

# AWS CloudSpace Academy

Class promotion: AWS Cloud & DevOps Engineer 2025

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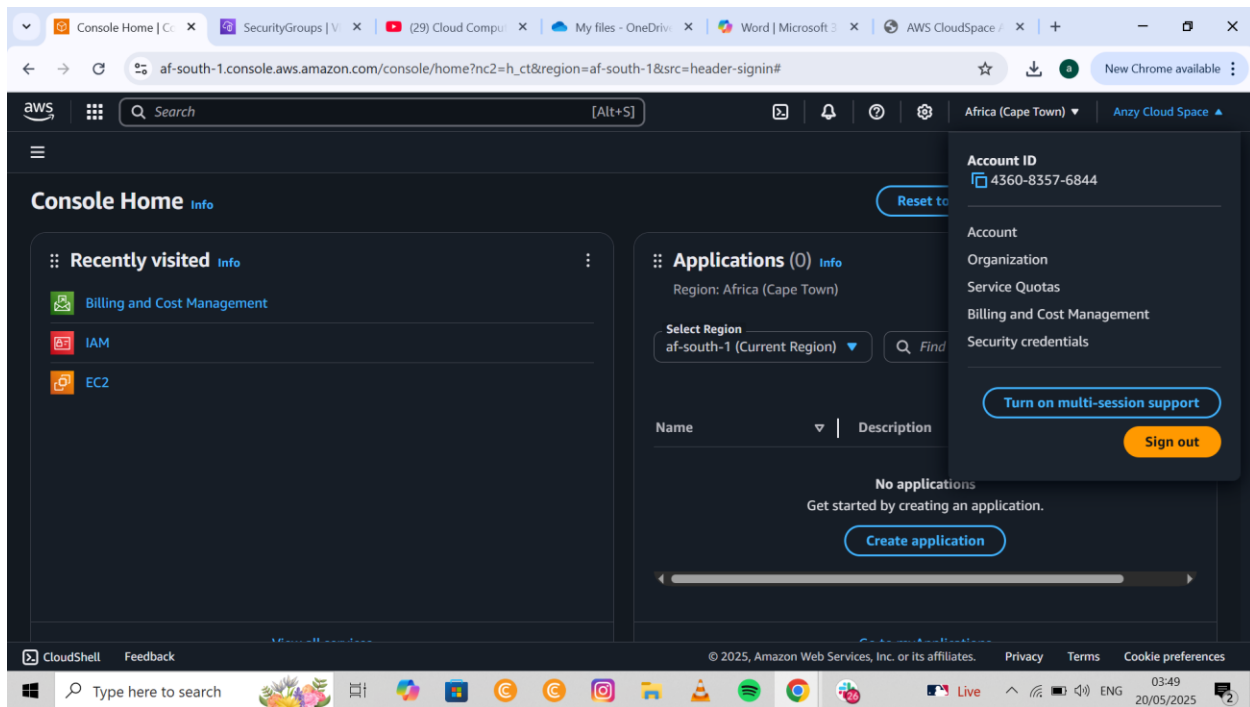
Course: IAM Hands On

Teacher: Narcisse Tchuemoe

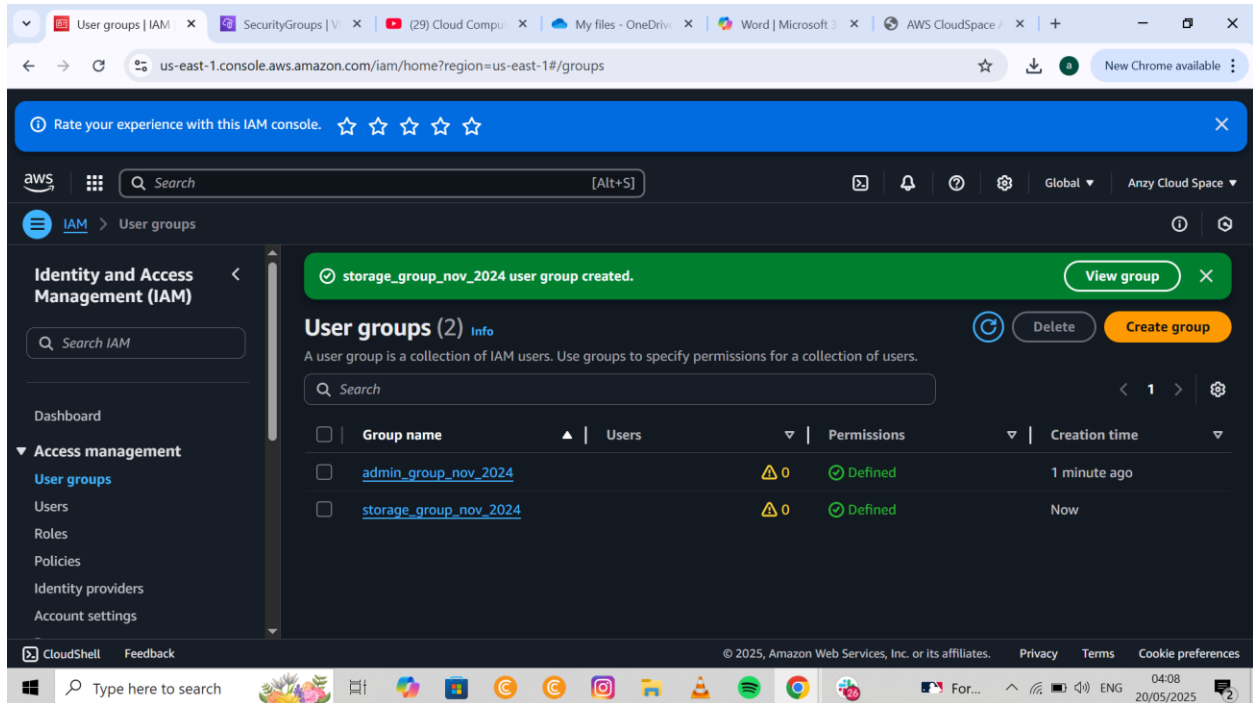
## Homework 1

1) Login to your aws console using root account

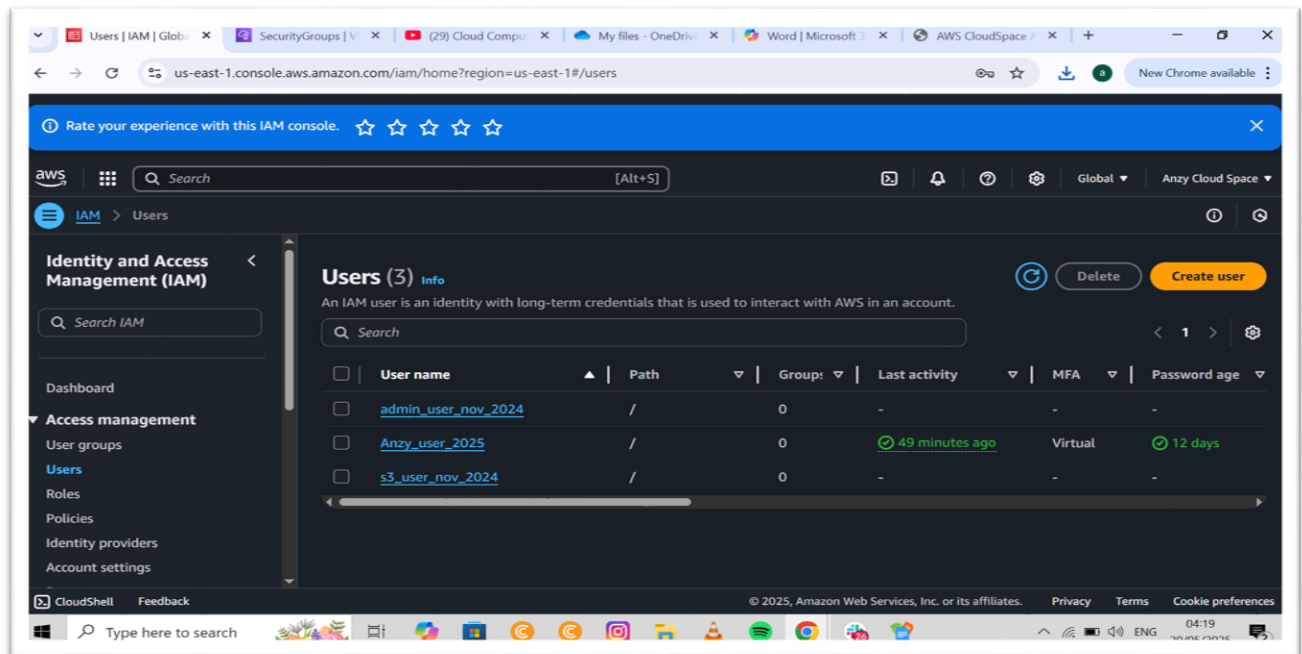
Take note of the account ID



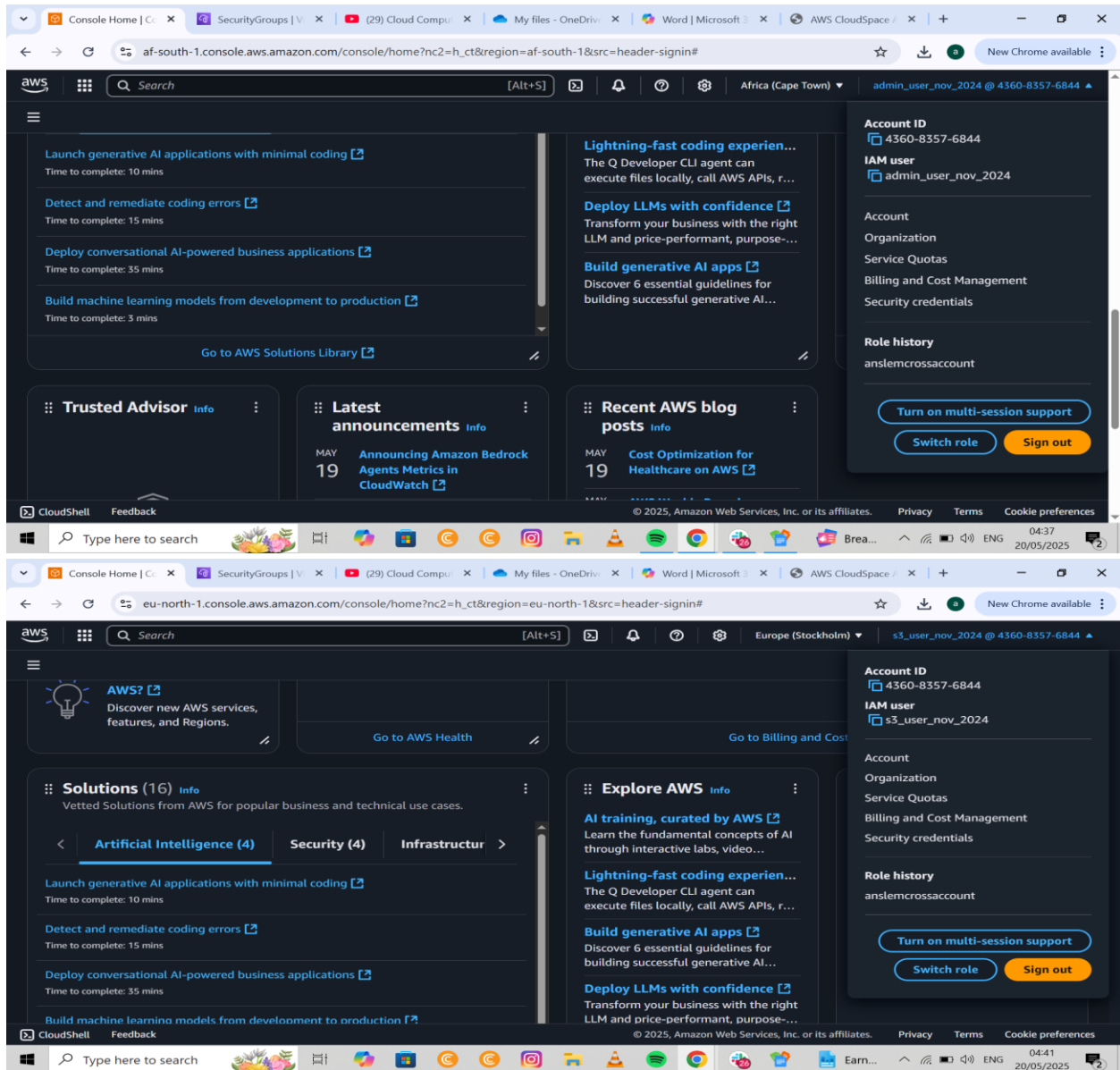
2) Create two Group named <<admin\_group\_nov\_2024>> with fullaccess and <<storage\_group\_nov\_2024>> with S3 fullacce



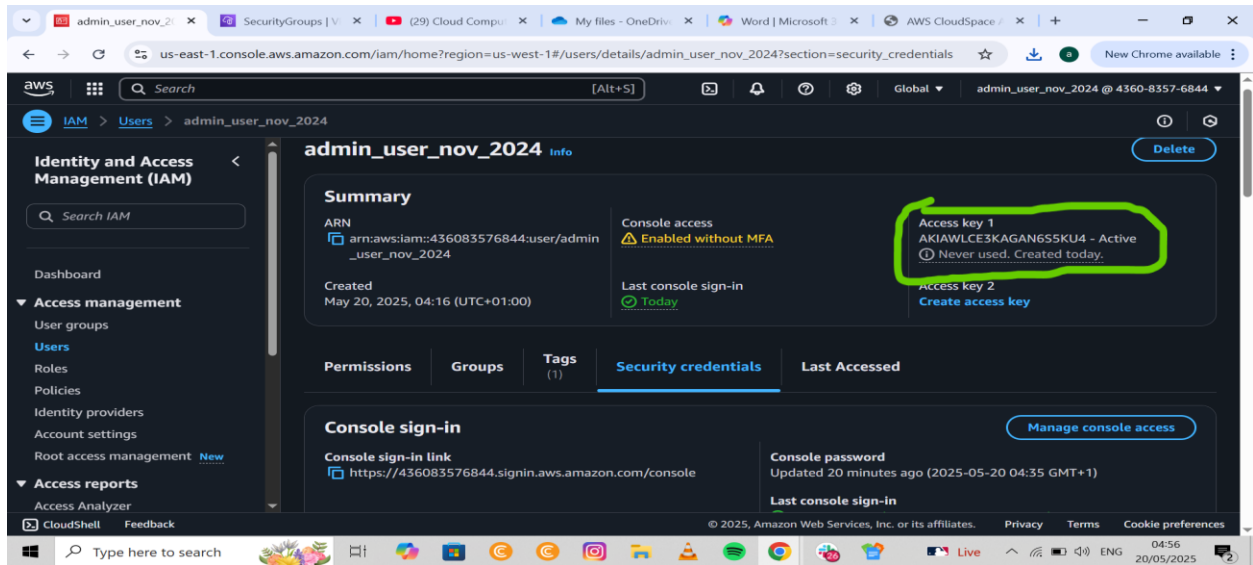
3) Create two IAM users named <<admin\_user\_nov\_2024>> and <<s3\_user\_nov\_2024>> NB: make sure IAM users change their password at first login



- 4) a- connect to your aws console as "admin\_user\_2024" and make sure you have full access
- b- connect to your aws console as "s3\_user\_may\_2024" and make sure the policy is working



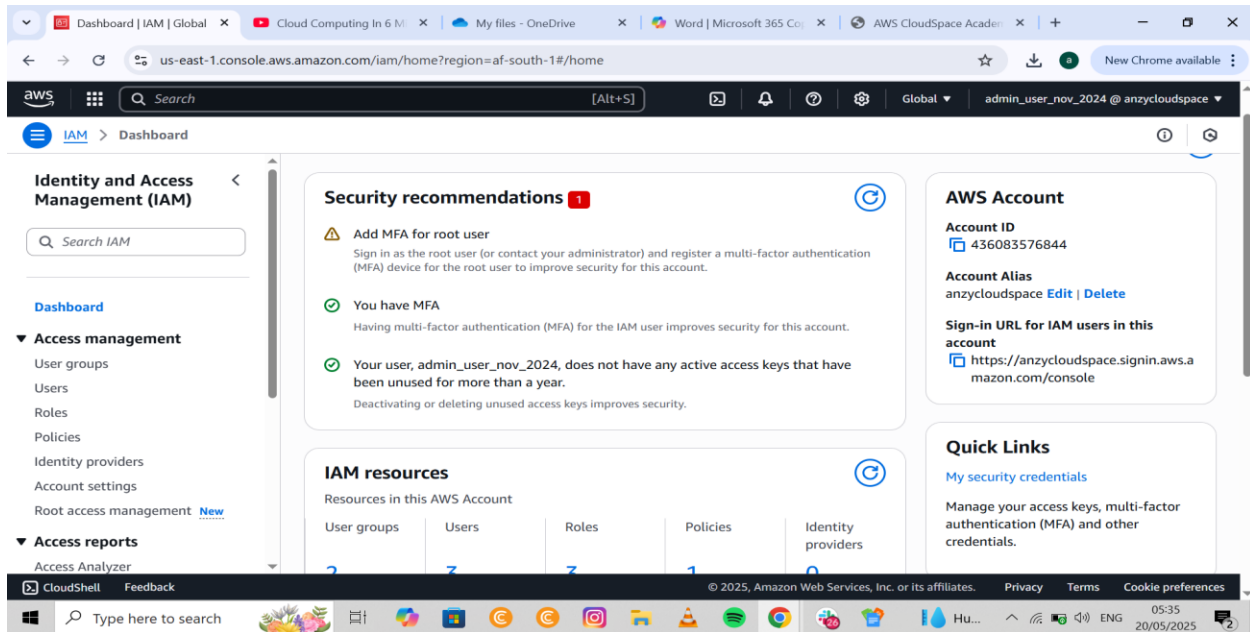
## 5- Create and Download Access Keys



6) Make sure to activate MFA for your admin user download the Google Authenticator app into your cell phone

The image shows two screenshots from a web browser. The top screenshot is the AWS IAM console page for the user 'admin\_user\_nov\_2024'. The left sidebar shows the 'Identity and Access Management (IAM)' menu with options like Dashboard, Access management, Access reports, CloudShell, and Feedback. The main content area shows the user's details, including a summary with ARN, console access status, and access keys. Below the summary are tabs for Permissions, Groups, Tags, Security credentials, and Last Accessed. The 'Security credentials' tab is active, showing the console sign-in link and password. The bottom screenshot is a multi-factor authentication (MFA) verification screen. It displays the AWS logo and a message: 'Additional verification required. Your account is protected with multi-factor authentication (MFA). To finish signing in, enter the code from your MFA device below.' There is a text input field for the MFA code, a 'Sign in' button, and a link for 'Sign in to a different account'. To the right of the MFA screen is an Amazon Lightsail advertisement featuring a robot character and the text 'Amazon Lightsail. Lightsail is the easiest way to get started on AWS. Learn more »'. The browser's address bar shows the URL for the MFA verification page.

7- Create an Alias to hide your account id number



8) Create cross-account: create a role "cross\_s3-access\_nov\_2024" to allow B\_user(Account\_B) to access "S3" only in Account\_A

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https://us-east-1.console.aws.amazon.com/iam/home?region=eu-north-1#/home

aws Search [Alt+S] Global Anslem\_s3

Identity and Access Management (IAM) Dashboard

Search IAM

Dashboard

Access management

- User groups
- Users
- Roles
- Policies
- Identity providers
- Account settings
- Root access management **New**

Access reports

- Access Analyzer
- External access
- Unused access

CloudShell Feedback

**IAM Dashboard** Info

IAM resources

Resources in this AWS Account

**Access denied**

You don't have permission to `iam:GetAccountSummary`. To request access, copy the following text and send it to your AWS administrator. [Learn more about troubleshooting access denied errors.](#)

User: `arn:aws:sts::436083576844:assumed-role/ronaldo_juve/admin_user_nov_2024`

Action: `iam:GetAccountSummary`

Context: no identity-based policy allows the action

Diagnose with Amazon Q

**What's new**

Updates for features in IAM

View all

Currently active as

- ronaldo\_juve

Account ID

- 4360-8357-6844

Account

Organization

Service Quotas

Billing and Cost Management

Signed in as

- admin\_user\_nov\_2024

Account ID

- ronaldojuve7

Switch back

Role history

- Anslem\_s3

Turn on multi-session support

Switch role

Sign out

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https://signin.aws.amazon.com/switchrole?roleName=ronaldo\_juve&account=anzycloudspace

aws English

**Switch Role**

Switching roles enables you to manage resources across Amazon Web Services accounts using a single user. When you switch roles, you temporarily take on the permissions assigned to the new role. When you exit the role, you give up those permissions and get your original permissions back. [Learn more](#)

Account ID

The 12-digit account number or the alias of the account in which the role exists.

anzycloudspace

IAM role name

The name of the role that you want to assume which can be found at the end of the role's ARN. For example, provide the `TestRole` role name from the following role ARN: `arn:aws:iam::123456789012:role/TestRole`.

ronaldo\_juve

Display name - optional

This name will appear in the console navigation bar when active. Choose a name to help identify the permission set assigned to the role.

Anslem\_s3

Display color - optional

The selected color displays in the console navigation when this role is active

None

Cancel Switch Role

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