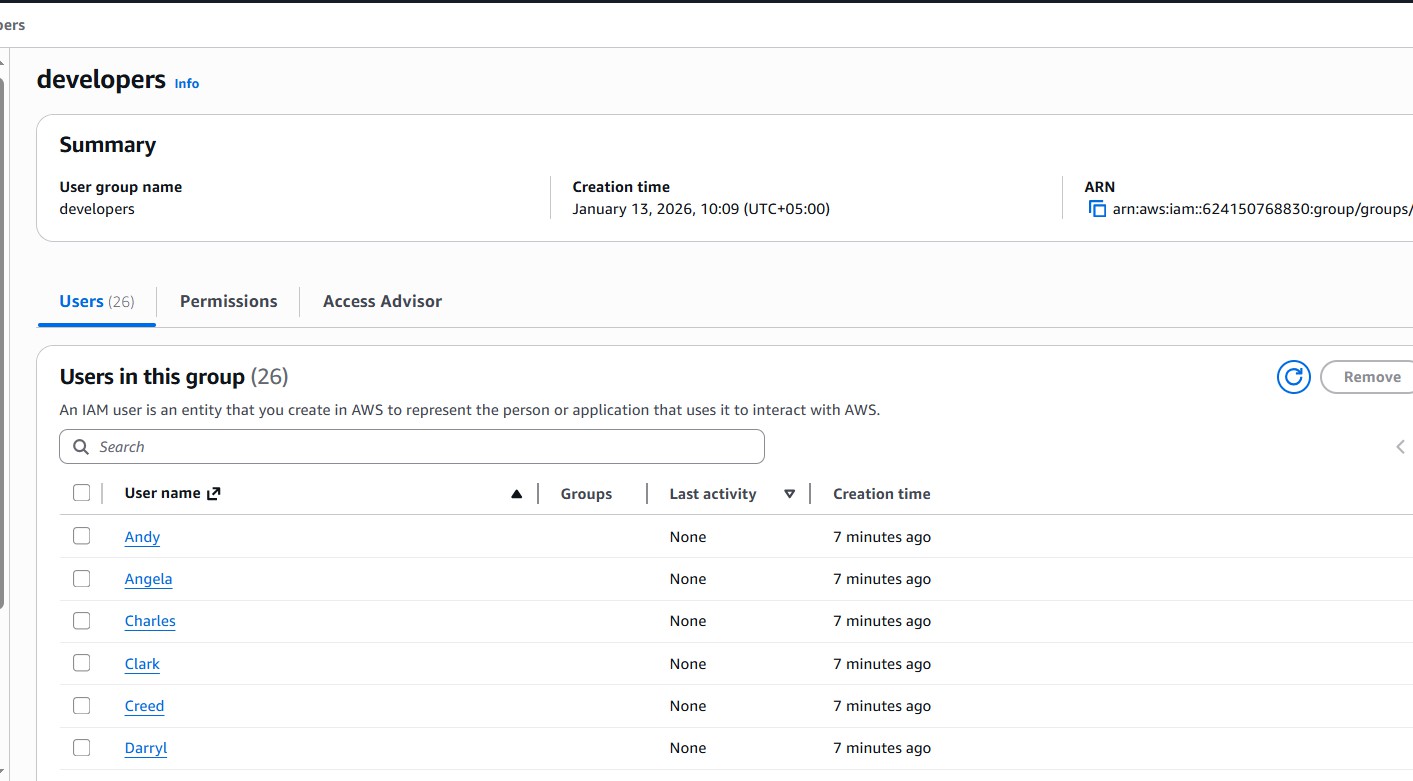
* task7\_tfstate\_secrets. Png



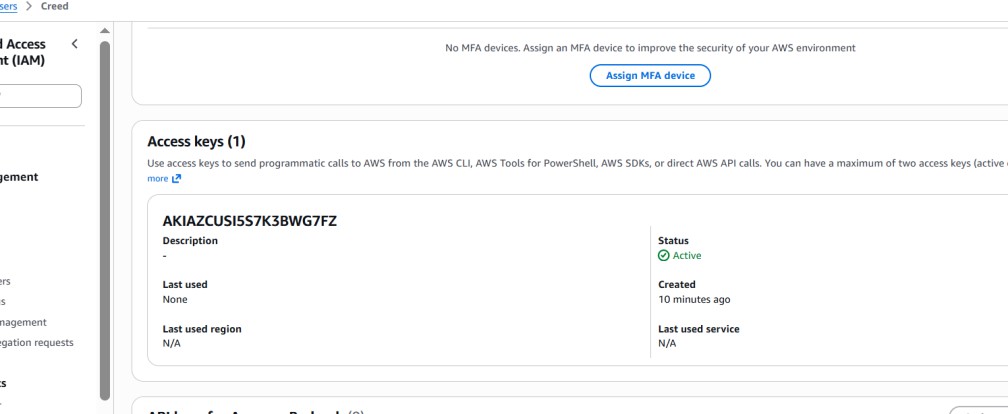
* task7\_aws\_console\_all\_users. Png



* task7\_aws\_console\_group\_members.Png



* task7\_aws\_console\_user\_access\_key.png

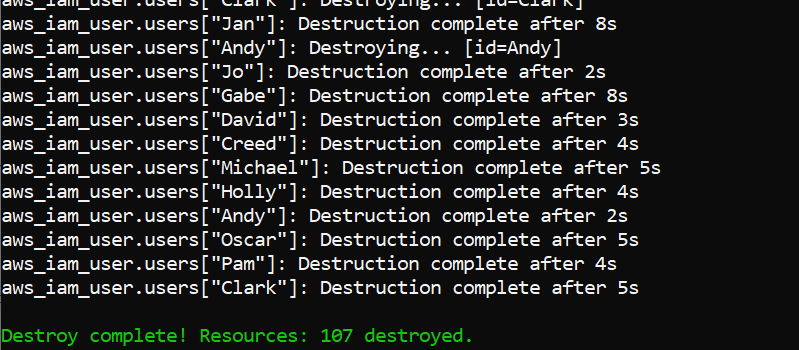


* task7\_s3\_tfstate\_multiple\_users.png

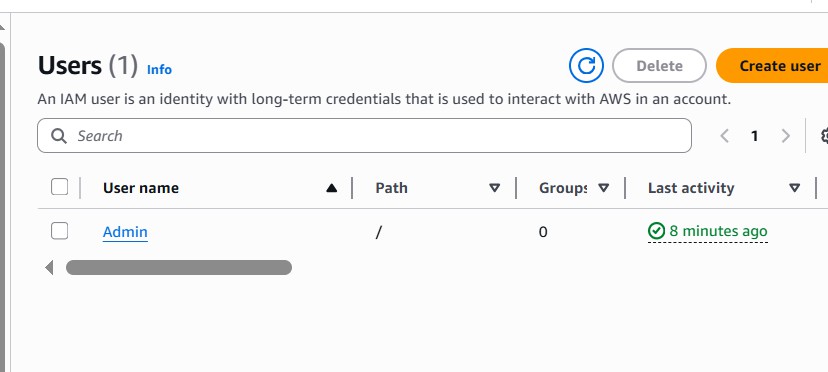


# Cleanup

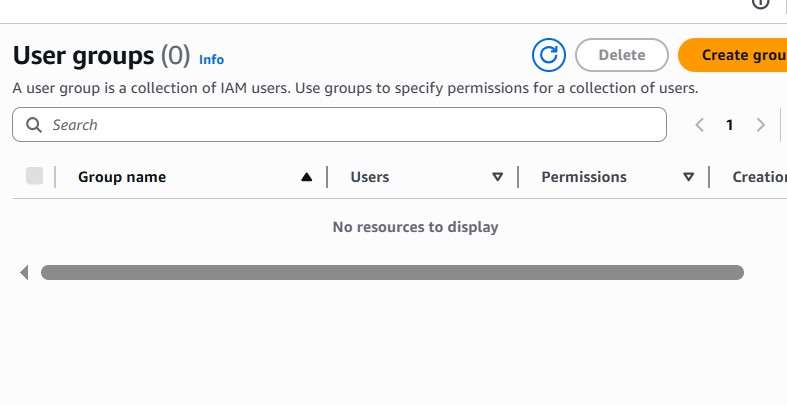
* cleanup\_destroy\_complete.png



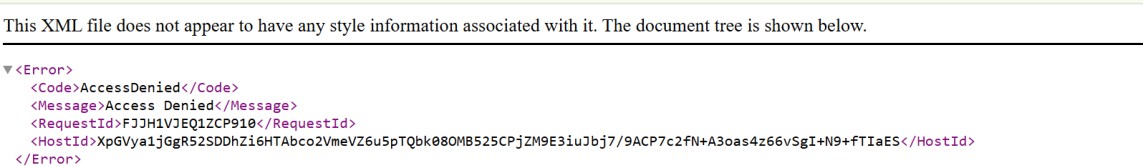
* cleanup\_aws\_console\_users\_deleted.png



* cleanup\_aws\_console\_group\_deleted.png



* cleanup\_s3\_empty\_state.png



* cleanup\_final\_files.png

