

AWS CloudSpace Academy

Class promotion: AWS Cloud & DevOps Engineer 2025

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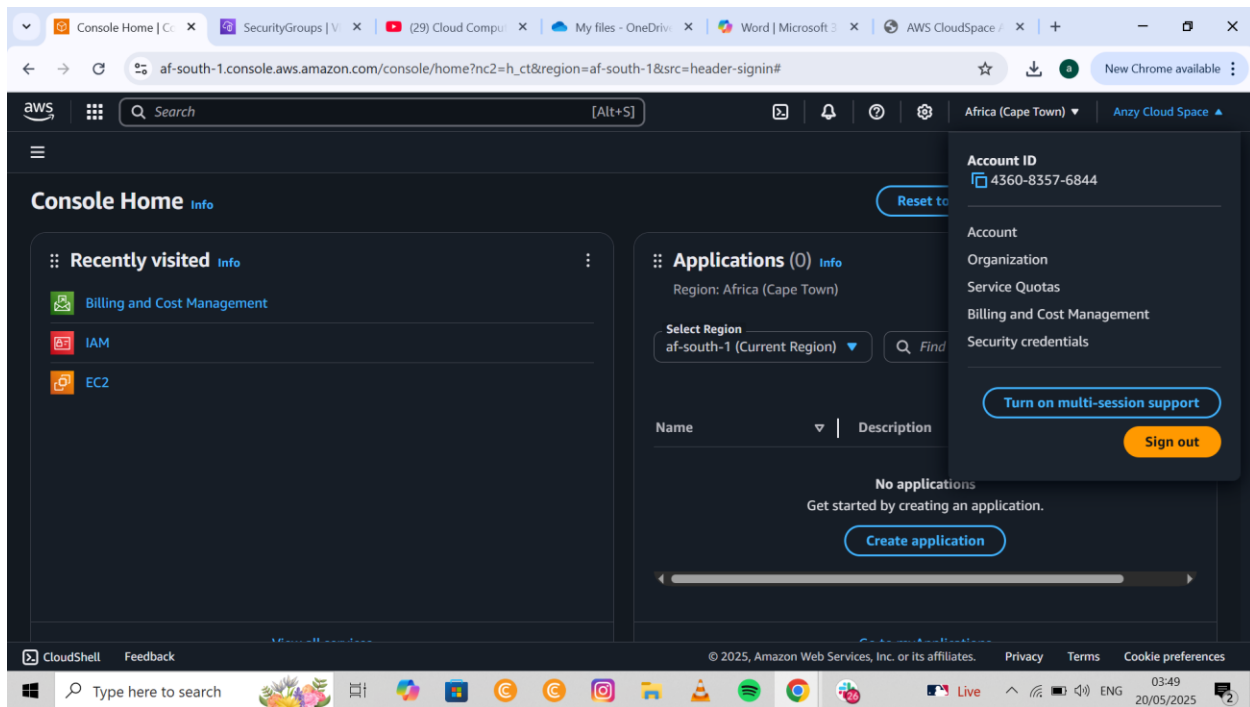
Course: IAM Hands On

Teacher: Narcisse Tchuemoe

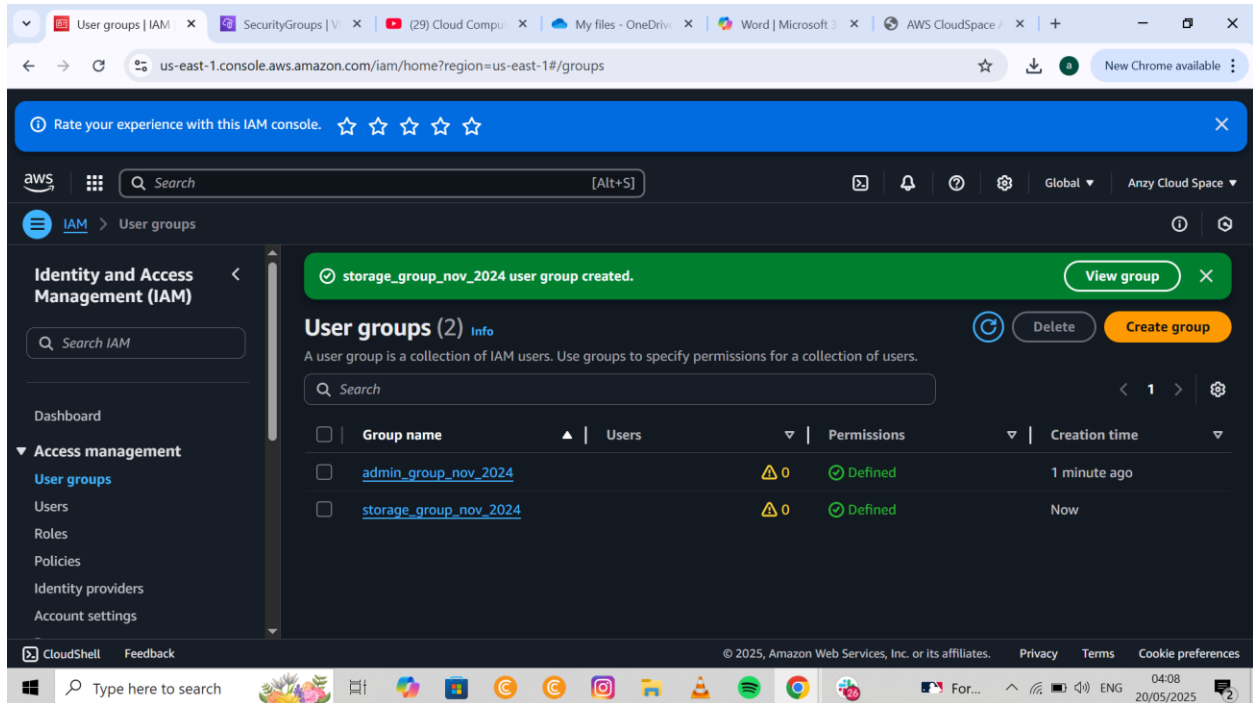
Homework 1

1) Login to your aws console using root account

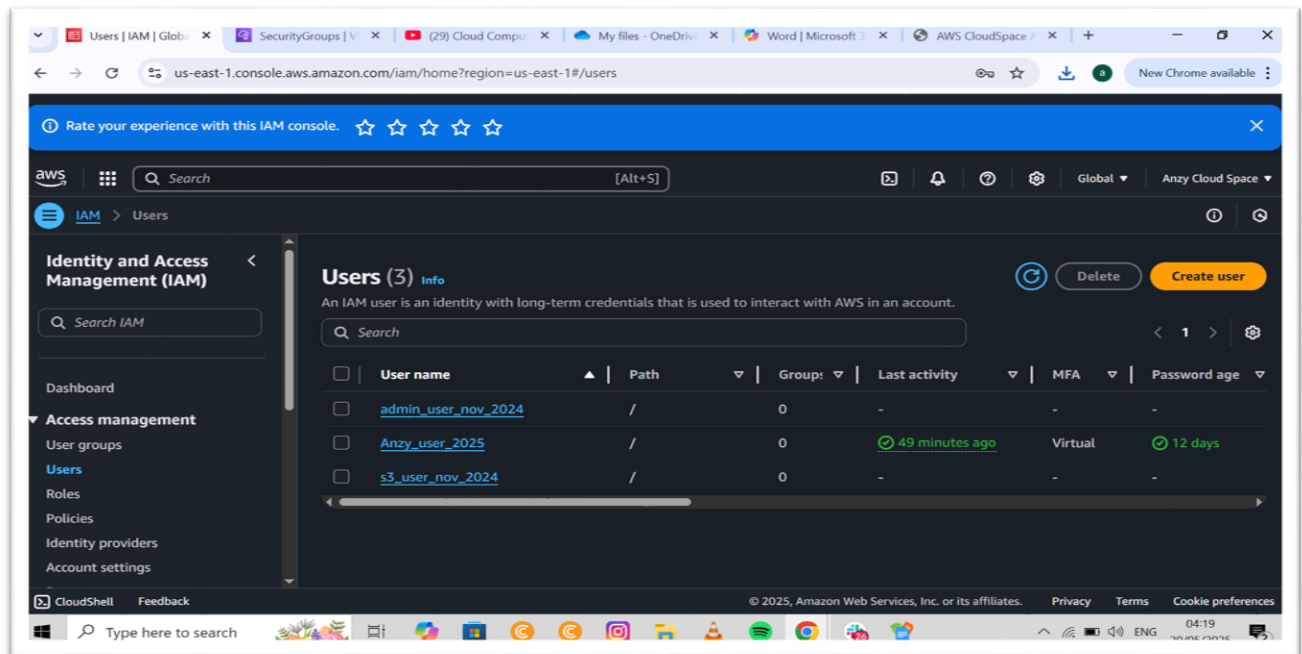
Take note of the account ID



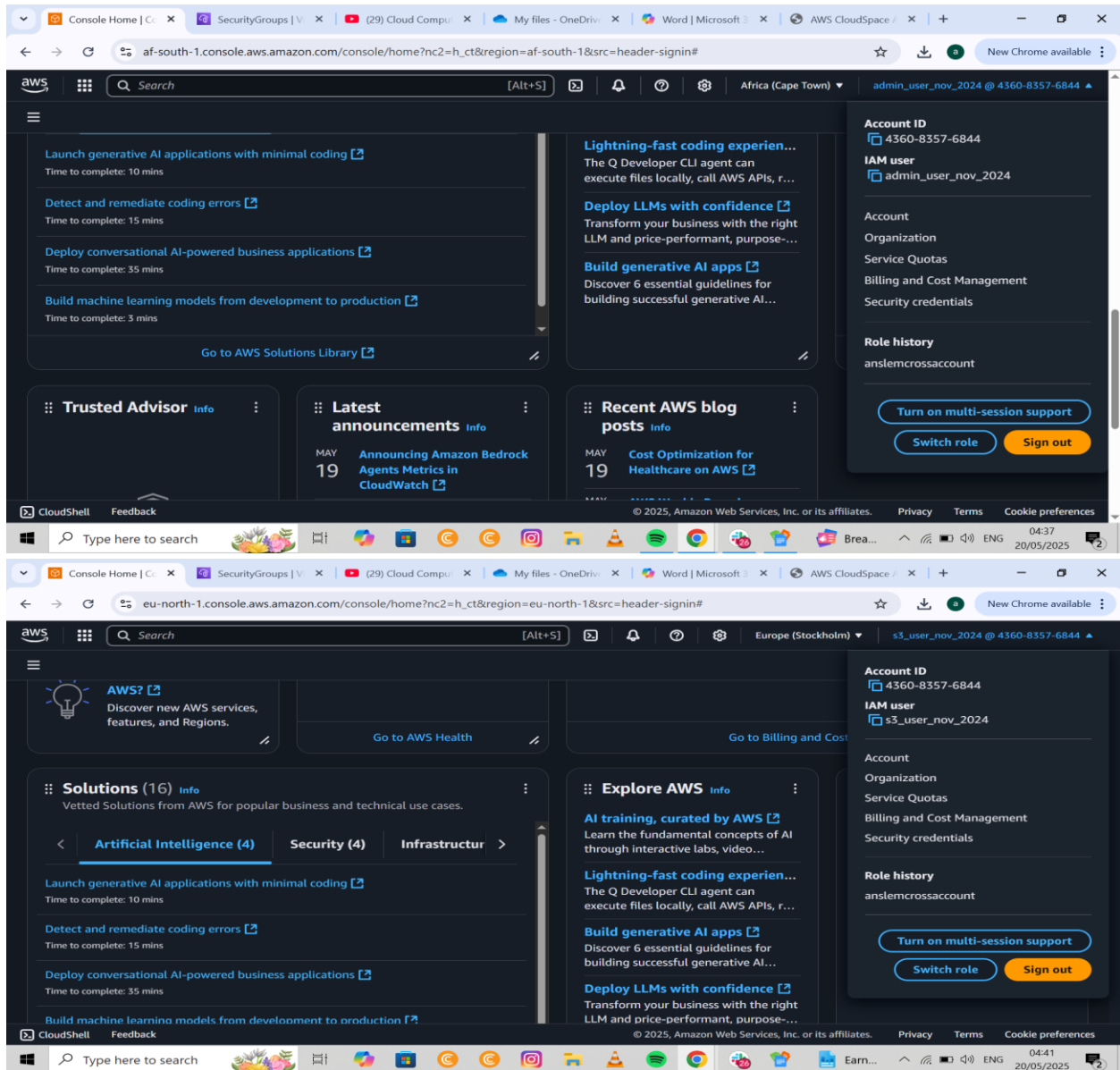
2) Create two Group named <<admin_group_nov_2024>> with fullaccess and <<storage_group_nov_2024>> with S3 fullacce



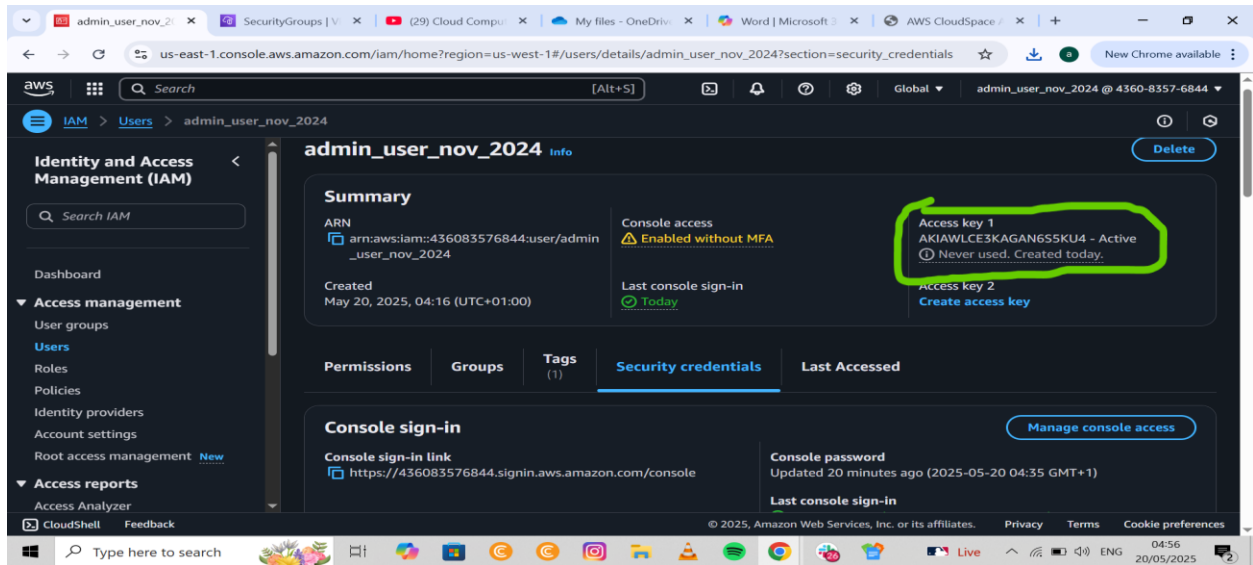
3) Create two IAM users named <<admin_user_nov_2024>> and <<s3_user_nov_2024>> NB: make sure IAM users change their password at first login



- 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



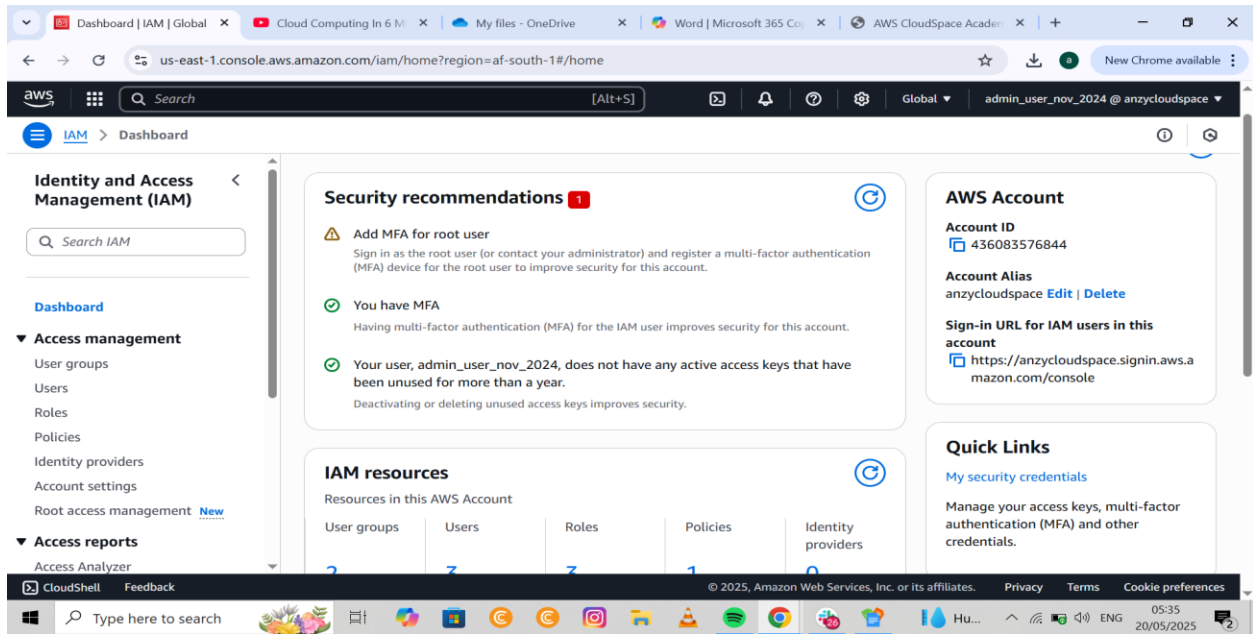
5- Create and Download Access Keys



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

The image shows a sequence of two browser screenshots. The first screenshot displays the AWS IAM console for the user 'admin_user_nov_2024'. The left sidebar shows the 'Identity and Access Management (IAM)' menu with options like 'Users', 'Groups', 'Roles', and 'Policies'. The main content area shows the user's 'Summary' with details such as ARN, console access status, and access keys. Below this, there are tabs for 'Permissions', 'Groups', 'Tags', 'Security credentials', and 'Last Accessed'. The 'Security credentials' tab is active, showing 'Console sign-in' information, including a console sign-in link and a console password. The second screenshot shows a subsequent page with the AWS logo at the top. On the left, there is a box titled 'Additional verification required' which states: 'Your account is protected with multi-factor authentication (MFA). To finish signing in, enter the code from your MFA device below.' It includes a text input field for the 'MFA code' and buttons for 'Sign in' and 'Sign in to a different account'. On the right, there is a large banner for 'Amazon Lightsail' with the text 'Lightsail is the easiest way to get started on AWS' and a 'Learn more' button. The banner features a stylized robot character.

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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