

1. **What service did you use to host the website?**  
I used **AWS EC2 (Elastic Compute Cloud)** to host the website.
2. **What operating system is the server running?**  
The server is running **Amazon Linux 2023**.
3. **What steps did you take to configure and deploy the web page?**  
(Steps):
  - **Step 1: Created an EC2 Instance**
    - Launched a new EC2 instance using the Amazon Linux 2023 AMI.
    - Named the instance My bio.
    - Added inbound security group rules for **SSH (port 22)**, **HTTP (port 80)**, and **HTTPS (port 443)**.
  - **Step 2: Connected to the EC2 Instance**

Used SSH to connect to the instance:

```
ssh -i "key.pem" ec2-user@<Public-IP>
sudo su -
```

- 
- **Step 3: Installed and Configured Apache HTTP Server**

Updated the system and installed the Apache HTTP server:

```
yum update -y
yum install -y httpd
```

■

Started and enabled the Apache service to ensure it runs at boot:

```
systemctl start httpd
systemctl enable httpd
```

■

- **Step 4: Deployed Web Content**

Downloaded the `index.html` and `profile.jpg` files from a GitHub repository:

```
wget
https://github.com/Enioluwaige/Enioluwa-exam/archive/refs/heads/main.zip
ip
unzip main.zip
mv * /var/www/html/
```

- Verified that the `index.html` and `profile.jpg` files were successfully placed in the `/var/www/html` directory.
- **Step 5: Tested the Website**

Accessed the public IP address of the EC2 instance in a web browser:  
plaintext

`http://54.75.219.249`

- **Step 6: Verified Website Output**
  - Confirmed that the web page displayed the content, including the landing page with text and images.
- 4. **What is the IP address of the server?**  
**Answer:** The server's public IP address is **54.75.219.249**.
- 5. **What is the purpose of the website you hosted?**  
**Answer:** The website serves as a **personal landing page** for Enioluwa Ige, introducing my professional journey, educational background, goals, and key projects.

## AWS EC2 Website Deployment Documentation

### 1. Objective

To host a personal landing page on an AWS EC2 instance.

### 2. Tools and Technologies Used

- **Cloud Service:** AWS EC2
- **Operating System:** Amazon Linux 2023
- **Web Server:** Apache HTTPD
- **Files Used:** `index.html`, `profile.jpg` (from GitHub repository)

### 3. Steps Performed

#### Step 1: Launched an EC2 Instance

- Selected the Amazon Linux 2023 AMI.
- Configured the security group to allow:
  - **SSH (22):** Custom
  - **HTTP (80):** Anywhere
  - **HTTPS (443):** Anywhere

## Step 2: Connected to the EC2 Instance

Used SSH to connect:

```
ssh -i "key.pem" ec2-user@54.75.219.249
```

- 

## Step 3: Installed Apache HTTP Server

Updated the system and installed Apache:

```
yum update -y  
yum install -y httpd
```

- 

Started and enabled Apache:

```
systemctl start httpd  
systemctl enable httpd
```

- 

## Step 4: Deployed the Web Content

Downloaded the website files:

```
wget  
https://github.com/Enioluwaige/Enioluwa-exam/archive/refs/heads/main.zip  
ip  
unzip main.zip  
mv * /var/www/html/
```

- 

- Verified files in `/var/www/html` directory.

## Step 5: Tested the Deployment

Accessed the public IP address in the browser:

arduino

```
http://54.75.219.249
```

- Confirmed the landing page displayed correctly.

#### 4. Results

- The website successfully displayed a personal landing page.
- **Server IP Address:** 54.75.219.249

#### 5. Conclusion

The website deployment on AWS EC2 using Amazon Linux and Apache HTTPD was successful. The content from the GitHub repository was hosted and accessible via the public IP.

This was also hosted via netlify  
<https://enioluwa-exam.netlify.app/>

Kindly see screenshot attached showing processes

github.com/Enioluwaige/Enioluwa-exam

Enioluwaige / Enioluwa-exam

Type [Z] to search

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Enioluwa-exam Public

main 1 Branch 0 Tags

Go to file

Add file Code

Enioluwaige fist commit ✓

index.html fist commit

profile.jpg fist commit

README

Clone

Local Codespaces

HTTPS SSH GitHub CLI

https://github.com/Enioluwaige/Enioluwa-exam.git

Clone using the web URL.

Open with GitHub Desktop

Download ZIP

About

No description, website, or topics provided

Activity

0 stars

1 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

Not secure 54.75.219.249

Welcome to Enioluwa Ige's Landing Page

Hello there! My name is **Enioluwa Ige**, and I'm on a journey to become a **DevOps Engineer**. Technology excites me, and I am constantly learning new ways to solve problems in the cloud space.

A little about me: I currently work with **Junia Nigeria**, and I'm passionate about blending creativity and tech to achieve big goals. I'm an enthusiastic learner who enjoys working with tools like **AWS, VirtualBox, Git Bash, and Ubuntu** while building the skills needed for a successful career in cloud engineering.

In addition to my professional journey, I'm currently pursuing my studies at **University of the People** as part of my commitment to continuous learning and self-improvement. Balancing work and education has taught me valuable lessons in time management, resilience, and focus. I'm thrilled about the opportunities this education will unlock for me in the tech world.

Looking ahead, I aspire to build my own **cloud services platform** that helps businesses across Africa and beyond manage their applications seamlessly. My goal is to create a service that prioritizes efficiency, scalability, and affordability while making advanced cloud tools accessible to everyone.

Recently, I worked on a project called **Skill Hub**, which aims to create a platform where users can search for jobs and acquire skills needed for their careers. This project combines my love for technology with the desire to solve real-world problems by bridging the skills gap for aspiring professionals.

When I'm not working or studying, I enjoy movies over reading 📖, exploring motivational content, and connecting with friends and family. I also love inspiring others with daily encouragement and faith-based motivation!

Thank you for visiting my page 🙏  
Let's connect and build something great together.

```
eu-west-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=eu-west-1&connType=standard&instanceId=i-0f0b66493550...

creating: Enioluwa-exam-main/
inflating: Enioluwa-exam-main/index.html
inflating: Enioluwa-exam-main/profile.jpg
[root@ip-172-31-21-22 aws_assg3]# ls -lrt
total 316
-rwxr-xr-x. 2 root root 43 Dec 18 12:41 Enioluwa-exam-main
-rw-r--r--. 1 root root 218552 Dec 18 12:51 Enioluwa-exam.git
-rw-r--r--. 1 root root 99042 Dec 18 13:02 main.zip
[root@ip-172-31-21-22 aws_assg3]# cd Enioluwa-exam-main
[root@ip-172-31-21-22 Enioluwa-exam-main]# ls -lrt
total 104
-rw-r--r--. 1 root root 97116 Dec 18 12:41 profile.jpg
-rw-r--r--. 1 root root 5096 Dec 18 12:41 index.html
[root@ip-172-31-21-22 Enioluwa-exam-main]# mv * /var/www/html/
[root@ip-172-31-21-22 Enioluwa-exam-main]# cd /var/www/html
[root@ip-172-31-21-22 html]# ls -lrt
total 104
-rw-r--r--. 1 root root 97116 Dec 18 12:41 profile.jpg
-rw-r--r--. 1 root root 5096 Dec 18 12:41 index.html
[root@ip-172-31-21-22 html]# systemctl status httpd
o httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
   Active: inactive (dead)
     Docs: man:httpd.service(8)
[root@ip-172-31-21-22 html]# systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service - /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-21-22 html]# systemctl start httpd
[root@ip-172-31-21-22 html]# systemctl start httpd
[root@ip-172-31-21-22 html]#
```

**i-0f0b664935506c05f (My-bio)**  
PublicIPs: 54.75.219.249 PrivateIPs: 172.31.21.22

```
eu-west-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=eu-west-1&connType=standard&instanceId=i-0f0b66493550...

Saving to: 'main.zip'
main.zip [ <=> ] 96.72K --.-KB/s in 0.005s

2024-12-18 13:02:23 (19.0 MB/s) - 'main.zip' saved [99042]

[root@ip-172-31-21-22 aws_assg3]# ls -lrt
total 316
-rwxr-xr-x. 2 root root 43 Dec 18 12:41 Enioluwa-exam-main
-rw-r--r--. 1 root root 218552 Dec 18 12:51 Enioluwa-exam.git
-rw-r--r--. 1 root root 99042 Dec 18 13:02 main.zip
[root@ip-172-31-21-22 aws_assg3]# unzip main.zip
Archive:  main.zip
  inflating: Enioluwa-exam-main/
  inflating: Enioluwa-exam-main/index.html
  inflating: Enioluwa-exam-main/profile.jpg
[root@ip-172-31-21-22 aws_assg3]# ls -lrt
total 316
-rwxr-xr-x. 2 root root 43 Dec 18 12:41 Enioluwa-exam-main
-rw-r--r--. 1 root root 218552 Dec 18 12:51 Enioluwa-exam.git
-rw-r--r--. 1 root root 99042 Dec 18 13:02 main.zip
[root@ip-172-31-21-22 aws_assg3]# cd Enioluwa-exam-main
[root@ip-172-31-21-22 Enioluwa-exam-main]# ls -lrt
total 104
-rw-r--r--. 1 root root 97116 Dec 18 12:41 profile.jpg
-rw-r--r--. 1 root root 5096 Dec 18 12:41 index.html
[root@ip-172-31-21-22 Enioluwa-exam-main]# mv * /var/www/html/
[root@ip-172-31-21-22 Enioluwa-exam-main]# cd /var/www/html
[root@ip-172-31-21-22 html]# ls -lrt
```

**i-0f0b664935506c05f (My-bio)**  
PublicIPs: 54.75.219.249 PrivateIPs: 172.31.21.22

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Type here to search 3:03 PM 12/18/2024

eu-west-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=eu-west-1&connType=standard&instanceId=i-0f0b66493550...

Search [Alt+S]

Installed:

```
apr-1.7.5-1.amzn2023.0.2.x86_64      apr-util-1.6.3-1.amzn2023.0.1.x86_64  apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64  generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch
httpd-2.4.62-1.amzn2023.x86_64      httpd-core-2.4.62-1.amzn2023.x86_64  httpd-filesystem-2.4.62-1.amzn2023.noarch      httpd-tools-2.4.62-1.amzn2023.x86_64
libbrotli-1.0.9-4.amzn2023.0.2.x86_64  mailcap-2.1.49-3.amzn2023.0.3.noarch  mod_http2-2.0.27-1.amzn2023.0.3.x86_64      mod_lua-2.4.62-1.amzn2023.x86_64
```

Complete!

```
[root@ip-172-31-21-22 ~]# systemctl status httpd
0 httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
   Active: inactive (dead)
     Docs: man:httpd.service(8)
[root@ip-172-31-21-22 ~]# mkdir aws_assg3
[root@ip-172-31-21-22 ~]# cd aws_assg3
[root@ip-172-31-21-22 aws_assg3]# wget https://github.com/Enioluwaige/Enioluwa-exam.git
--2024-12-18 12:51:02-- https://github.com/Enioluwaige/Enioluwa-exam.git
Resolving github.com (github.com)... 4.208.26.197
Connecting to github.com (github.com)|4.208.26.197|:443... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: https://github.com/Enioluwaige/Enioluwa-exam [following]
--2024-12-18 12:51:02-- https://github.com/Enioluwaige/Enioluwa-exam
Reusing existing connection to github.com:443.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [text/html]
Saving to: 'Enioluwa-exam.git'

Enioluwa-exam.git           [ <=> ] 213.43K  --.-KB/s  in 0.01s

2024-12-18 12:51:02 (19.7 MB/s) - 'Enioluwa-exam.git' saved [218552]
```

**i-0f0b664935506c05f (My-bio)**

PublicIPs: 54.75.219.249 PrivateIPs: 172.31.21.22

CloudShell Feedback

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3:02 PM

