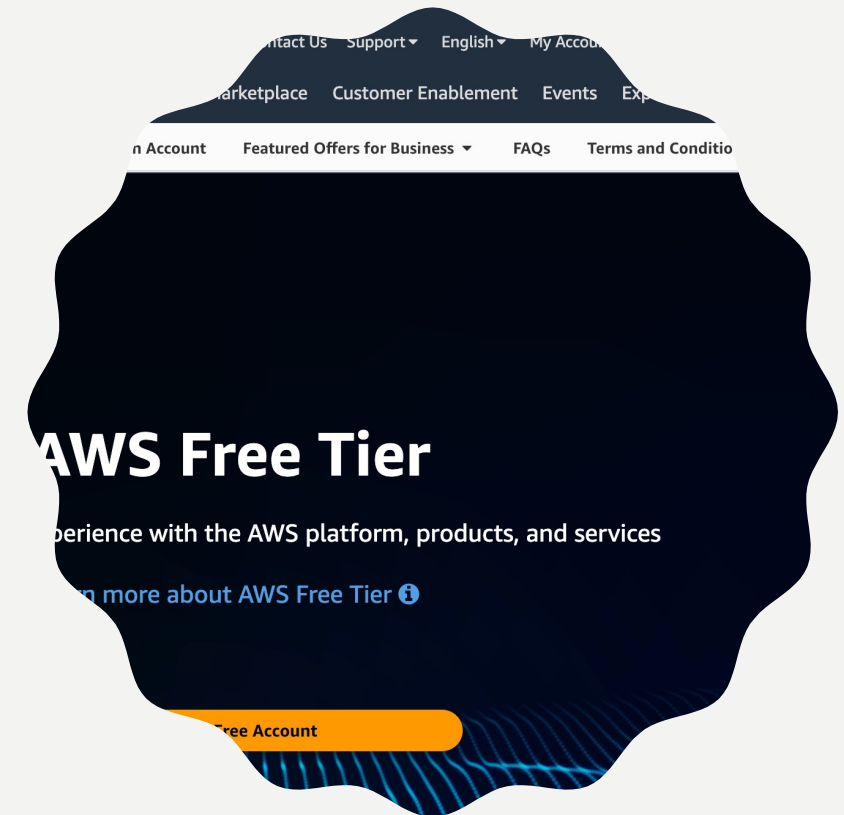


CREATION OF EC2 INSTANCE

BY: MICHAEL ILODIGWE

CREATE AWS FREE TIER ACCOUNT

- AWS offers a free tier account to use their services for free for a year.
- Click the link below to get Started
 - https://aws.amazon.com/free/?all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=asc&awsf.Free%20Tier%20Types=*all&awsf.Free%20Tier%20Categories=*all



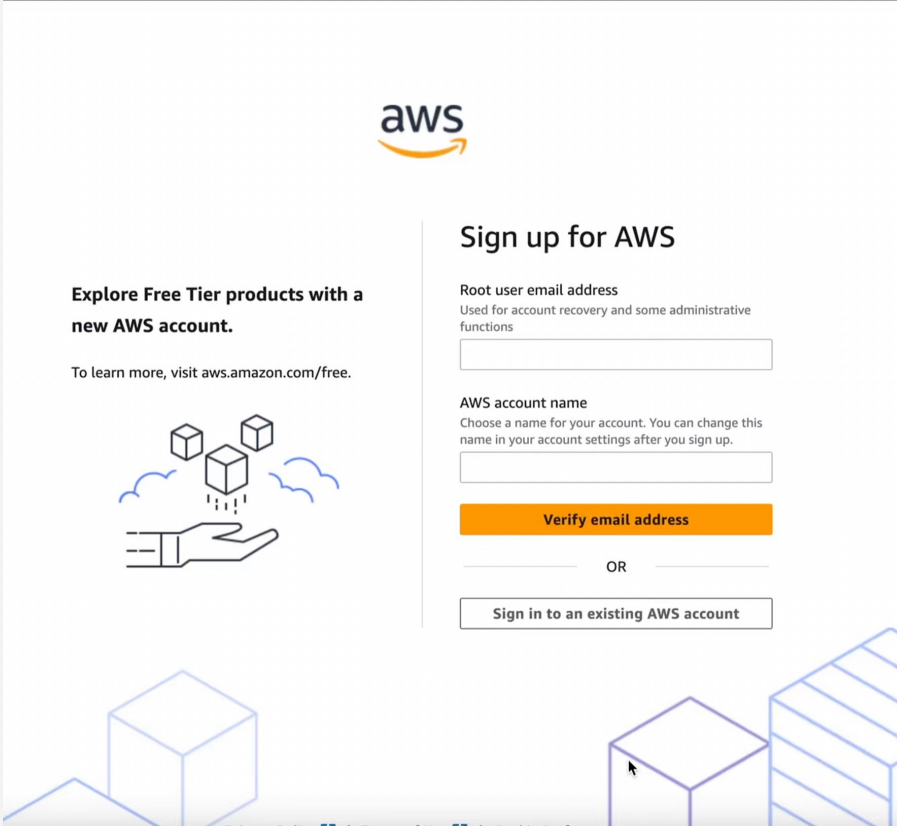
ABOUT AWS FREE TIER SERVICES

- Enter your email address and continue with account creation.
- AWS Services are free for 1 year.
- Once you create your AWS Account, Proceed to the Next Slide



AWS LOGIN PAGE


- Enter Your Email Address :
- Ex . Linux_Essentials@yahoo.com
- AWS Account name :
- Ex. Linux_Essentials
- Once Complete, Click Verify Email Address



The screenshot shows the AWS Sign Up page. At the top right is the AWS logo. On the left, there is a section titled "Explore Free Tier products with a new AWS account." with a link to aws.amazon.com/free and an illustration of a hand holding three cubes. On the right, the "Sign up for AWS" section contains two input fields: "Root user email address" (with a note "Used for account recovery and some administrative functions") and "AWS account name" (with a note "Choose a name for your account. You can change this name in your account settings after you sign up."). Below these fields is an orange "Verify email address" button. Underneath the button is an "OR" separator, and at the bottom of the sign-up section is a "Sign in to an existing AWS account" button. The footer of the page includes links for "Privacy Notice", "Terms of Use", and "Contact Us".


CREATE ROOT PASSWORD

- Create Root Password for AWS Account and Click Continue



Free Tier products with a new AWS account.

For more information, visit 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)

OR

Sign in to an existing AWS account

FILL OUT CONTACT INFORMATION

- Select Personal Check Box and Fill out Contact Information and Click Continue

Free Tier offers

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



Always free
Never expires



12 months free
Start from initial sign-up date



Trials
Start from service activation date

Contact Information

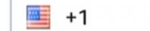
How do you plan to use AWS?

- ☐ Business - for your work, school, or organization
- ☒ Personal - for your own projects

Who should we contact about this account?

Full Name

Country code



Phone Number

222-333-4444

Country or Region

United States

Address line 1

Address line 2

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


City


State, Province, or Region

ENTER BILLING INFORMATION

Enter Billing Information AWS Will Not Charge you for one Year. Once completed, click Verify and Continue





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.



Billing Information

Credit or Debit card number


   

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

Expiration date

Month

Year

Security code 

CVV/CVC

Cardholder's name

Billing address
☒ Use my contact address

☐ Use a new address

Verify and Continue (step 3 of 5)

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

CONFIRM YOUR IDENTITY

- Confirm your phone number with AWS

Sign up for AWS

Confirm your identity

Before you can use your AWS account, you must verify your phone number. When you continue, the AWS automated system will contact you with a verification code.

How should we send you the verification code?

☒ Text message (SMS)

☐ Voice call

Country or region code

United States (+1)

Mobile phone number

Security check

Type the characters as shown above

Send SMS (step 4 of 5)

Sign up for AWS

Confirm your identity

Verify code

Continue (step 4 of 5)

Having trouble? Sometimes it takes up to 10 minutes to retrieve a verification code. If it's been longer than that, [return to the previous page](#) and try again.

SELECT SUPPORT PLAN

- Select Support Plan : Basic support – Free and Clock Complete Sign up

Sign up for AWS

Select a support plan

Choose a support plan for your business or personal account. [Compare plans and pricing examples](#). You can change your plan anytime in the AWS Management Console.

☒ **Basic support - Free**

- Recommended for new users just getting started with AWS
- 24x7 self-service access to AWS resources
- For account and billing issues only
- Access to Personal Health Dashboard & Trusted Advisor



☐ **Developer support - From \$29/month**

- Recommended for developers experimenting with AWS
- Email access to AWS Support during business hours
- 12 (business)-hour response times



☐ **Business support - From \$100/month**

- Recommended for running production workloads on AWS
- 24x7 tech support via email, phone, and chat
- 1-hour response times
- Full set of Trusted Advisor best-practice recommendations



Need Enterprise level support?

From \$15,000 a month you will receive 15-minute response times and concierge-style experience with an assigned Technical Account Manager. [Learn more](#)

Complete sign up



Congratulations!

Thank you for signing up with AWS.

We are activating your account, which should take a few minutes. You will receive an email when this is complete.

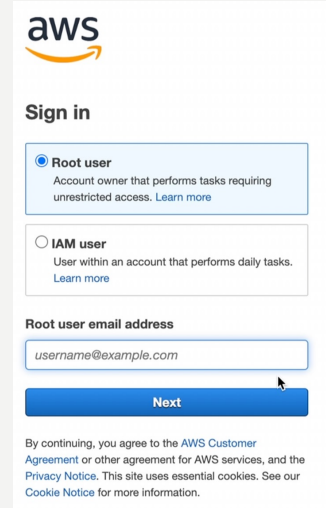
[Go to the AWS Management Console](#)

[Sign up for another account](#) or [Contact Sales](#)

CLICK GO TO THE AWS MANAGEMENT CONSOLE

NOW, TIME TO LOGIN TO YOUR CONSOLE

Enter the email and password you registered with



The image shows the AWS sign-in page. At the top is the AWS logo. Below it is the 'Sign in' heading. There are two radio button options: 'Root user' (selected) and 'IAM user'. The 'Root user' option has a description: 'Account owner that performs tasks requiring unrestricted access. Learn more'. The 'IAM user' option has a description: 'User within an account that performs daily tasks. Learn more'. Below these is a text input field for 'Root user email address' with the placeholder 'username@example.com'. A blue 'Next' button is at the bottom. At the very bottom, there is a small disclaimer: '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.'

aws

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.



The image shows the 'Root user sign in' page. It has a heading 'Root user sign in' with an information icon. Below is an 'Email:' label followed by a text input field. Then a 'Password' label followed by a text input field with masked characters. A 'Forgot password?' link is to the right of the password field. A large blue 'Sign in' button is below the password field. At the bottom, there are two links: 'Sign in to a different account' and 'Create a new AWS account'.

Root user sign in ⓘ

Email:

Password [Forgot password?](#)

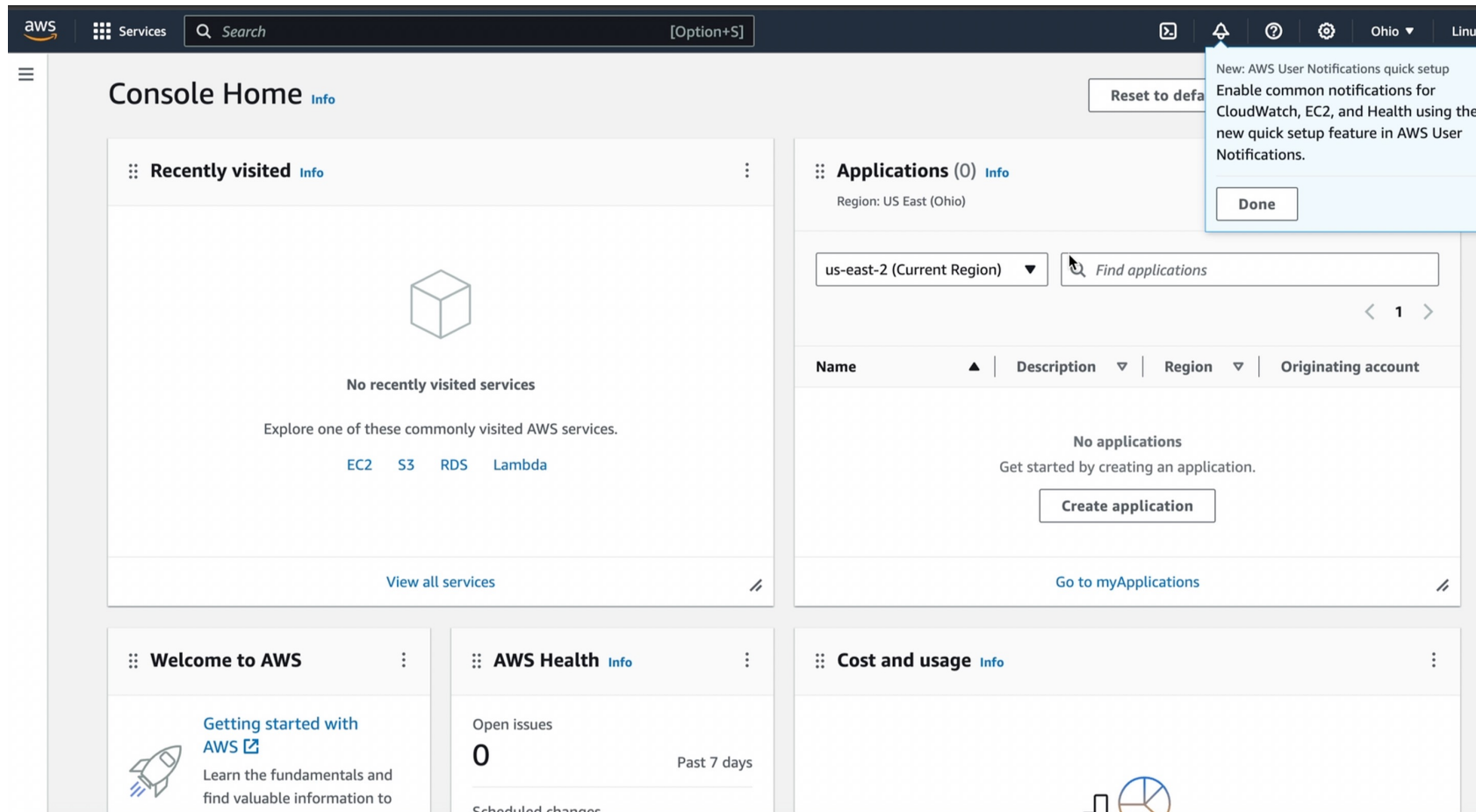
.....

Sign in

[Sign in to a different account](#)

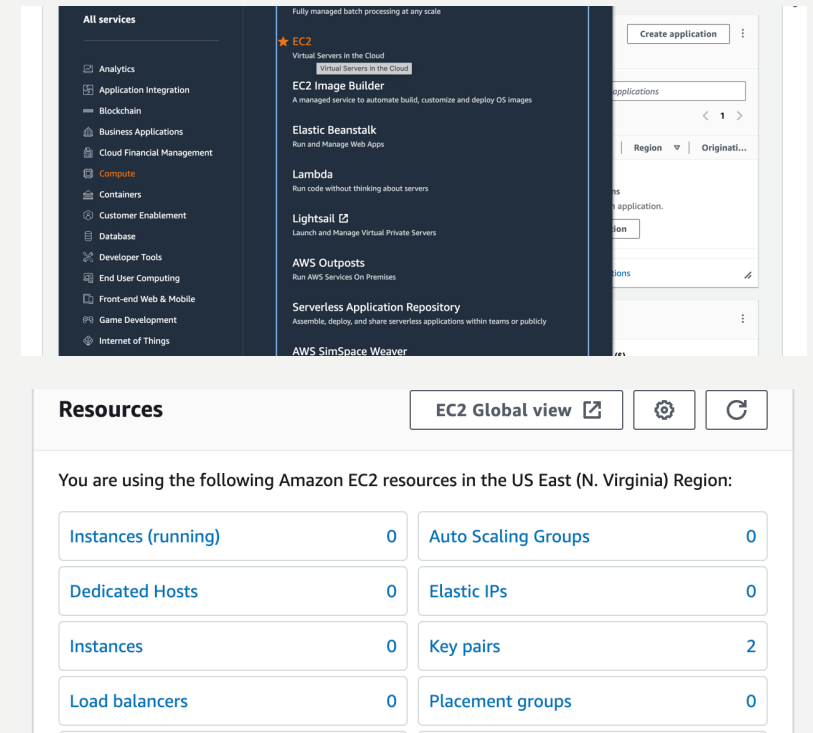
[Create a new AWS account](#)

WELCOME TO AWS CONSOLE LOGIN SCREEN



CREATE EC2 INSTANCE


- Click on Services at the top and Find Compute -> Click on “EC2”
- On the next Page click “Instances (Running)” To create EC2 instances



CREATE EC2 INSTANCE STEP 1

I. Click on “Launch Instances”

Instances [Info](#)




Connect

Instance state ▼


Actions ▼



Launch instances ▼

 Find Instance by attribute or tag (case-sensitive)

All states ▼

< 1 >



	Name  ▼	Instance ID	Instance state ▼	Instance type ▼	Status check	Alarm status	Availability
<div>No instances</div> <div>You do not have any instances in this region</div> <div>Launch instances</div>							

CREATE EC2 INSTANCE STEP 2

2. Fill in Server Configuration Details

[EC2](#) > [Instances](#) > Launch an instance

Launch an instance [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags [Info](#)

Name

Server1

[Add additional tags](#)

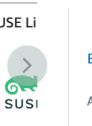
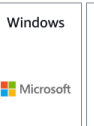
▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Q Search our full catalog including 1000s of application and OS images

Recents

[Quick Start](#)



Amazon Machine Image (AMI)

Amazon Linux 2023 AMI
ami-00beae93a2d981137 (64-bit (x86), uefi-preferred) / ami-0bfac9aa66a558bd8 (64-bit (Arm), uefi)
Virtualization: hvm ENA enabled: true Root device type: ebs [Free tier eligible](#)

Description

Amazon Linux 2023 AMI 2023.4.20240528.0 x86_64 HVM kernel-6.1

Architecture

64-bit (x86)

Boot mode

uefi-preferred

AMI ID

ami-00beae93a2d981137

Verified provider

▼ Instance type [Info](#) | [Get advice](#)

Name : Server1

Application and OS Images (Amazon Machine Image) : Amazon Linux

Instance type: t2.micro

Key pair (login) : Create new key pair (Name the Key Pair Save and Download it)

** Key pair will be download and you will need this to login to your EC2 instance

Key pair type : RSA

Private key file format : .pem

Network Settings : Leave Default, This will create a new security group

4. Once complete, Click Launch

LOGIN TO EC2 INSTANCE

- Once your instance is finished and the status is “Running” ssh into to your ec2 instance using the key-pair you downloaded in the previous slide
1. Open an SSH client.
 - Locate your private key file. The key used to launch this instance is <key_pair>.pem
 2. Run this command, if necessary, to ensure your key is not publicly viewable.
 - `chmod 400 "<key_pair.pem>"`
 3. Connect to your instance using its Public IP Address:
 - `ssh -i <key_pair>.pem <host_name>`