

INTRODUCTION

Welcome to the comprehensive guide for deploying your **Travel Adventures website on Amazon Web Services (AWS) using a Windows operating system**. This documentation is your go-to resource for a smooth and efficient transition of your PHP application from a local development environment to a robust, production-ready state on the AWS cloud.

The Significance of Cloud Deployment

In today's dynamic digital landscape, the cloud has become an indispensable ally for developers and businesses seeking to harness the power of scalable and reliable infrastructure. Cloud platforms like AWS offer a myriad of services, enabling the deployment of applications with unparalleled flexibility, security, and performance.

Unleashing AWS Potential for PHP Applications

AWS provides a feature-rich environment that empowers developers to focus on crafting exceptional user experiences while the underlying infrastructure is seamlessly managed. For PHP applications, AWS offers a tailored ecosystem that not only simplifies deployment but also enhances the application's scalability and resilience.

Key Features to Leverage:

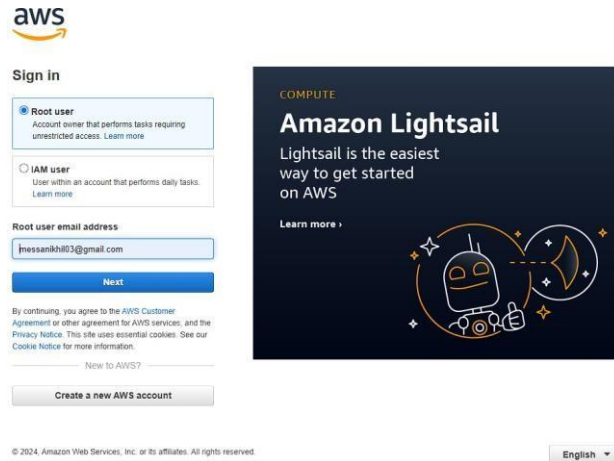
Amazon EC2 Instances: Virtual servers in the cloud, allowing you to run PHP applications with complete control over the server's configuration.

Internet Information Services (IIS): A powerful web server that, when coupled with PHP, forms a robust foundation for hosting dynamic websites.

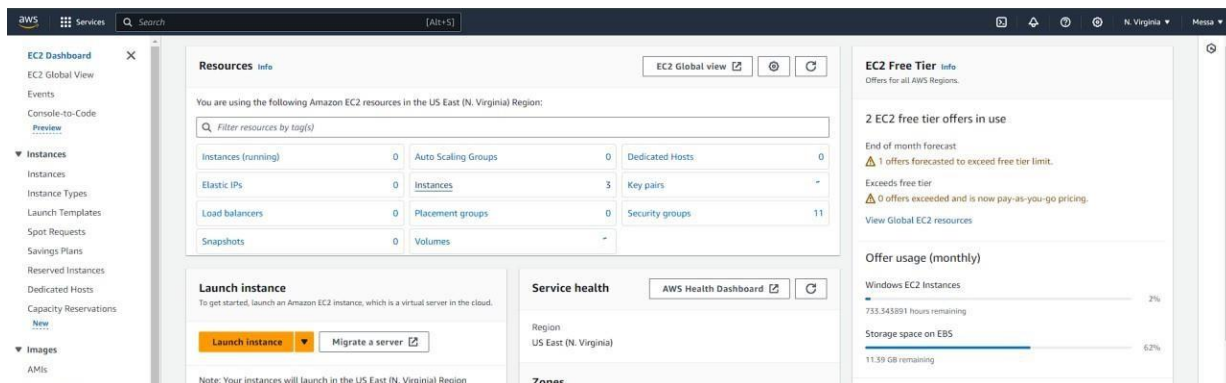
Amazon RDS: A managed relational database service that simplifies database setup, management, and scaling.

Steps

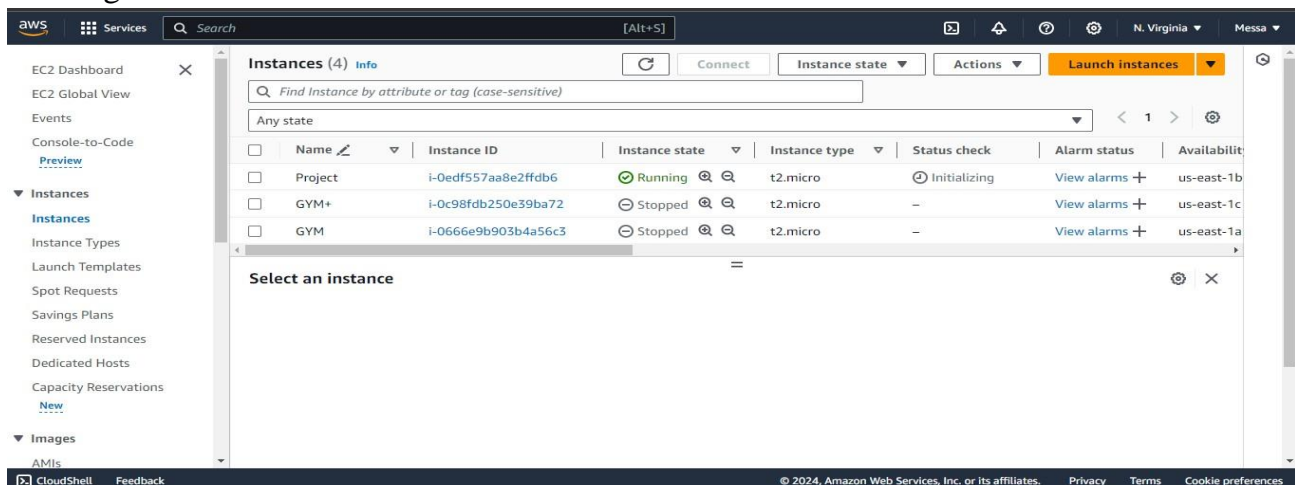
Step1: Create an account in AWS cloud and fill all the necessary information for the login and add debit card details for the further process.



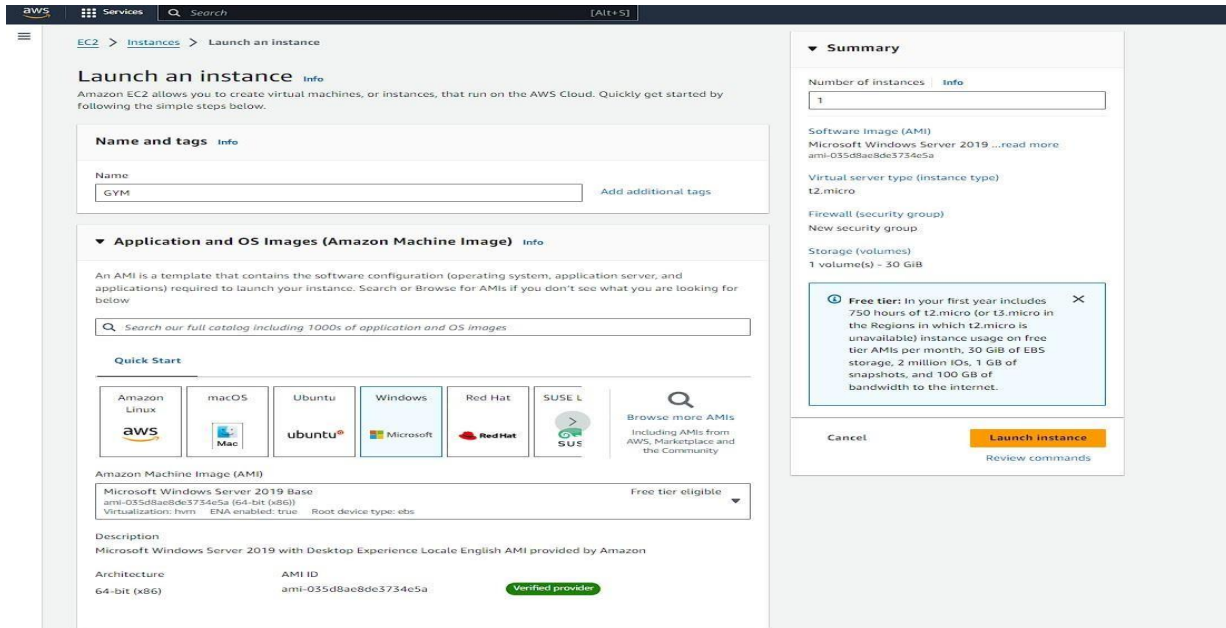
Step2: Go to services and search EC2 and then click on instance running>>launch instance.



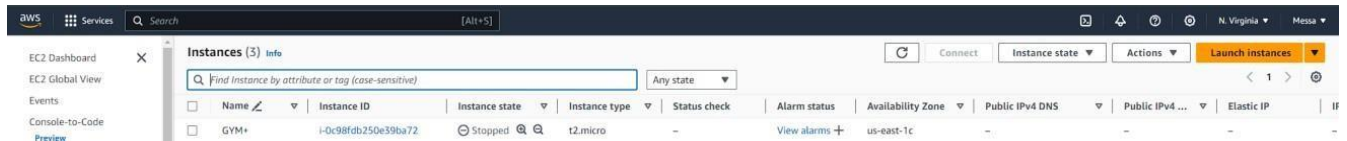
Step 3: Go to services and search EC2 and then click on instance running>>launchinstance.



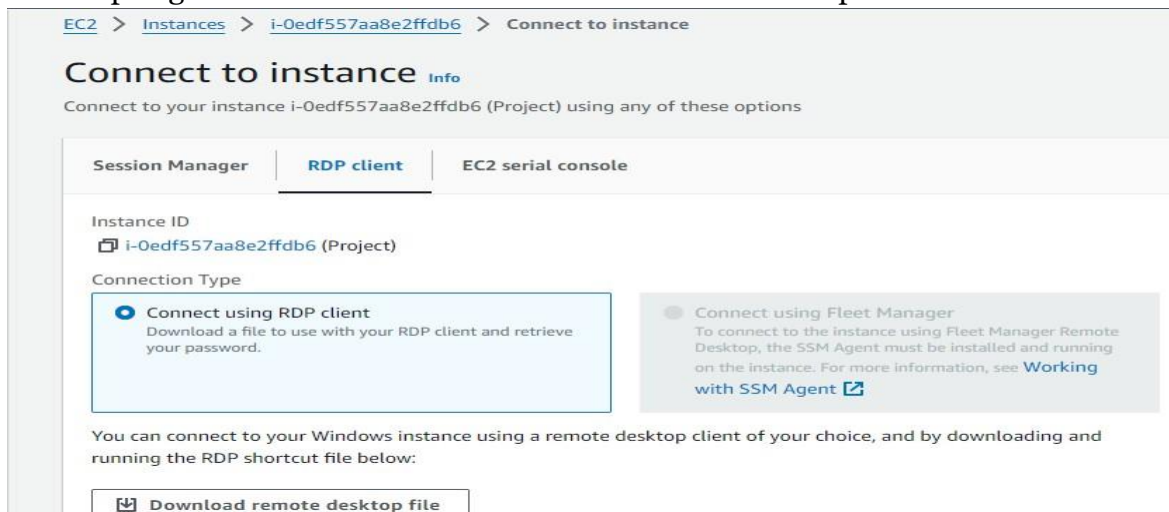
Step 4: Click on Launch Instances>> give name to an instance>> select Microsoft windows server base 2022 as an AMI and in network setting allow both http and http



Step 5: In downloads you will be able to see the file .pem and then simply launch the instance and then go to view all instances.



Step 6: You can see the project (Project) instance right click on that and connect it. One frame will open go to RDP client and download the remote desktop.



Step 7: Below that Go to get password.

When prompted, connect to your instance using the following details:

Public DNS ec2-3-80-115-29.compute-1.amazonaws.com	Username Administrator
Password dTUtDq)s6t6jUNpx%?3bO(dp96-NNcao	

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

Cancel

Step 8: Upload your .pem file (cloud1) and click on decrypt password.

EC2 > Instances > i-0c98fdb250e39ba72 > Get Windows password

Get Windows password Info

Use your private key to retrieve and decrypt the initial Windows administrator password for this instance.

Instance ID
i-0c98fdb250e39ba72 (GYM+)

Key pair associated with this instance:
GYM

Private key
Either upload your private key file or copy and paste its contents into the field below:

Private key contents - optional

Private key contents

Cancel

Step 9: You will get and password just copy that and in downloads open that window Remote desktop and give password to it for login.

You can connect to your Windows instance using a remote desktop client by downloading the RDP shortcut file below:

When prompted, connect to your instance using the following details:

Public DNS
ec2-3-80-115-29.compute-1.amazonaws.com

☒ Password copied

Password
dTUtDq)s6t6jUNpx%?3bO(dp96-NNcao

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

Cancel

Windows Security

Enter your credentials

These credentials will be used to connect to ec2-3-80-115-29.compute-1.amazonaws.com.

Administrator

.....

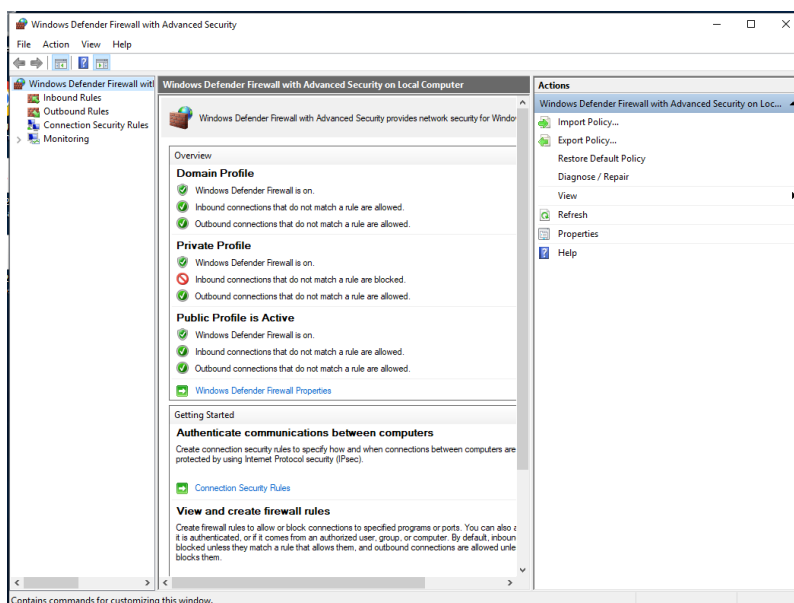
LAPTOP-C4AIFOC4\Administrator

☐ Remember me

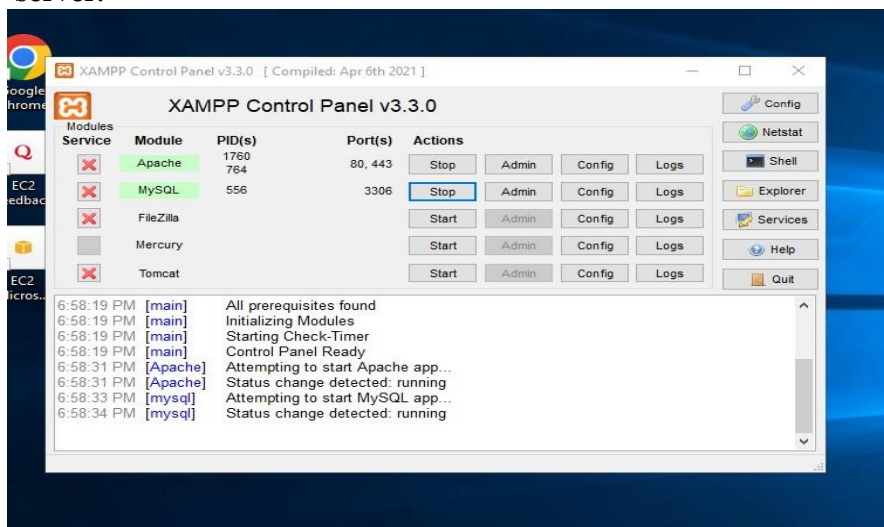
More choices

Hostname: EC2AMAZ-J7UQDCG
Instance ID: i-0edf557aa8e2ffdb6
Public IPv4 Address: 3.80.115.29
Private IPv4 Address: 172.31.24.67
Instance Size: t2.micro
Availability Zone: us-east-1b
Architecture: AMD64
Total Memory: 1024 MB
Network Performance: Low to Moderate

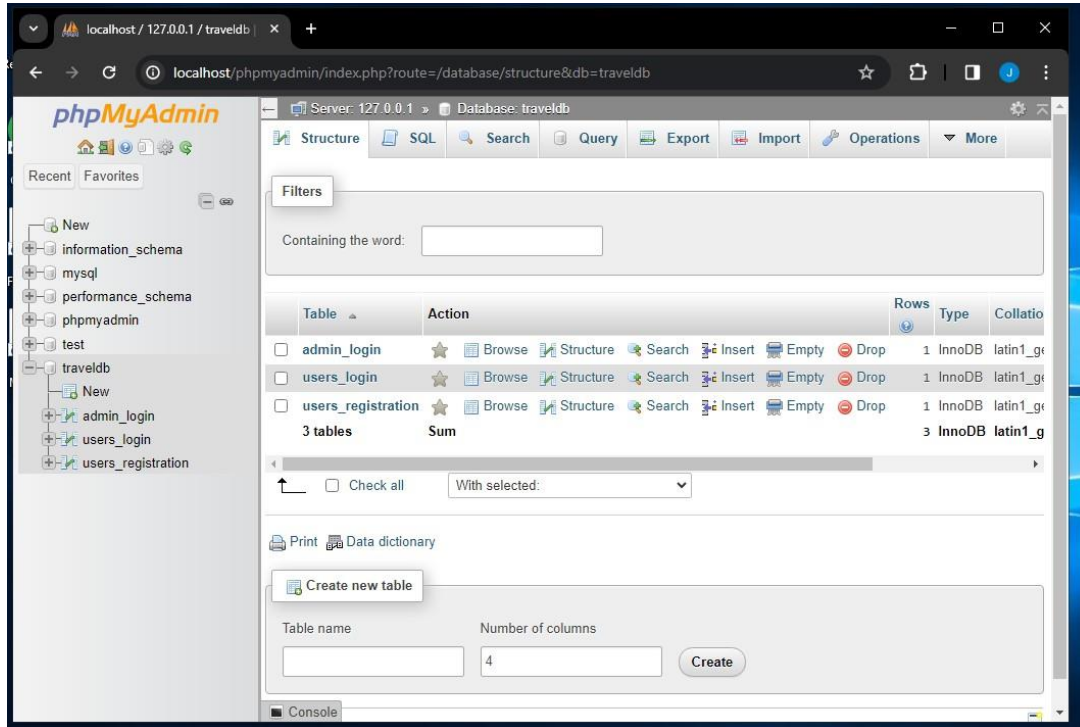
Step 10: Now your window is ready for the deployment of the project. Now go to windows security and off the firewall setting go we can redirect to that page



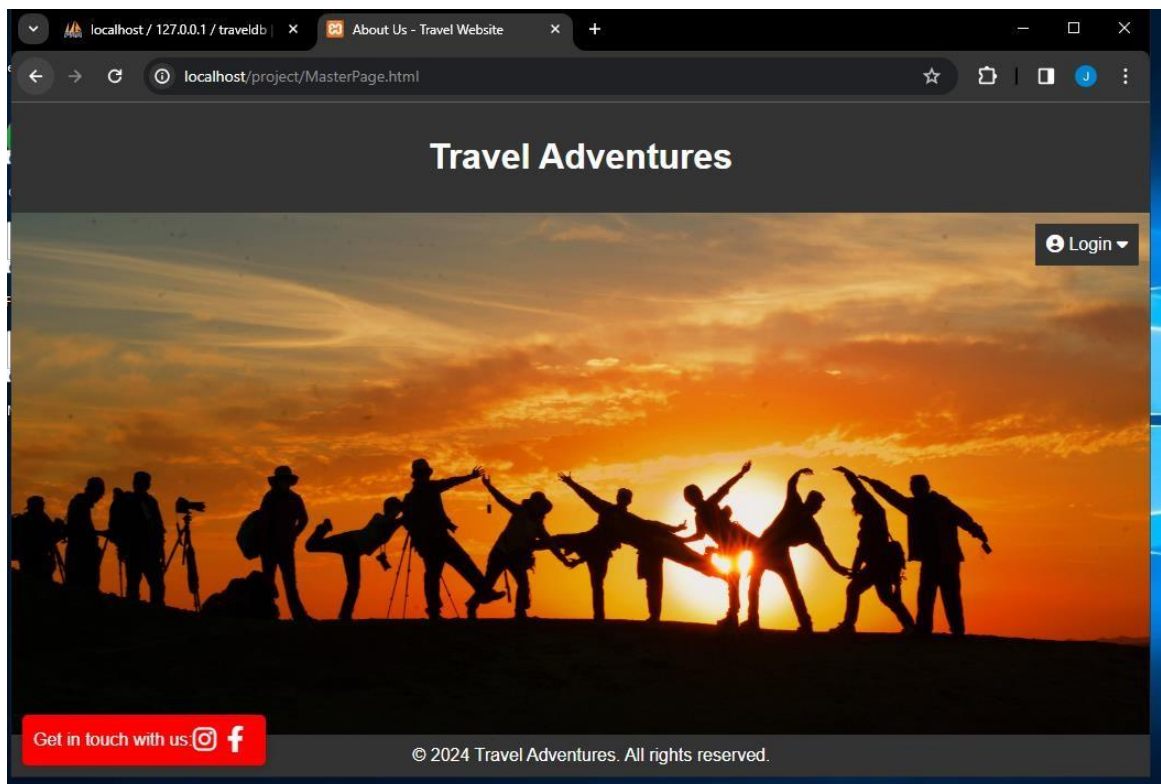
Step 11: Now copy your project and paste it in that window. And also download the xampp server.



Step 12: Start Apache and MySQL and go to admin as shown above. And create a database(traveldb) and import the SQL file in it to get tables.



Step 13: Now simply go to internet and search **localhost/Project/MasterPage.html** Which my file name given in the htdocs. Now you can add details and it will reflect into your database also.



localhost/project/register.html

Travel Adventures

Home

About Us

Services

Gallery

Registration

Login

Contact +91 7559400009

Create an Account

Username:

sourabh.s.jha



Password:

Name:

sourabh

Age:

20

Get in touch with us:  

© 2024 Travel Adventures. All rights reserved.

localhost/project/login.html

Travel Adventures

Home

About Us

Services

Gallery

Registration

Login

Contact +91 7559400009

Login

Username:

sourabh.s.jha

Password:

Login

Forgot password or create a new account?

localhost/project/users.php

MainPage

Users Management

Dashboard

Users

Feedback

Settings

Logout

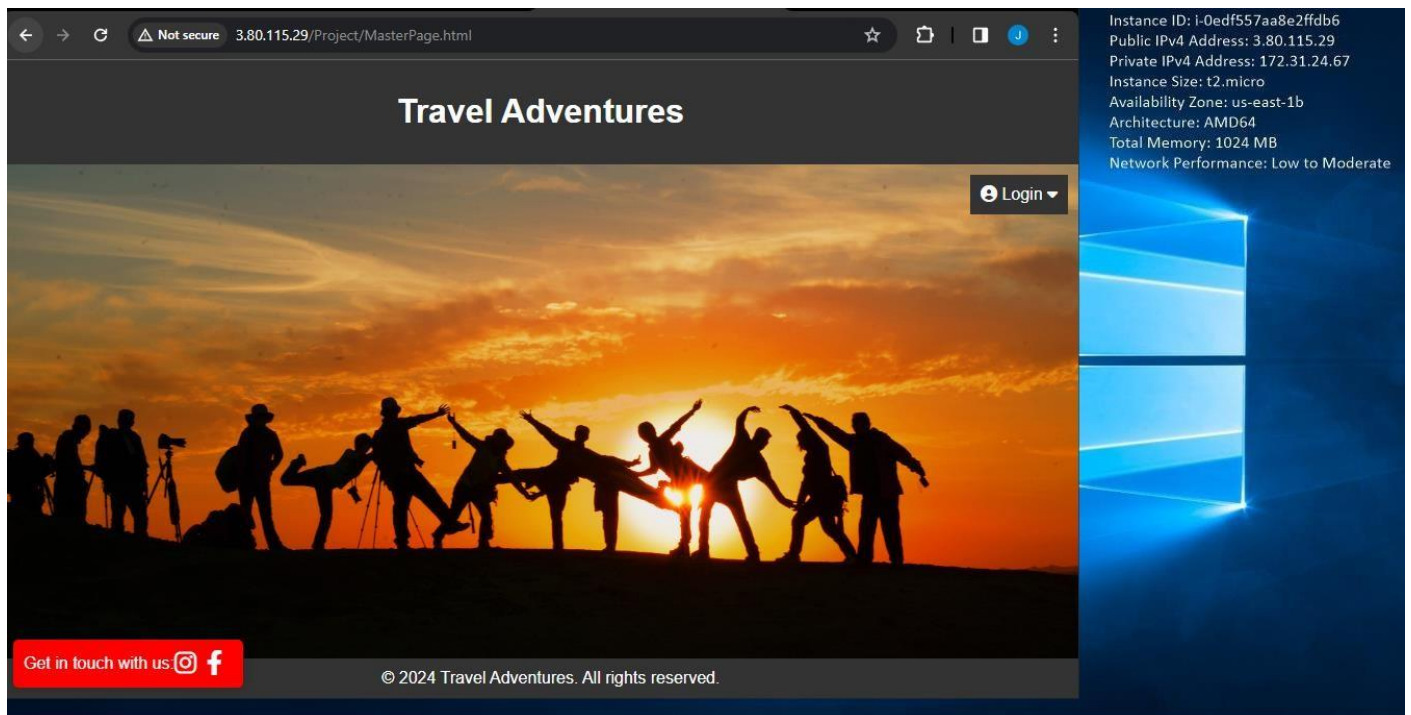
Users Information

Username	Password	Name	Age	Gender	City	Contact	Email ID	Action
yug	yug	yug	4	male	khopoli	2147483647	sourabh@gmail.com	<div>DeleteEdit</div>
sourabh.s.	sourabh	sourabh	20	male	khopoli	2147483647	sourabhsjha1980@gmail.com	<div>DeleteEdit</div>

Add User

© 2024 Travel Adventures. All rights reserved.

Step 14: Now go to new tab and search IP address/your project
(<http://3.80.115.29/Project/MasterPage.html>)This will redirect your project to the http server.



Conclusion:

In conclusion, the deployment of your **Travel Adventures website on Amazon Web Services (AWS)** using a Windows operating system marks a significant step towards enhancing the performance, scalability, and reliability of your web application. By leveraging the robust features provided by AWS, you've created an infrastructure that can adapt to changing demands, ensuring a seamless experience for users.

*****THANK YOU*****