

## Practical No.7

### Implementation of Identity Management using Cloud Computing concept

**Aim:** To implement concept of Identity Management in cloud computing

**Concept:** Identity management (ID management) is the organizational process for identifying, authenticating and authorizing individuals or groups of people to have access to applications, systems or networks by associating user rights and restrictions with established identities. The managed identities can also refer to software processes that need access to organizational systems.

Identity management includes authenticating users and determining whether they're allowed access to particular systems. ID management works hand-in-hand with identity access management systems. Identity management is focused on authentication, while access management is aimed at authorization.

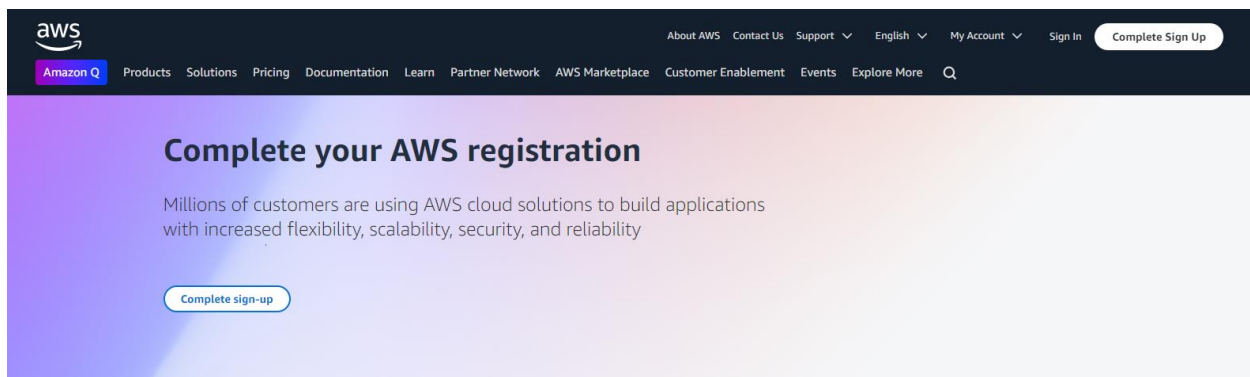
ID management determines whether a user has access to systems, but also sets the level of access and permissions a user has on a particular system. For instance, a user may be authorized to access a system but be restricted from

The main goal of identity management is to ensure that only authenticated users are granted access to the specific applications, systems or IT environments for which they are authorized. This includes control over user provisioning and the process of onboarding new users such as employees, partners, clients and other stakeholders. Identity management also includes control over the process of authorizing system or network permissions for existing users and the off boarding of users who are no longer authorized to access organization systems.

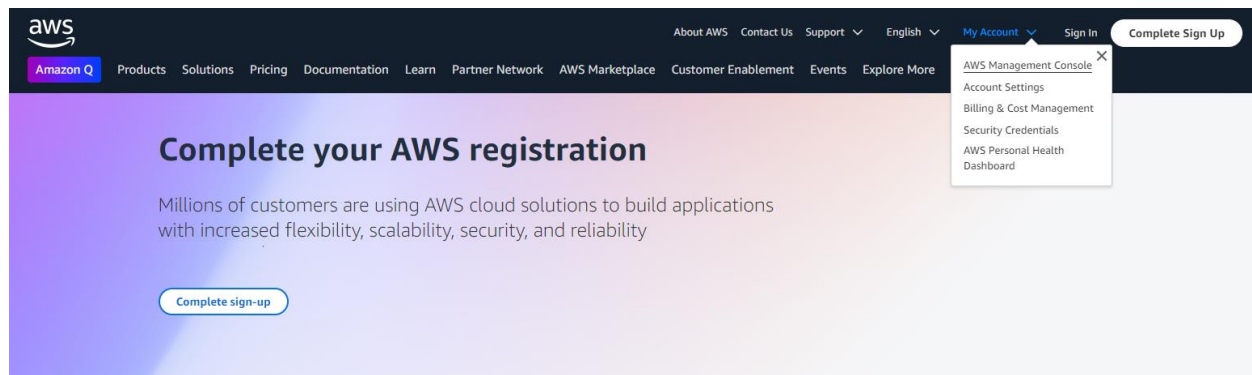
#### Procedure:

**Step1:** Open the following link

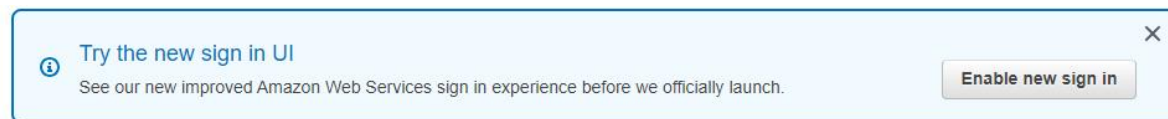
<https://aws.amazon.com/>



**Step2:** Go to my Account-> AWS management console



**Step3:** click on Sign in using root user email



### Sign in as IAM user

Account ID (12 digits) or account alias

IAM user name

Password

☐ Remember this account

**Sign in**

[Sign in using root user email](#)

[Forgot password?](#)





## 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](#)

**Root user email address**

username@example.com

**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**

# AI Use Case Explorer

Discover AI use cases,  
customer success stories,  
and expert-curated  
implementation plans

**Explore now ›**

**Step4:** Click on Create a new AWS account and Fill all the details and click on Verify email address

← → ↻ portal.aws.amazon.com/billing/signup#/start/email

**Explore Free Tier products with a new AWS account.**

To learn more, visit [aws.amazon.com/free](https://aws.amazon.com/free).

### Sign up for AWS

**Root user email address**  
Used for account recovery and some administrative functions

**AWS account name**  
Choose a name for your account. You can change this name in your account settings after you sign up.


**Verify email address**

OR

**Sign in to an existing AWS account**


**Step 5:** Add verification code and click on verify.

portalaws.amazon.com/billing/signup#/start/otp



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### Sign up for AWS!

**Confirm you are you**

Making sure you are secure -- i

We sent an email with a verification code to [pradnyamhatre@vivamca.org](mailto:pradnyamhatre@vivamca.org). (not you?)

Enter it below to confirm your email.

Verification code

**Verify**


Resend code

Didn't get the code?

- Codes can take up to 5 minutes to arrive.
- Check your spam folder.


**Step 6:** Create your password and click on continue.

portalaws.amazon.com/billing/signup#/start/password



**Explore Free Tier products with a new AWS account.**

To learn more, visit [aws.amazon.com/free](https://aws.amazon.com/free).



### Sign up for AWS

**Create your password**

✔ It's you! Your email address has been successfully verified. ✕

Your password provides you with sign in access to AWS, so it's important we get it right.

Root user password


Confirm root user password


**Continue (step 1 of 5)**


## Step 7: Fill Contact information and click on continue.

portalaws.amazon.com/billing/signup#/account

aws

**Always free**  
Never expires

**12 months free**  
Start from initial sign-up date

**Trials**  
Start from service activation date

All AWS accounts can explore 3 different types of free offers, depending on the product used.

### Sign up for AWS

#### Contact Information

How do you plan to use AWS?


☐ Business - for your work, school, or organization

☐ Personal - for your own projects

Who should we contact about this account?

Full Name

Phone Number

 +1

▼

222-333-4444

Country or Region

United States ▼

Address

*Apartment, suite, unit, building, floor, etc.*

City

State, Province, or Region


Postal Code

☐ I have read and agree to the terms of the [AWS Customer Agreement](#).


Continue (step 2 of 5)


**Step 8:** Now AWS will ask for credit card or debit card details. You have to close the browser

← → ↻ portal.aws.amazon.com/billing/signup#/paymentinformation



### Secure verification




 We will not charge you for usage below AWS Free Tier limits. We may temporarily hold up to \$1 USD (or an equivalent amount in local currency) as a pending transaction for 3-5 days to verify your identity.



## Sign up for AWS

### Billing Information

Credit or Debit card number



AWS accepts all major credit and debit cards. To learn more about payment options, review our [FAQ](#)

Expiration date

Month

▼

Year

▼

Cardholder's name

CVV

Billing address

☒ Use my contact address

virar  
virar maharashtra 401303  
IN

☐ Use a new address

Do you have a PAN?

Permanent Account Number (PAN) is a ten-digit alphanumeric number issued by the Indian Income Tax Department. This 10-digit number is printed on the front of your PAN card.

☐ Yes

☐ No

You can go on the Tax Settings Page on Billing and Cost Management Console to update your PAN information.

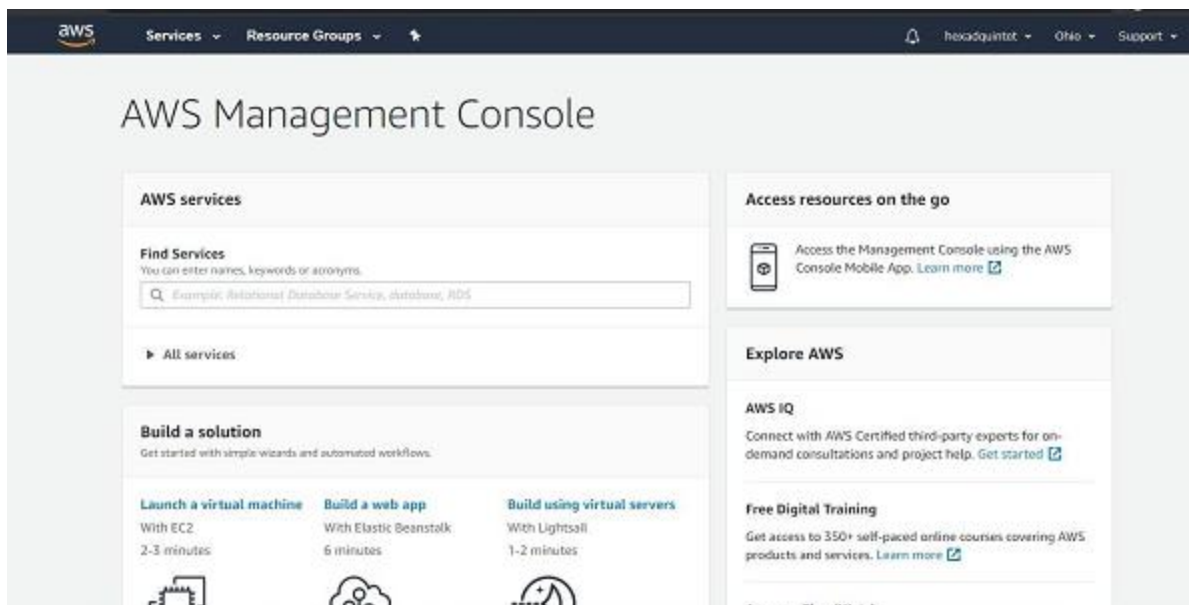
Verify and Continue (step 3 of 5)

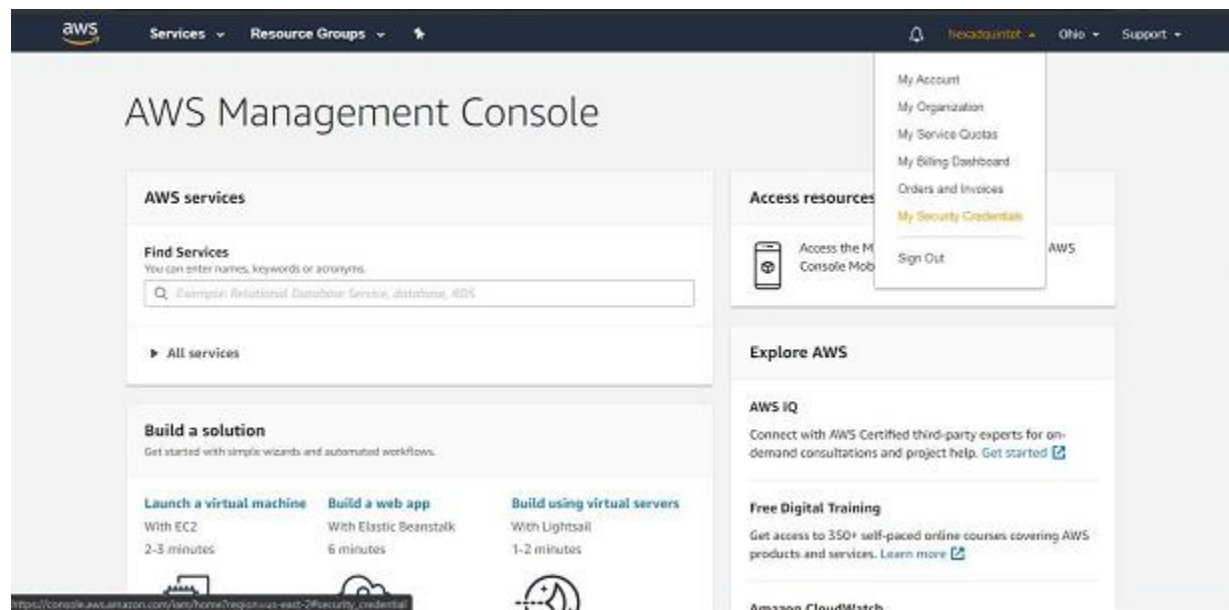
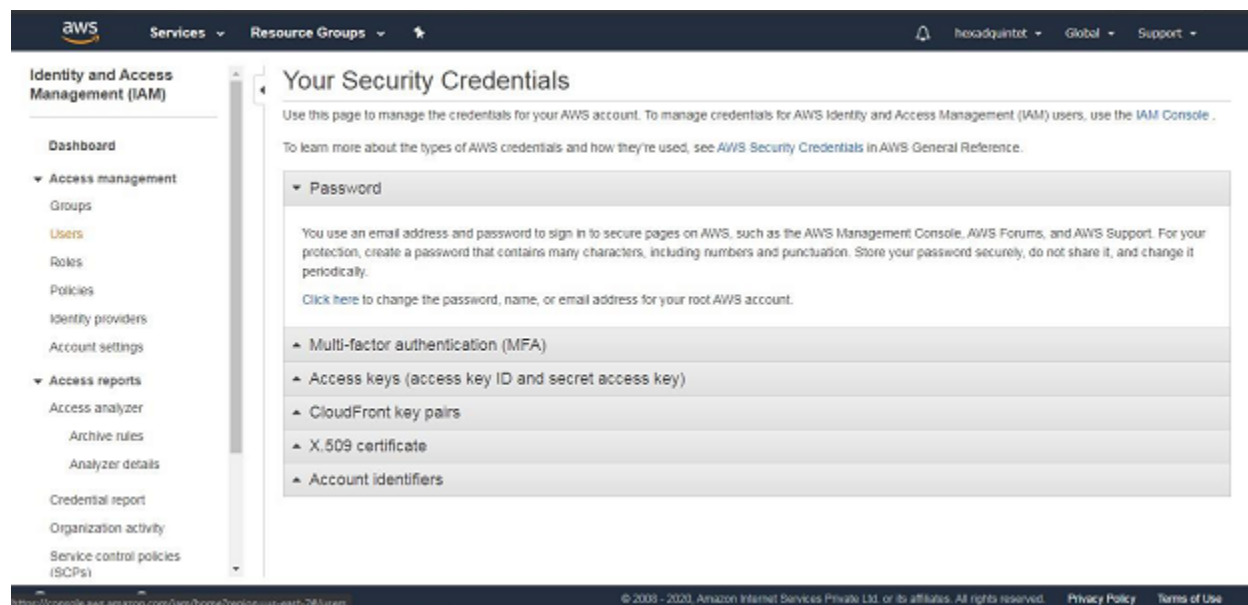
You might be redirected to your bank's website to authorize the verification charge.

**Step 9:** Go to my Account->AWS Management console



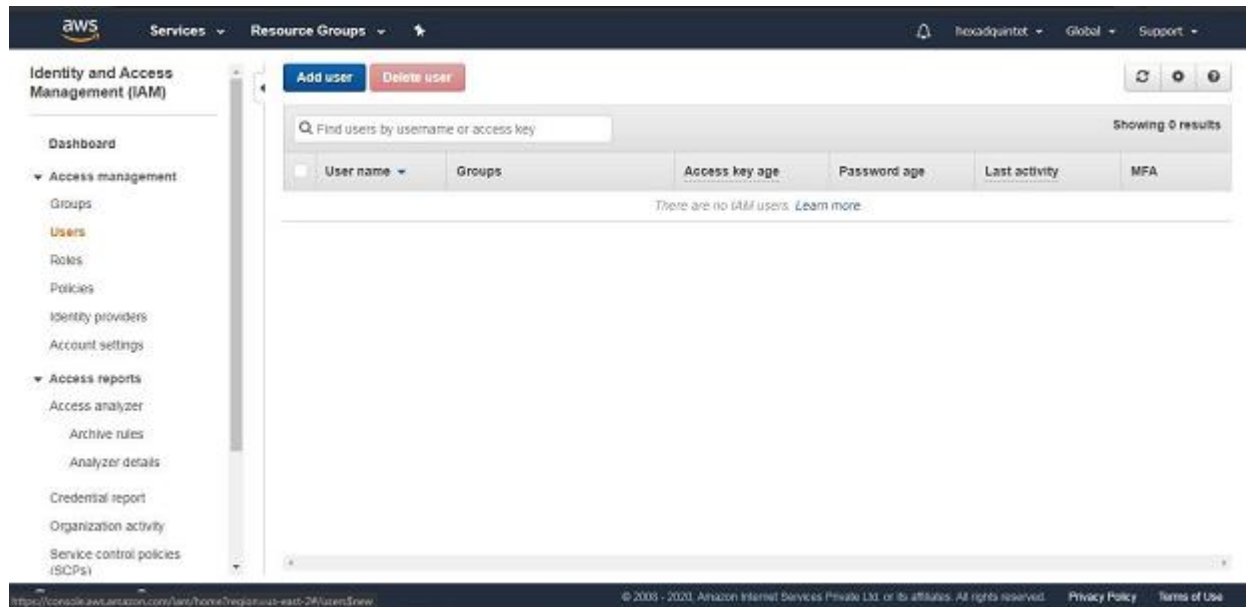
**Step 10:** you will get the following screen



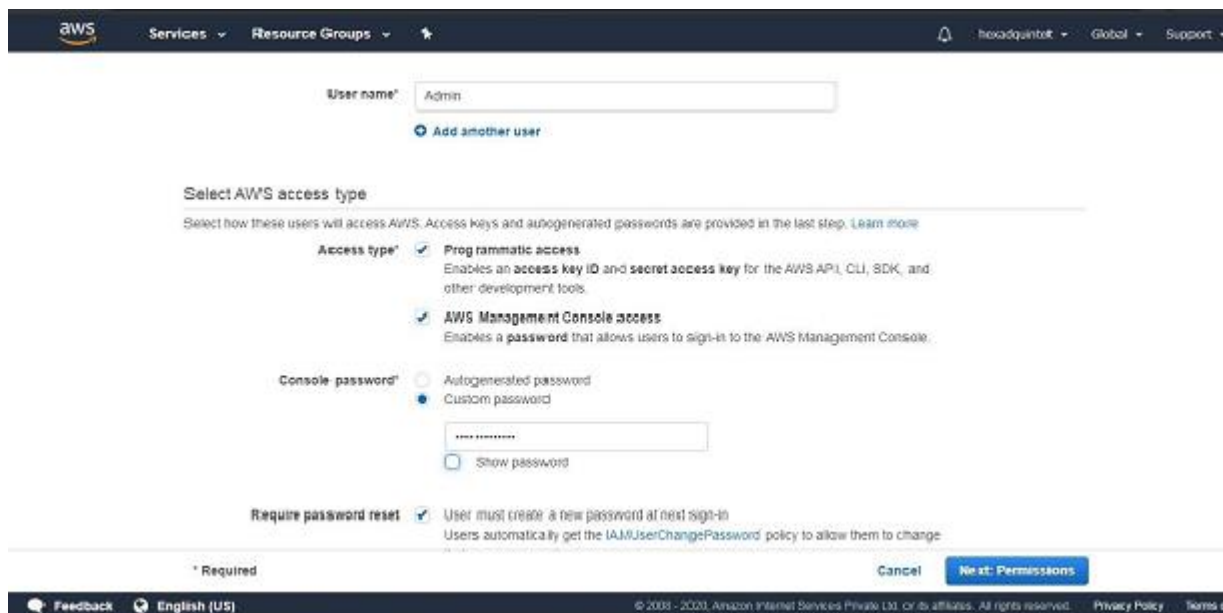
**Step 11:** Go to My Security credential**Step 12:** now click on user

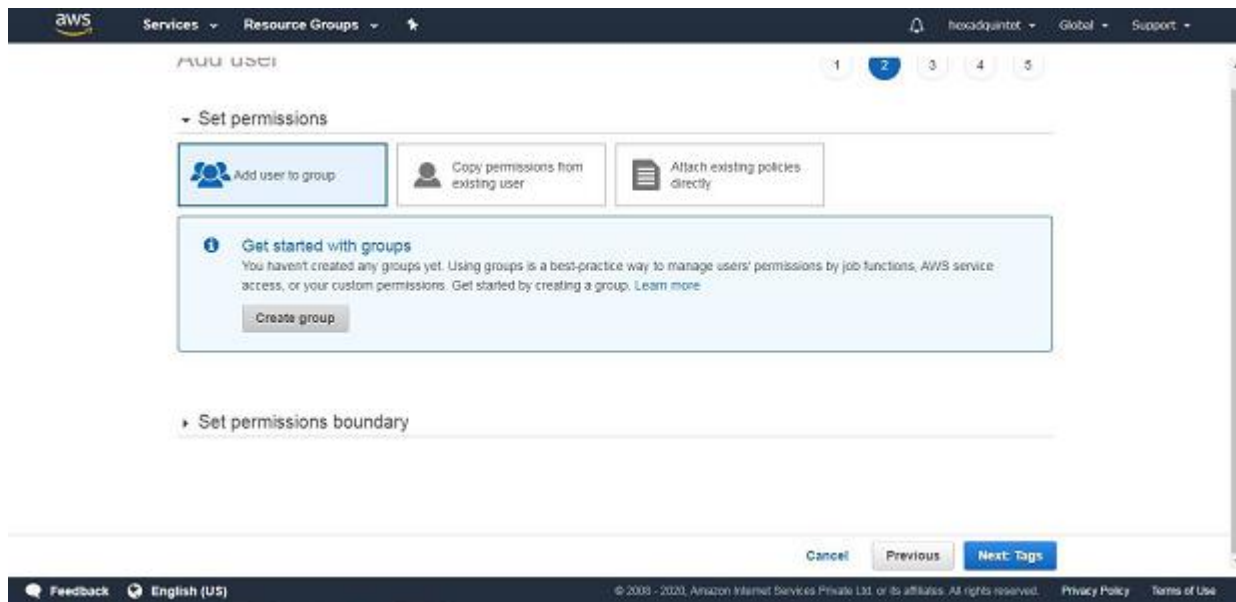
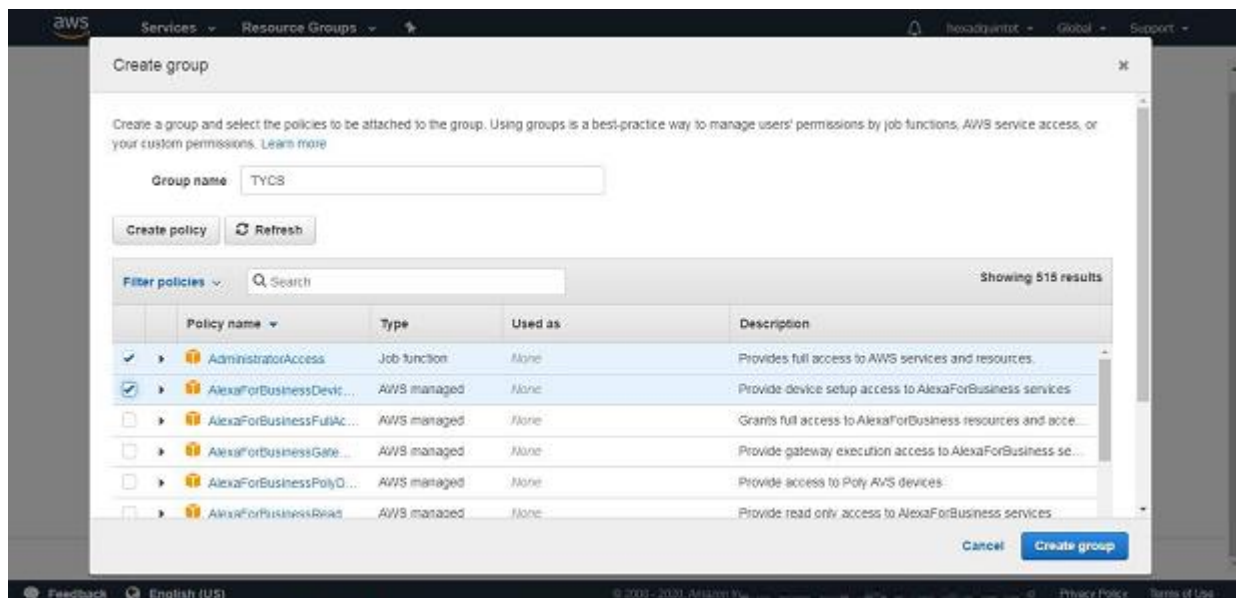


**Step 13:** Click on add user



**Step 14:** Provide the user name and check the check box in front of programmatic access and AWS Management console Access and enter the password for new user  
Click on custom password and click on next permission



**Step 15:** click on create Group**Step16:** Fill the information and click on Create Group

**Step17:** click on next tag leave blank, again click on next review leave as it is and click on create user

User details

User name	admin
AWS access type	Programmatic access and AWS Management Console access
Console password type	Custom
Require password reset	Yes
Permissions boundary	Permissions boundary is not set

Permissions summary

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

Type	Name
Group	TYCS*
Managed policy	IAMUserChangePassword

Tags

No tags were added.

Cancel Previous **Create user**

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**Step 18:** click on close

aws Services Resource Groups

My Account  
My Organization  
My Service Quotas  
My Billing Dashboard  
Orders and Invoices  
My Security Credentials  
Sign Out

Add user to group

Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by joining them to a group.

Create group Refresh

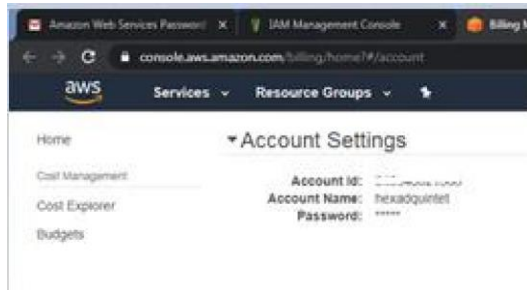
Search

Group	Attached policies
<input checked="" type="checkbox"/> TYCS	AlexaForBusinessDeviceSetup and 1 more

Cancel Previous **Next: Tags**

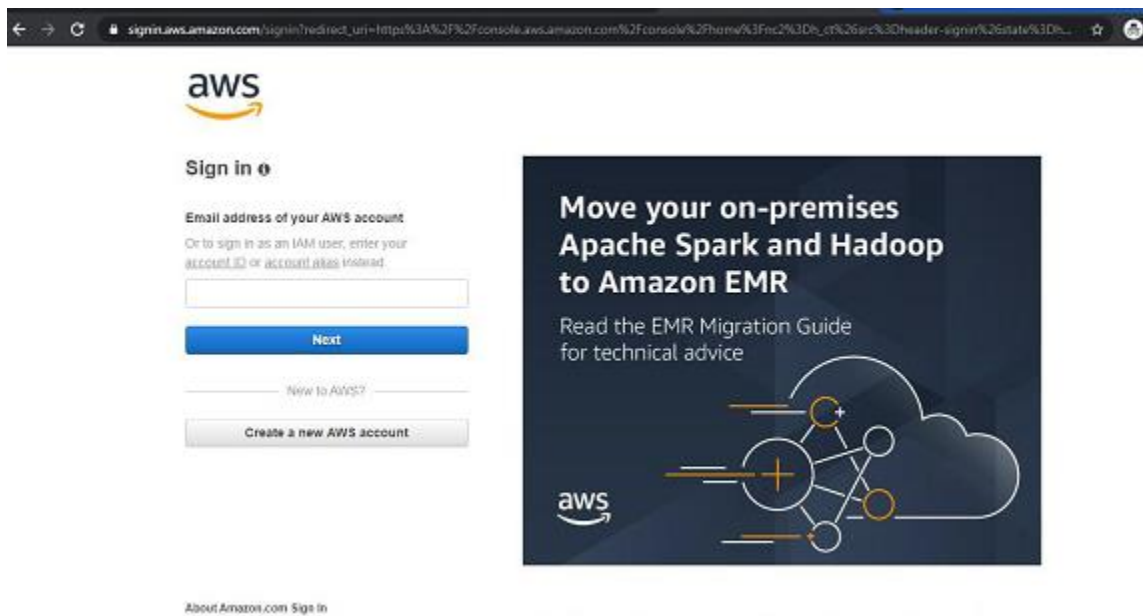
https://console.aws.amazon.com/billing/home?#/account © 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use

And COPY Account ID



Now logout the admin account and try to login as user (newly created) .

**Step 19:** again Go to my Account->AWS Management console



Yow will redirect to home screen

