

Pre-Requisites for AWS Training

- Administrator access on the laptop/desktop (64 bit Machine)
 - Guest Operating Systems – Preferably minimum Windows 2008
 - Access to open internet for participants and trainer
 - Access to RDP & SSH for accessing Remote Machines
 - Putty and Puttygen tools on participants systems (If participants are using Windows OS)
 - ssh client (If participants are using Linux/Mac OS). I can also help the participants if required on the first day of the class.
 - Latest Dockertoolbox along with Oracle Virtualbox to be installed on Windows OS
- Link :** https://docs.docker.com/toolbox/toolbox_install_windows/
- All the labs will be done on personal AWS Cloud Free tier account . Participants need to use their own debit/credit card.

Installing Putty:

Logon to www.putty.org and click on here button as given below



Download PuTTY

PuTTY is an SSH and telnet client, developed originally by Simon Tatham for the Windows platform. PuTTY is open source software that is available with source code and is developed and supported by a group of volunteers.

You can download PuTTY [here](#).

In the next screen , please click on either 32-bit or 64-bit msi installer file , it will ask you to save file. Save and run the file

Package files

You probably want one of these. They include all the PuTTY utilities.

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

MSI ('Windows Installer')

| | | | |
|---------|--|-----------------------------|-----------------------------|
| 32-bit: | putty-0.70-installer.msi | (or by FTP) | (signature) |
| 64-bit: | putty-64bit-0.70-installer.msi | (or by FTP) | (signature) |

Unix source archive

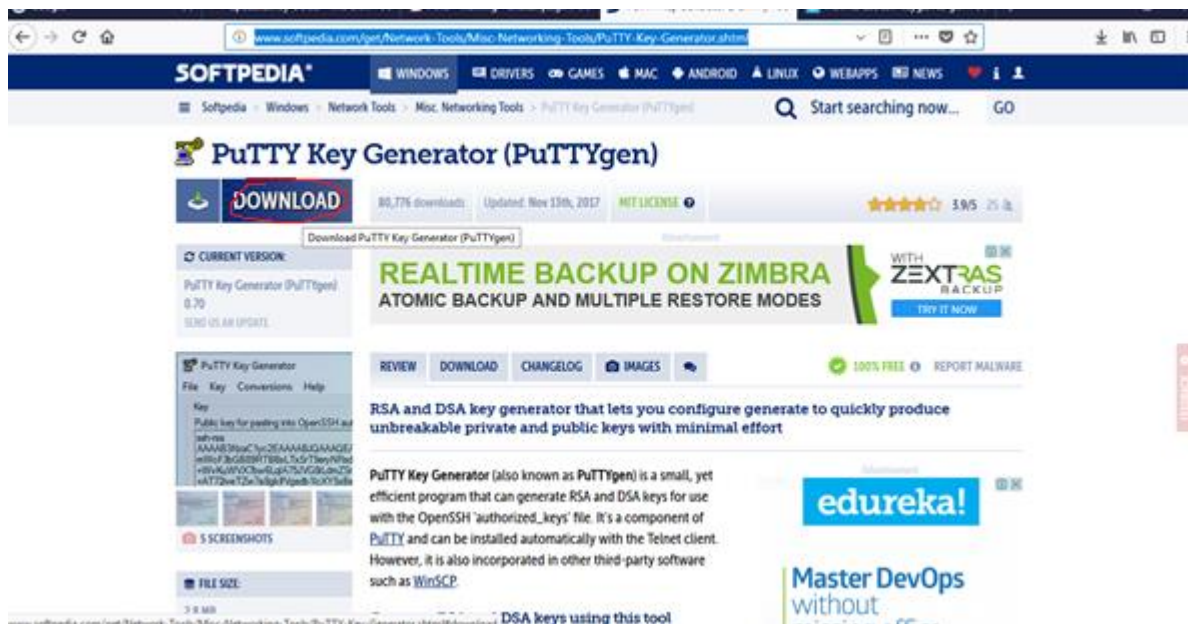
| | | | |
|----------|-----------------------------------|-----------------------------|-----------------------------|
| .tar.gz: | putty-0.70.tar.gz | (or by FTP) | (signature) |
|----------|-----------------------------------|-----------------------------|-----------------------------|

Installing Puttygen:

Logon to the below link

<http://www.softpedia.com/get/Network-Tools/Misc-Networking-Tools/PuTTY-Key-Generator.shtml>

Click on DOWNOAD button in the below link



In the next screen which launches , click on either – External mirror 1 or External mirror based on the system architecture , download would start automatically. Save the file and run the file.

[Back to main page](#)

PuTTY Key Generator (PuTTYgen) - Download locations

Advertisement

- 1 | New Loggly 3.0** Loggly unifies log monitoring, analysis, and the ability to rewrite code in GitHub log-management.loggly.com
- 2 | Submit Resume Now** Immediate Requirement. Sign up to Apply & Find Jobs monsterindia.com

External mirror 1 - x86

External mirror 2 - x64

External mirror 1 - x86

MSI

2.8 MB file size This download is provided to you FREE of charge.

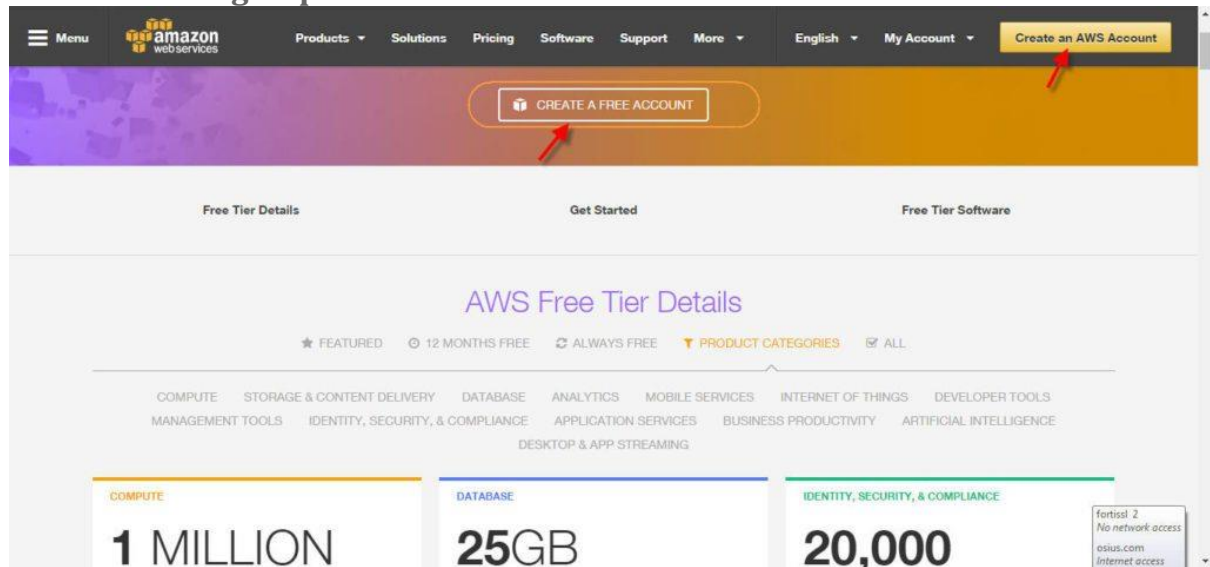
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Creating AWS Free Root Account and Participant AWS Free Accounts (Ref: <https://devopsmates.com/how-to-create-a-new-aws-free-tier-account/>)

Step 1: First Open your web browser and navigate to <https://aws.amazon.com/free/>

1. Click on the “Sign Up Now” or “Create an AWS Account” button.



2. If you already have an Amazon store account you can use the same account to log into Amazon Web services (AWS) and then register for the free tier. If you don't have an Amazon store account you can create a new account here by typing your valid email ID and selecting the “**I am a new user**” button. Then click the “**Sign in using our secure server**” button to continue to next

step.

amazon web services

Sign In or Create an AWS Account

What is your email (phone for mobile accounts)?

E-mail or mobile number:

devopsmates@gmail.com

☒ I am a new user.

☐ I am a returning user and my password is:

Sign in using our secure server

[Forgot your password?](#)

Now Available:
Amazon EBS Elastic Volumes

Dynamically modify capacity, performance, and volume types

[Learn More](#)

Learn more about [AWS Identity and Access Management](#) and [AWS Multi-Factor Authentication](#), features that provide additional security for your AWS Account. View full [AWS Free Usage Tier](#) offer terms.

3. **Login Credentials:** Provide the details which you want to use for login your AWS account.

amazon web services

Login Credentials

Use the form below to create login credentials that can be used for AWS as well as Amazon.com.

My name is: DevOpsMates

My e-mail address is: devopsmates@gmail.com

Type it again: devopsmates@gmail.com

note: this is the e-mail address that we will use to contact you about your account

Enter a new password:

Type it again:

Create account

About Amazon.com Sign In

Amazon Web Services uses information from your Amazon.com account to identify you and allow access to Amazon Web Services. Your use of this site is governed by our [Terms of Use](#) and [Privacy Policy](#) linked below. Your use of Amazon Web Services products and services is governed by the [AWS Customer Agreement](#) linked below unless you purchase these products and services from an AWS Value Added Reseller.

4.

Step 2: Contact Information

Select your AWS type, then Fill the correct information to validate your account if you're going to create personal use then click on "personal Account" else use "company Account".

Contact Information

☐ Company Account ☒ Personal Account

^{*} Required Fields

Full Name*

Country*

* If you select India, your country selection cannot be changed after creating the account.

Address*

City*

State / Province or Region*

Postal Code*

Phone Number*

Security Check 

Please type the characters as shown above
477p2a

Amazon Internet Services Pvt. Ltd. Customer Agreement
Customers with an India contact address are now required to contract with Amazon Internet Service Private Ltd. (AISPL), AISPL is the local seller for AWS Infrastructure services in India.

☒ Check here to indicate that you have read and agree to the terms of the AISPL Customer Agreement

[Create Account and Continue](#)

Make sure provide proper contact details and mobile no. to get the call from AWS for verification. After completed the form enters the captcha code and click on “create the account and continue”.

Step 3: Payment and PAN information:

In this step, you must fill in your credit card info and billing address. If you have PAN then fill those details here.

amazon
aws

Amazon Web Services Sign Up



Contact Information | **Payment & PAN Information** | Identity Verification | Select Plan | Confirmation

Payment Information

Please enter your payment information below. You can be asked to a small set of AWS products to free up the free tier. We will only use your credit card for a small set of products to free up the free tier.

Frequently Asked Questions

Cardholder's Name

Credit/Debit Card Number  

Expiration Date / CVV

☒ Use my current address
(221 Connington Rd, Suite 100, Madurai, Madurai 625 002, India)

☐ Use a new address

Please Note:
As part of our card verification process, we will charge INR 2 on your card when you create the account. This charge will be refunded to you once your card has been verified. You can also use a business card to verify the account. We will not charge you for the verification process.

PAN Information

Do you have a PAN? ☒ Yes ☐ No

You can go to the "My Settings" page on Billing and Cost Management console to update your PAN information.

[Verify Card and Continue](#)

Step4: In this step, it will take you to the payment gateway to validate your payment information and for your credit card verification Amazon will charge the minimal price based on Country. Here I have provided India, so Amazon charged 2 INR.

VERIFIED by VISA | 16 Feb 2017 15:23:29 | citi

Card Number
XXXX XXXX XXXX

Merchant
AMAZON INTERNET SERVICES

Amount
INR 2.00

PLEASE AUTHENTICATE THE TRANSACTION USING:

IPIN (Internet Pin) | OTP (One Time Password)

Enter IPIN

Enter IPIN using virtual keyboard

NEXT | CANCEL

citibank | Citigroup Privacy Promise Terms, Conditions, Caveats and email print Copyright © 2015, Citigroup | Symantec

Waiting for www.citibank.co.in...

Step 5: Identity verification

Here you will be taken to an identity verification page that will already have your phone number, so you just have to click the “**Call me now**” button to continue the process.

Identity Verification

You will be called immediately by an automated system and prompted to enter the PIN number provided.

1. Provide a telephone number

Please enter your information below and click the “Call Me Now” button.

Security Check

nb6d35

Refresh Image

Please type the characters as shown above

nb6d35

Country Code | Phone Number | Ext

India (+91)

Call Me Now

Step 6: Personal Identification number

After receiving a call from AWS, the next page will show your **PIN #** while a call is made to the phone number you have provided. When it ask you to type your **PIN #** the webpage is providing you for identity verification purposes.

The screenshot shows a progress bar at the top with five steps: Contact Information, Payment & PAN Information, Identity Verification, Support Plan, and Confirmation. The first three steps are marked with orange checkmarks, indicating they are complete. The main content area is titled "Identity Verification" and contains the following text:

You will be called immediately by an automated system and prompted to enter the PIN number provided.

1. Provide a telephone number ✓

2. Call in progress

Please follow the instructions on the telephone and key in the following Personal Identification Number (PIN) on your telephone when prompted.

PIN: 2728

If you have not yet received a call at the number indicated above please wait. This page will automatically update with what you need to do next.

3. Identity verification complete

Step 7: Identity Verification complete

Once your verification is complete just click the “Continue” button

This screenshot shows the same "Identity Verification" screen as the previous one, but with the progress bar updated. The first three steps (Contact Information, Payment & PAN Information, and Identity Verification) are now all marked with orange checkmarks. The main content area shows:

1. Provide a telephone number ✓

2. Call in progress ✓

3. Identity verification complete

Your identity has been verified successfully.

At the bottom, there is a yellow button labeled "Continue to select your Support Plan". A red arrow points to this button.

Step 8: Support plan

AWS support offers a selection of plans to meet your business needs. Select your suitable plan then click continue.

Note: All customers receive free basic support.

Support Plan

AWS Support offers a selection of plans to meet your needs. All plans provide 24x7 access to customer service, AWS documentation, whitepapers, and support forums. For access to technical support and additional resources to help you plan, deploy, and optimize your AWS environment, we recommend selecting a support plan that best aligns with your AWS usage.

All customers receive free Basic Support.

Basic Support

- Basic**
Description: Customer Service for account and billing questions and access to the AWS Community Forums.
Price: Included
- Developer**
Use case: Experimenting with AWS
Description: One primary contact may ask technical questions through Support Center and get a response within 12-24 hours during local business hours.
Price: Starts at \$29/month (scales based on usage)
- Business**
Use case: Production use of AWS
Description: 24x7 support by phone and chat, 1-hour response to urgent support cases, and help with common third-party software. Full access to AWS Trusted Advisor for optimizing your AWS infrastructure, and access to the AWS Support API for automating your support cases and retrieving Trusted Advisor results.
Price: Starts at \$100/month (scales based on usage)

To explore all features and benefits of AWS Support, including plan comparisons and pricing samples, click [here](#).

[Continue](#)

Step 9: Registration Confirmation page.

Once you completed all the above steps and process. You'll get the confirmation page like below. Now your account will be processed for activation. It may take somewhere between 30 minutes to 1 hour for you to receive an email

confirmation that your Amazon Cloud Services account has been activated.

Menu **amazon** web services Products Solutions Pricing Software Support More English My Account Complete Sign Up

Registration Confirmation

Welcome to Amazon Web Services

Thank you for creating an Amazon Web Services Account. We are activating your account, which should only take a few minutes. You will receive an email when this is complete.

[Sign In to the Console](#)
[Contact Sales](#)

Try AWS with a 10-Minute Tutorial

Launch a Linux Virtual Machine

Store Your Files in the Cloud

Launch a WordPress Website

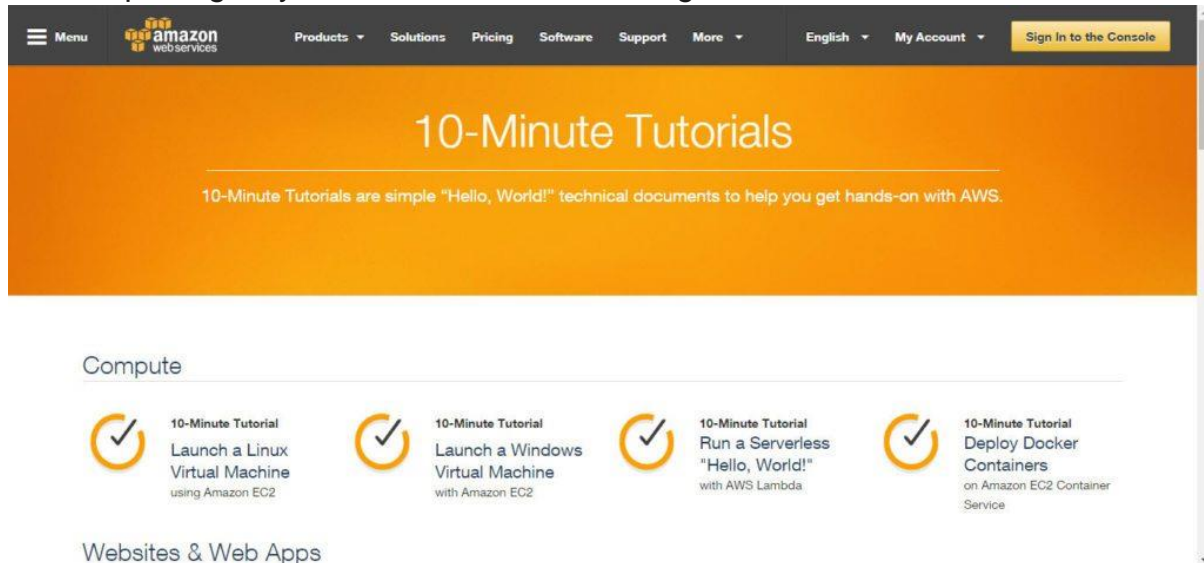
Launch a Web Application

[View all tutorials >>](#)

Waiting for u3smathtag.com...

Step 10: Check out Free Tutorials/Guides – 10 Minute Tutorials

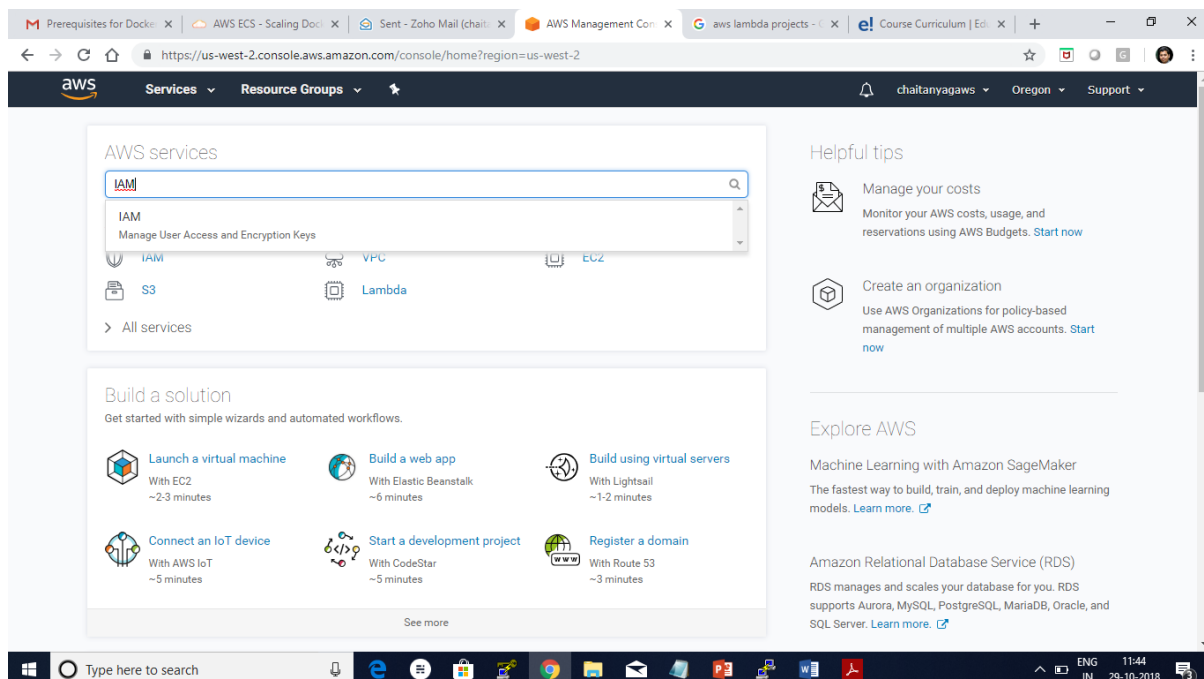
This step will give you 10 minutes tutorials to get hands-on with AWS.



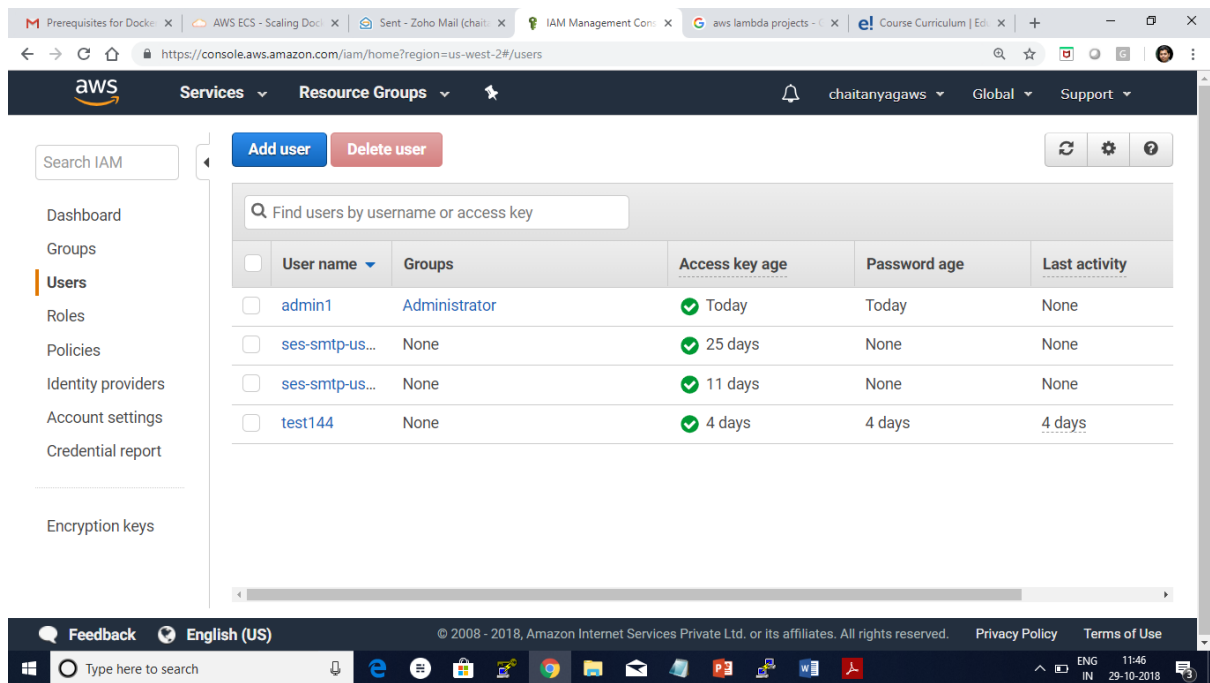
Conclusion: I hope this guide will help you to create your AWS Free Tier account and Please remember what are the free features of the service. As part of AWS Free Tier Usage, new AWS customers can get started with Amazon EC2 for free. Click here to know more about [Amazon EC2 Instance](#) and [how to launch EC2 Instance from Web Console Management](#).

Creating Admin Accounts:

1. Login to AWS Management console and access IAM :



2. On the left side pane click on “Users”:



3. Click on “Add User” button on the right Pane and enter the participant nickname

Click on + Add Another user and add other participant names here

Check both Access Type – Programmatic and Management Console Access box

Console Password choose Custom Password

Check Require Password reset option

Add user

Set user details

You can add multiple users at once with the same access type and permissions. [Learn more](#)

User name* participant1

[Add another user](#)

Select AWS access type

Select how these users will access AWS. Access keys and autogenerated passwords are provided in the last step. [Learn more](#)

Access type*

- ☒ **Programmatic access**
Enables an access key ID and secret access key for the AWS API, CLI, SDK, and other development tools.
- ☒ **AWS Management Console access**
Enables a password that allows users to sign-in to the AWS Management Console.

Console password*

- ☐ Autogenerated password
- ☒ Custom password

.....
☐ Show password

Require password reset ☒ User must create a new password at next sign-in
Users automatically get the `IAMUserChangePassword` policy to allow them to change

[Cancel](#) [Next: Permissions](#)

4. Under Setup Permissions screen Click on click on -Attach Policies Directly and check the first box – AdministratorAccess

Add user

Set permissions

[Add user to group](#) [Copy permissions from existing user](#) [Attach existing policies directly](#)

[Create policy](#)

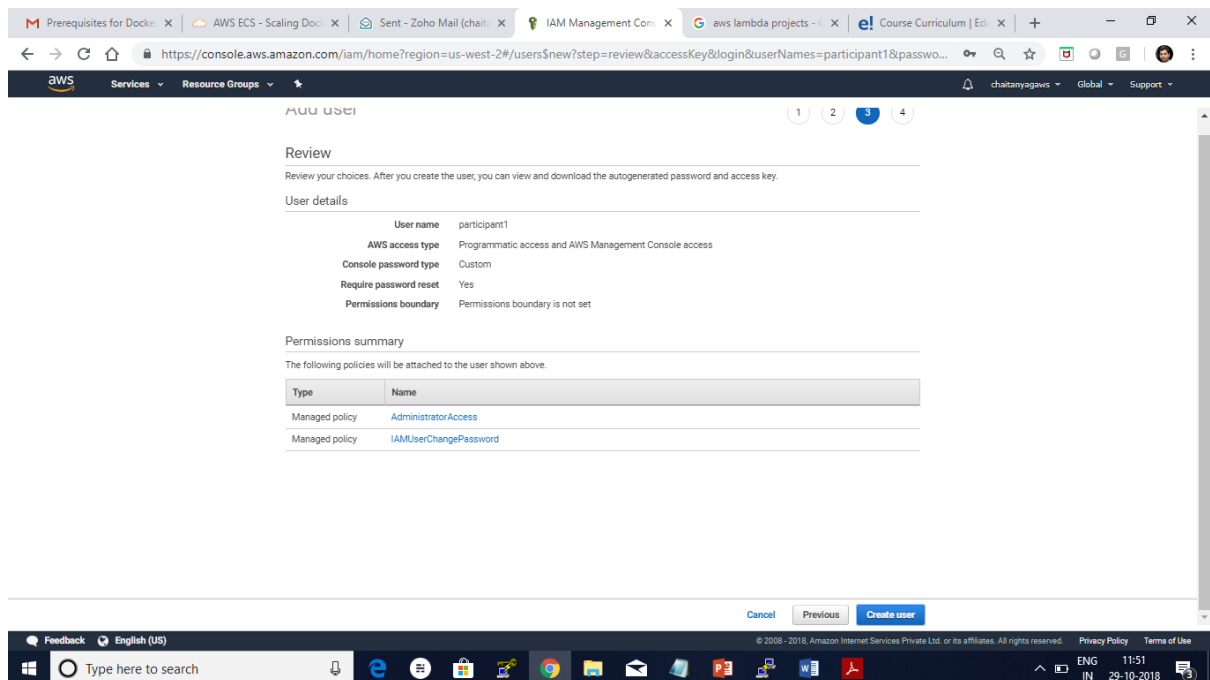
Filter policies Search Showing 375 results

| Policy name | Type | Used as | Description |
|---|--------------|------------------------|---|
| <input checked="" type="checkbox"/> AdministratorAccess | Job function | Permissions policy (2) | Provides full access to AWS services and... |
| <input type="checkbox"/> AlexaForBusinessDe... | AWS managed | None | Provide device setup access to AlexaFor... |
| <input type="checkbox"/> AlexaForBusinessFu... | AWS managed | None | Grants full access to AlexaForBusiness re... |
| <input type="checkbox"/> AlexaForBusinessGa... | AWS managed | None | Provide gateway execution access to Ale... |
| <input type="checkbox"/> AlexaForBusinessRe... | AWS managed | None | Provide read only access to AlexaForBusi... |
| <input type="checkbox"/> AmazonAPIGateway... | AWS managed | None | Provides full access to create/edit/delete... |
| <input type="checkbox"/> AmazonAPIGateway... | AWS managed | None | Provides full access to invoke APIs in Am... |
| <input type="checkbox"/> AmazonAPIGateway... | AWS managed | None | Allows API Gateway to push logs to user... |

Set permissions boundary

[Cancel](#) [Previous](#) [Next: Review](#)

5. Review and create users



6. Download the .csv files which has all the credentials.

7. Participants must login using the specific console link and passwords.

Note: All the participant accounts will have access to all the services except billing. In the class I will tell them which is free and how to use only free accounts . It is individual responsibility for any charges in their account.