جامعة اليمامة
Al Yamamah University

Assignment 1

AWS Basics and EC2 Instance

Cloud Computing (CIS443)

Prepared By

Yazeed AlKhalaf

202211123

Submitted To

Prof. Mohammad Mehedi Hassan

February 19, 2025

Contents

List of Figures

1 Part A: Creating an AWS account and Setup Zero Spend Budget plan

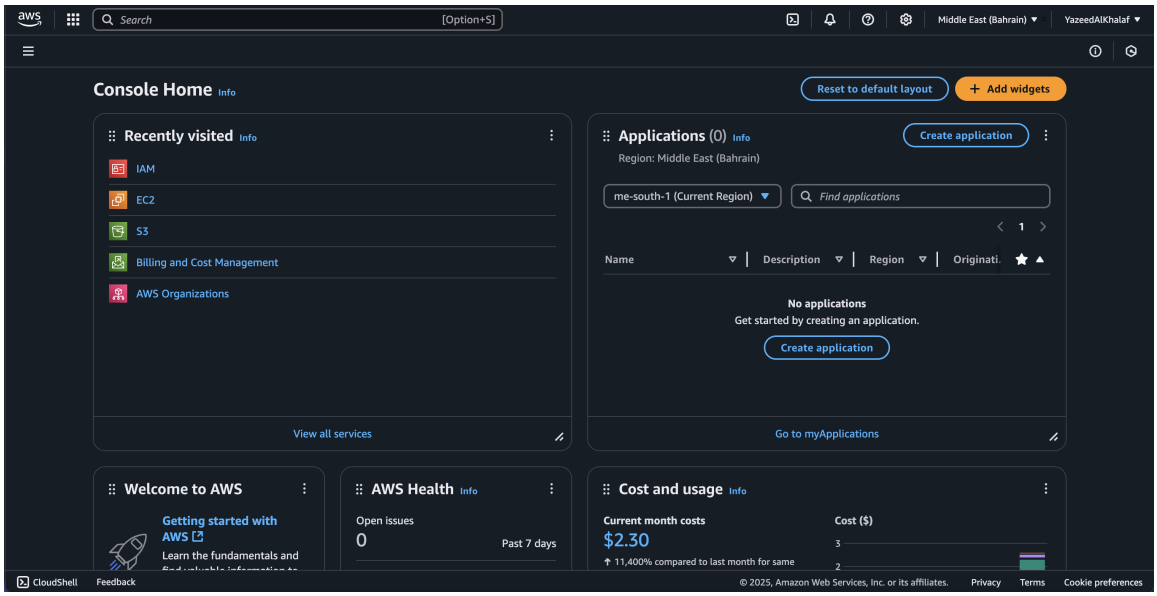

Figure 1: AWS Account Creation

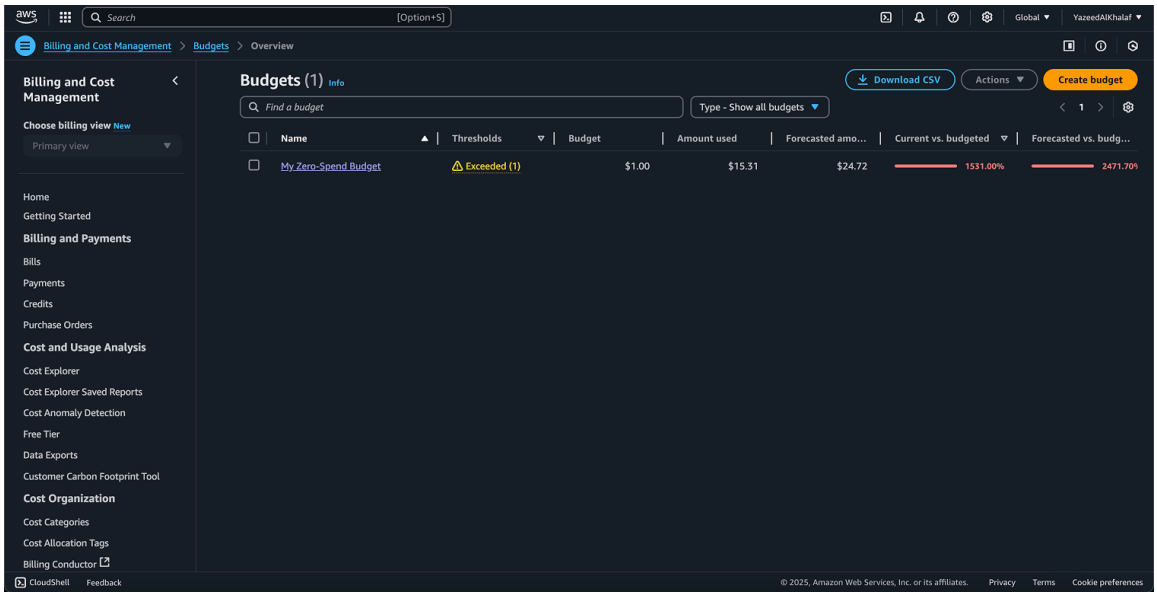

Figure 2: AWS Zero Spend Budget Configuration

2 Part B: Secure Your AWS Account

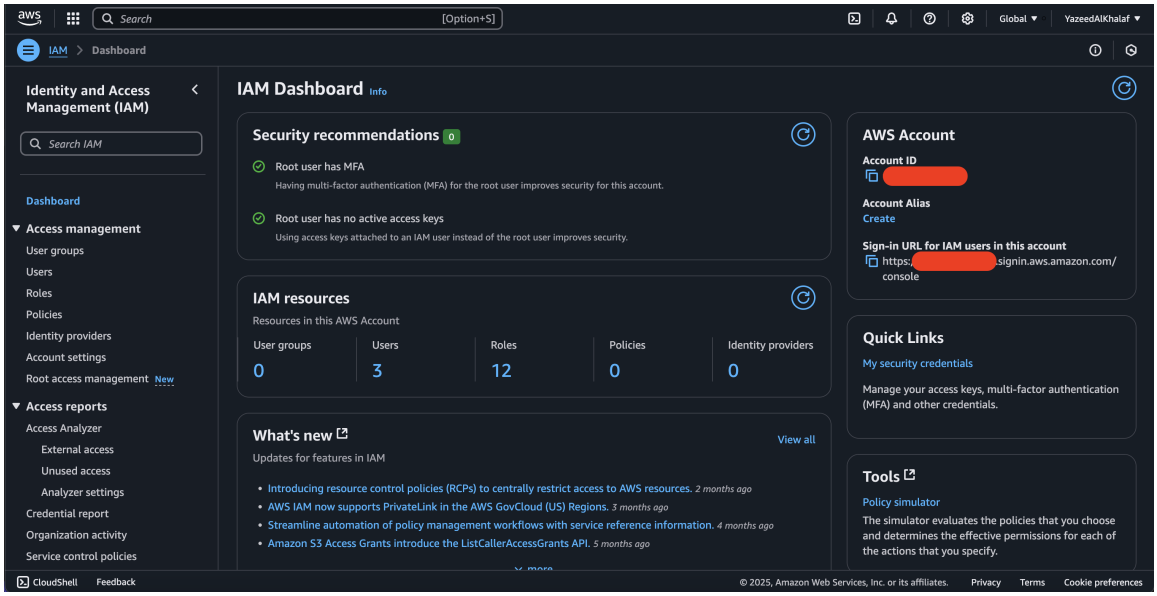

Figure 3: AWS Account Security Configuration

3 Part C: Create IAM Account

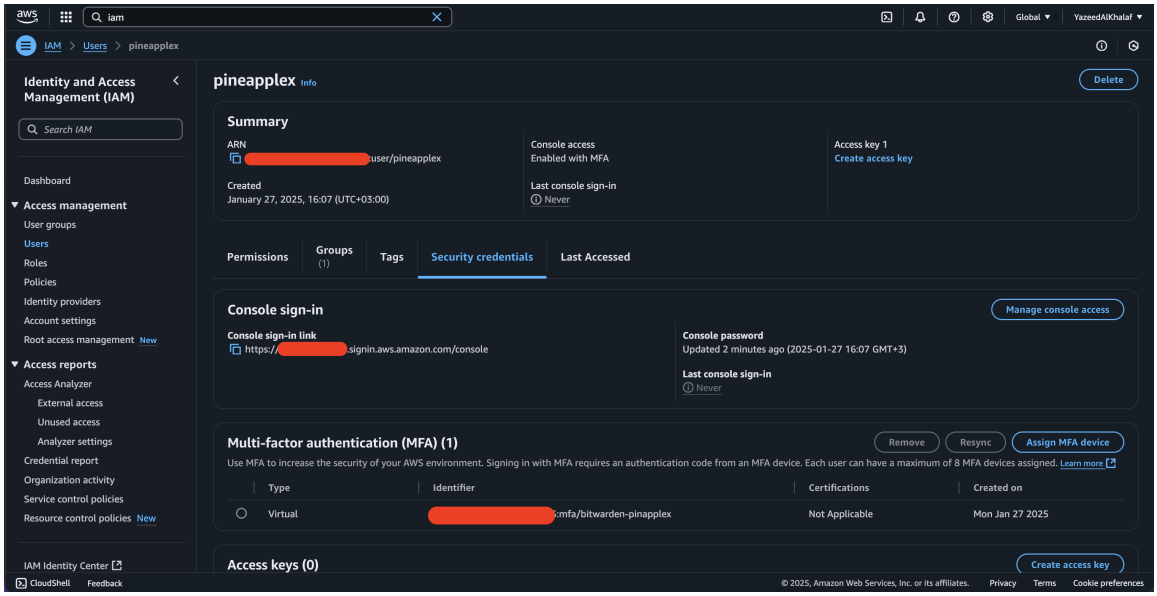

Figure 4: IAM Account Creation and Setup

4 Part D: Create EC2 Instance and Security Groups

4.1 Launch EC2 Instance

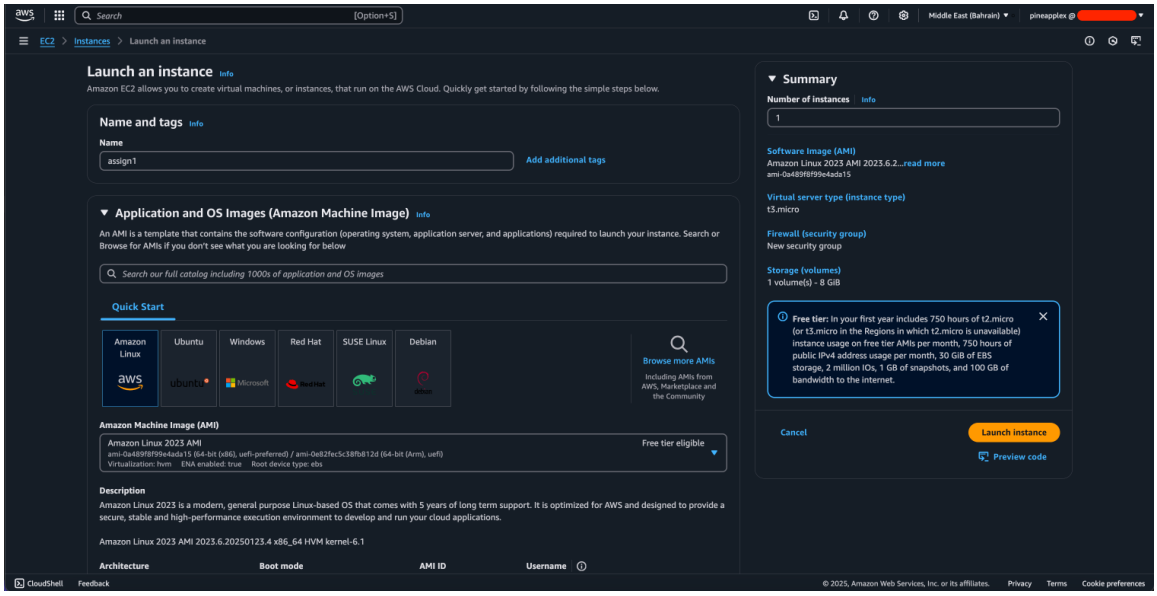

Figure 5: EC2 Instance Launch Configuration - Instance Type Selection

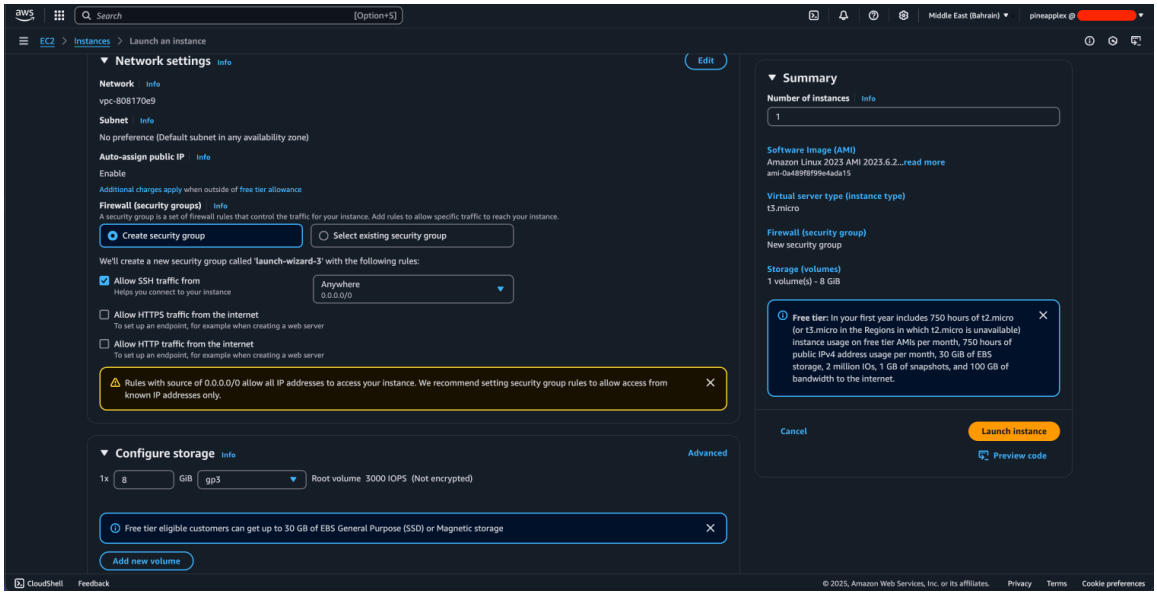

Figure 6: EC2 Instance Launch Configuration - Network Settings

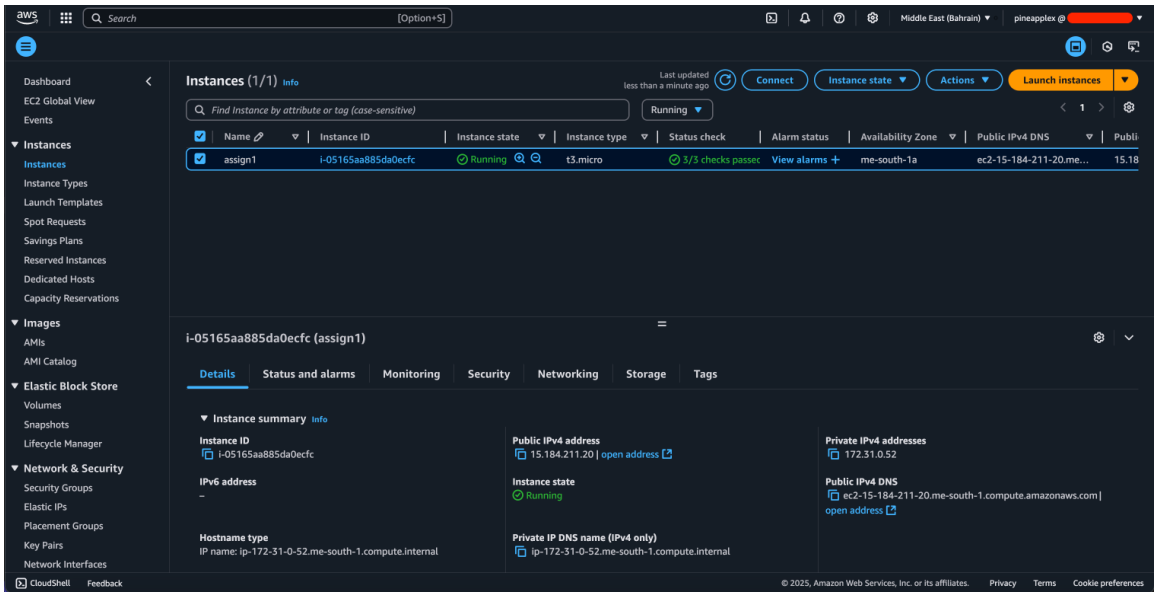

Figure 7: EC2 Instance Launch Configuration - Successfully Launched

4.2 Create Security Groups

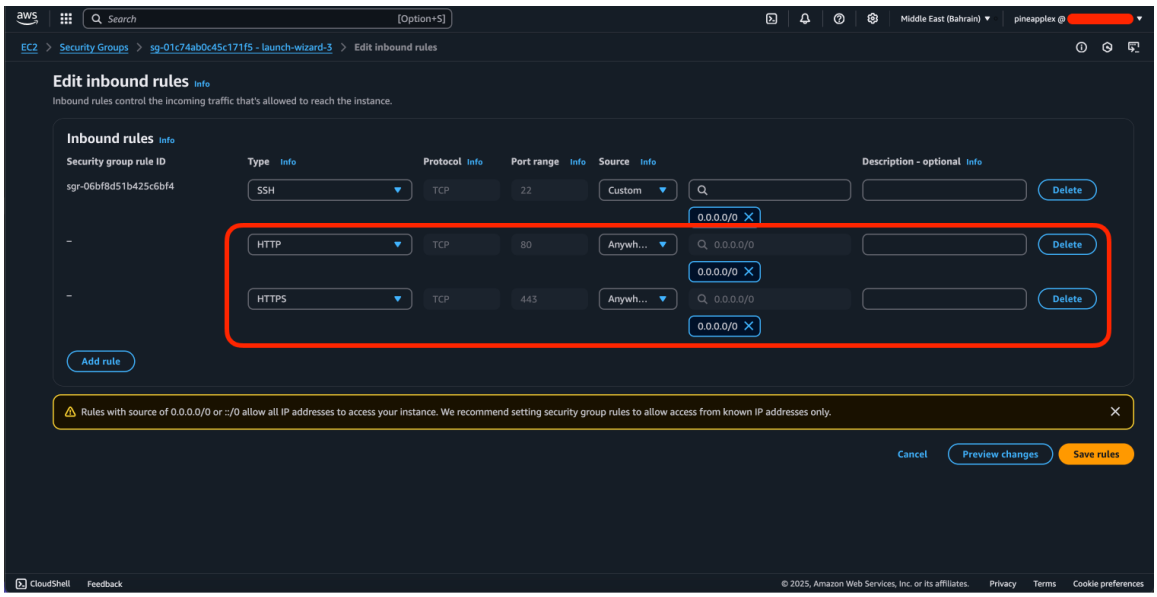

Figure 8: Security Group Configuration - Inbound Rules Addition

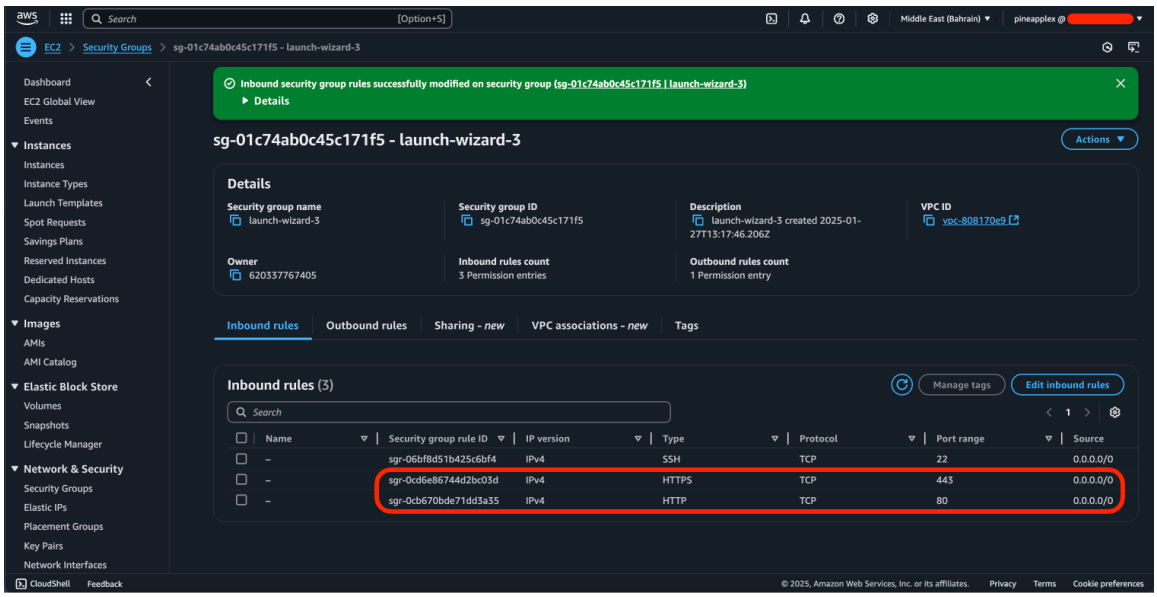

Figure 9: Security Group Configuration - Outbound Rules Verification

4.3 Configure Elastic IP

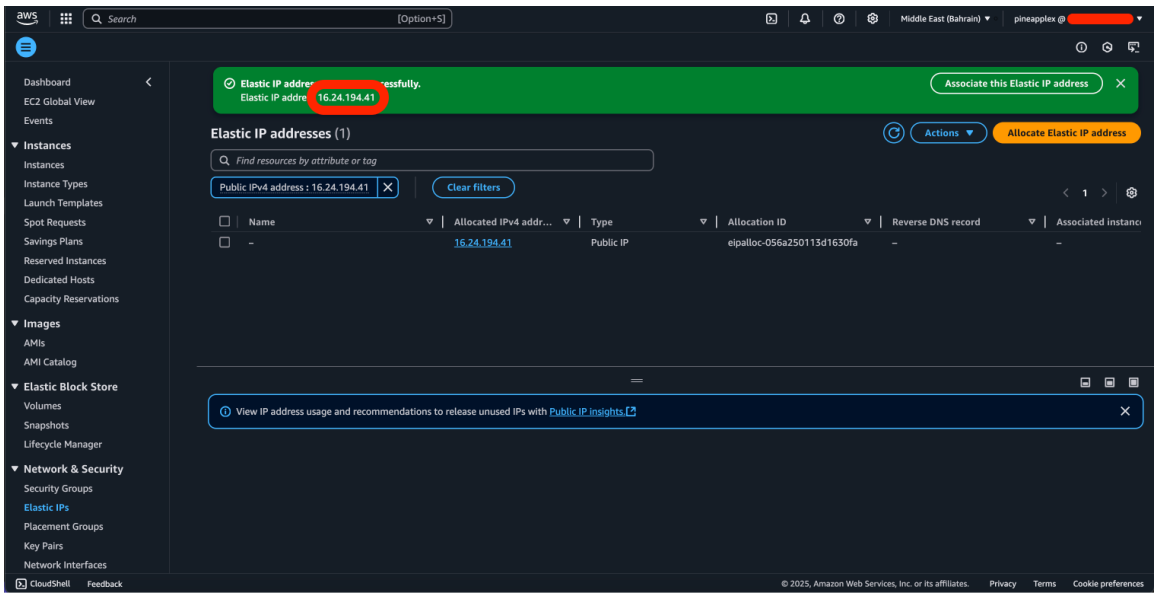

Figure 10: Elastic IP Configuration - Allocation

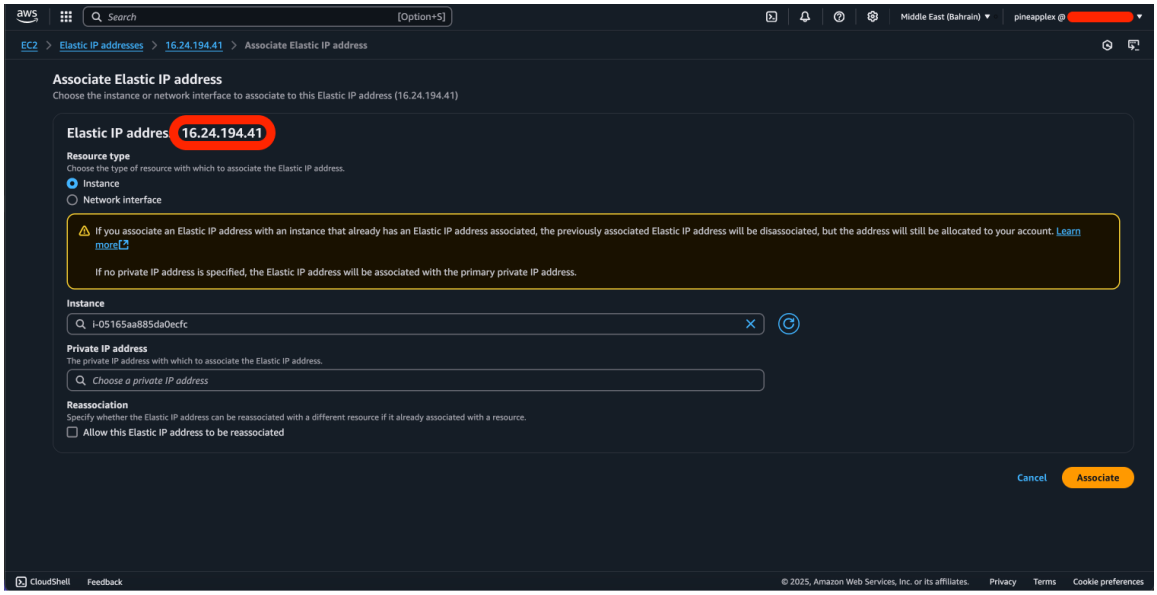

Figure 11: Elastic IP Configuration - Association

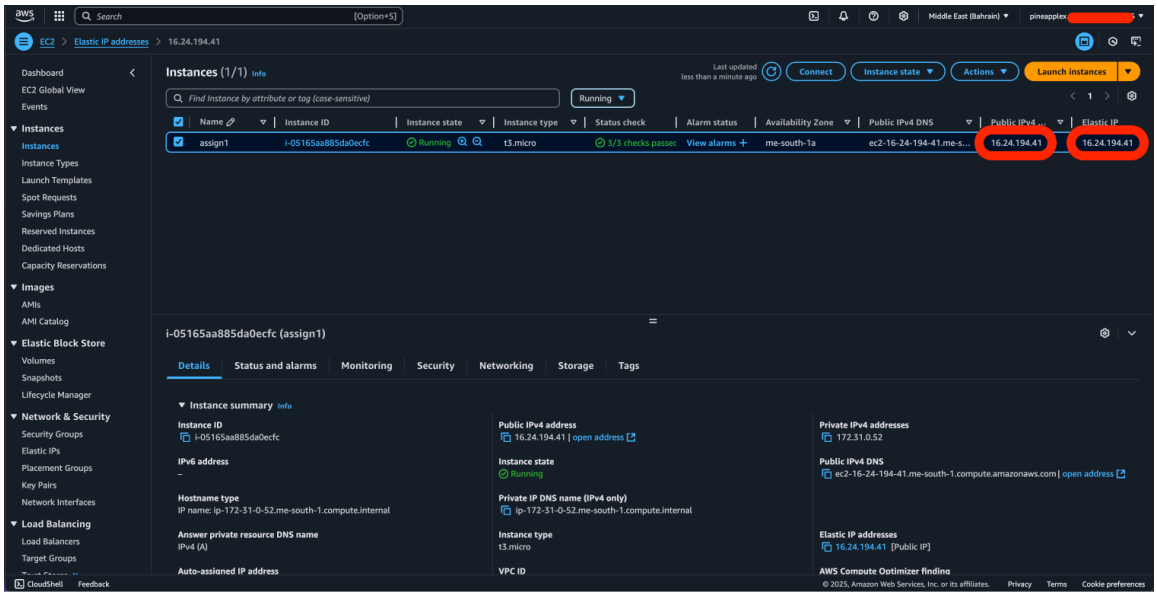

Figure 12: Elastic IP Configuration - Verification

5 Part E: Install a LAMP web server on Amazon Linux 2023

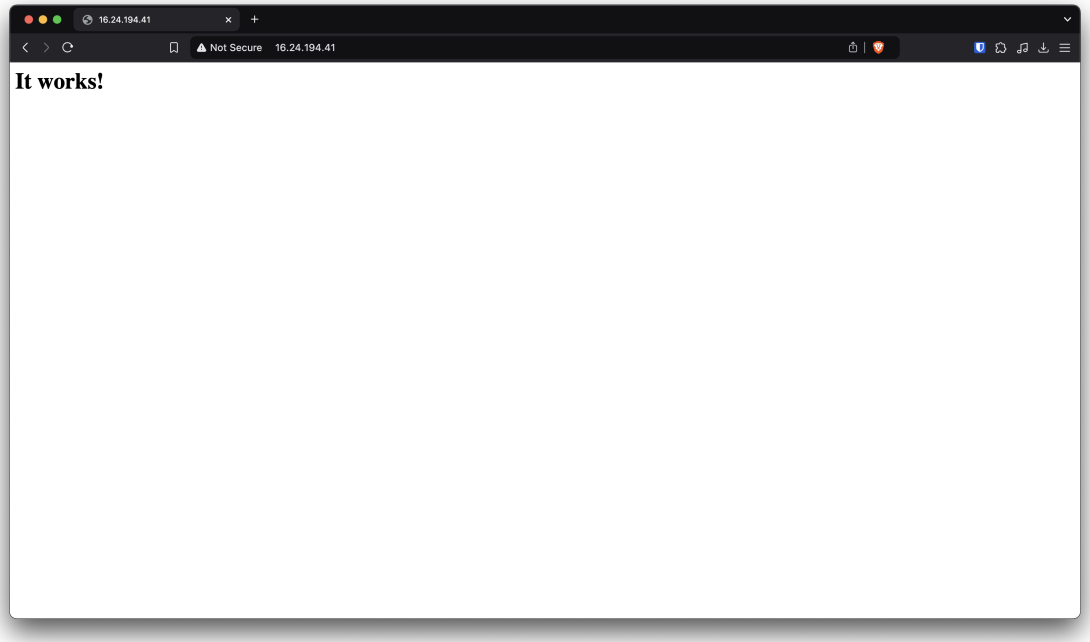

Figure 13: LAMP Web Server - Successfully Installed

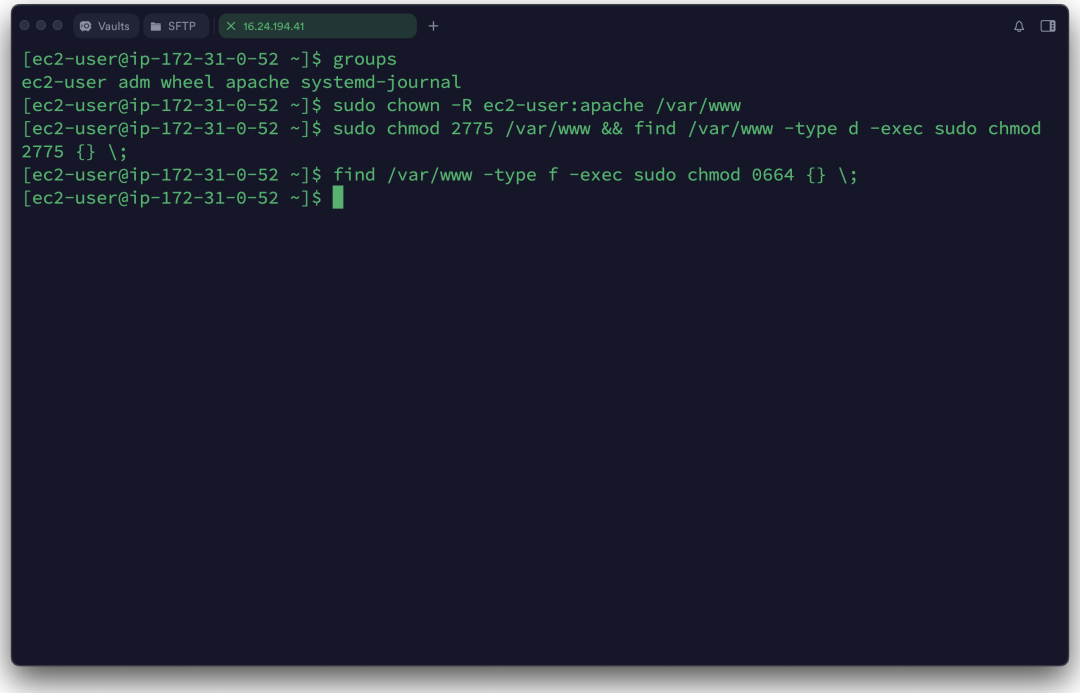

Figure 14: LAMP Web Server - Adding ec2-user to apache group with other security practices

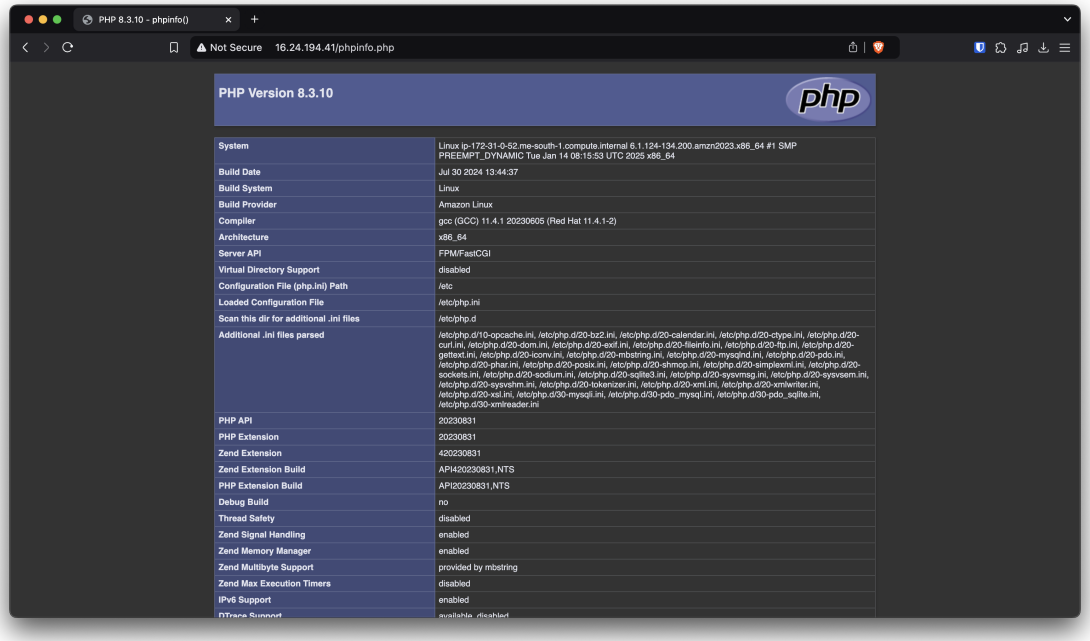

Figure 15: LAMP Web Server - PHP Info Page

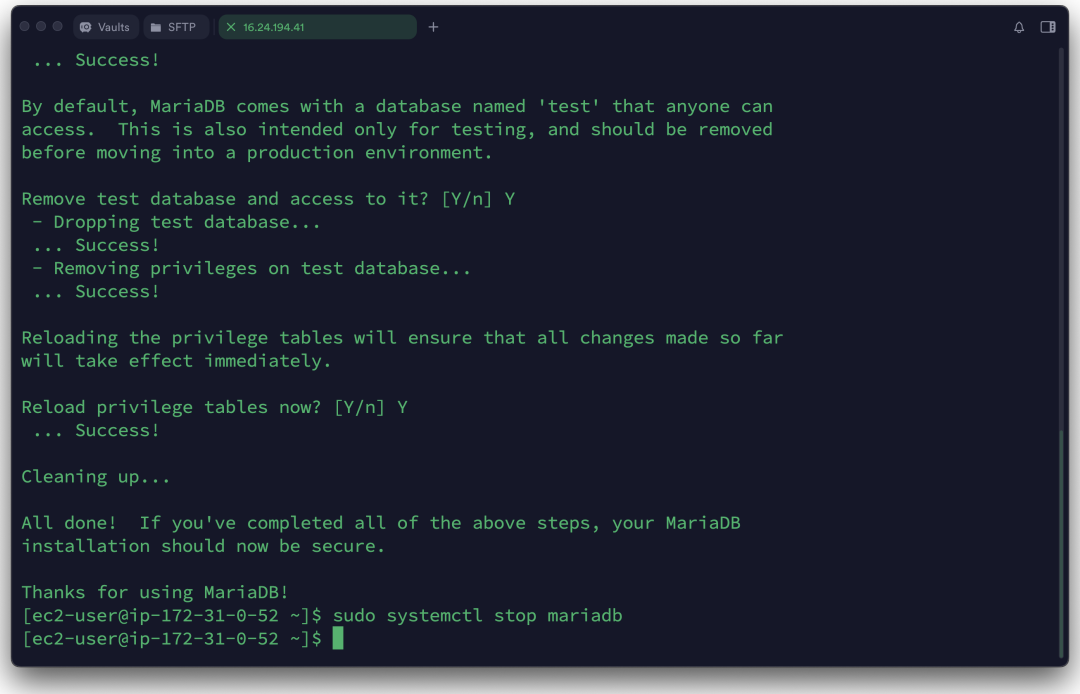

Figure 16: LAMP Web Server - MariaDB Secure Setup

6 Part F: Connect to EC2 Linux Instance using Termius on Mac or Windows

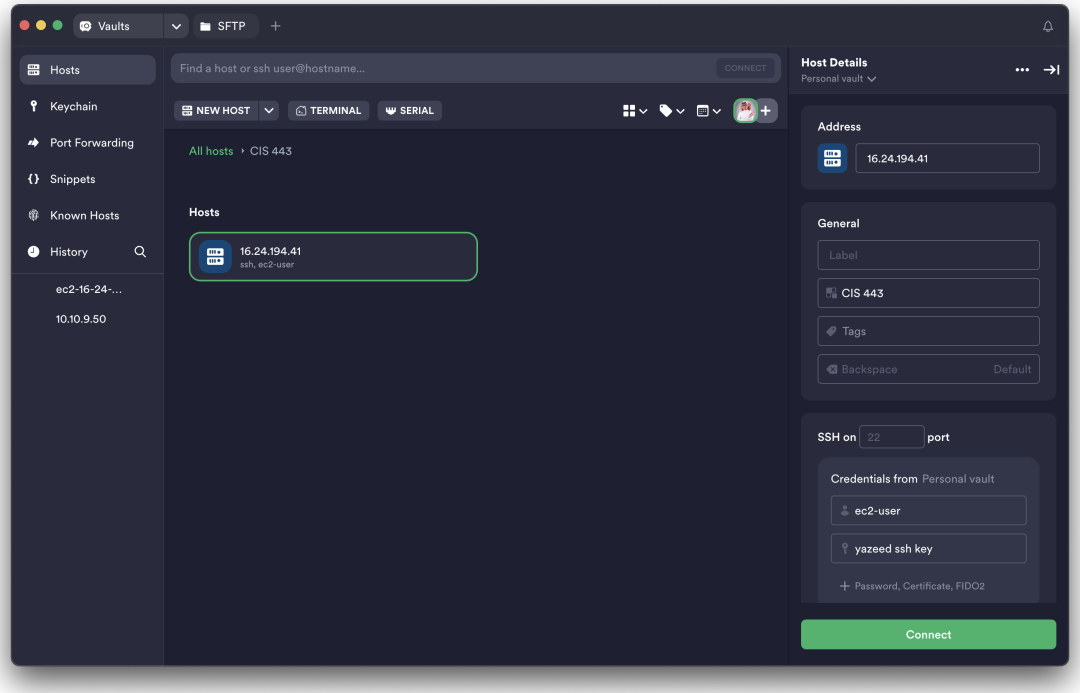

Figure 17: Termius SSH Connection Configuration

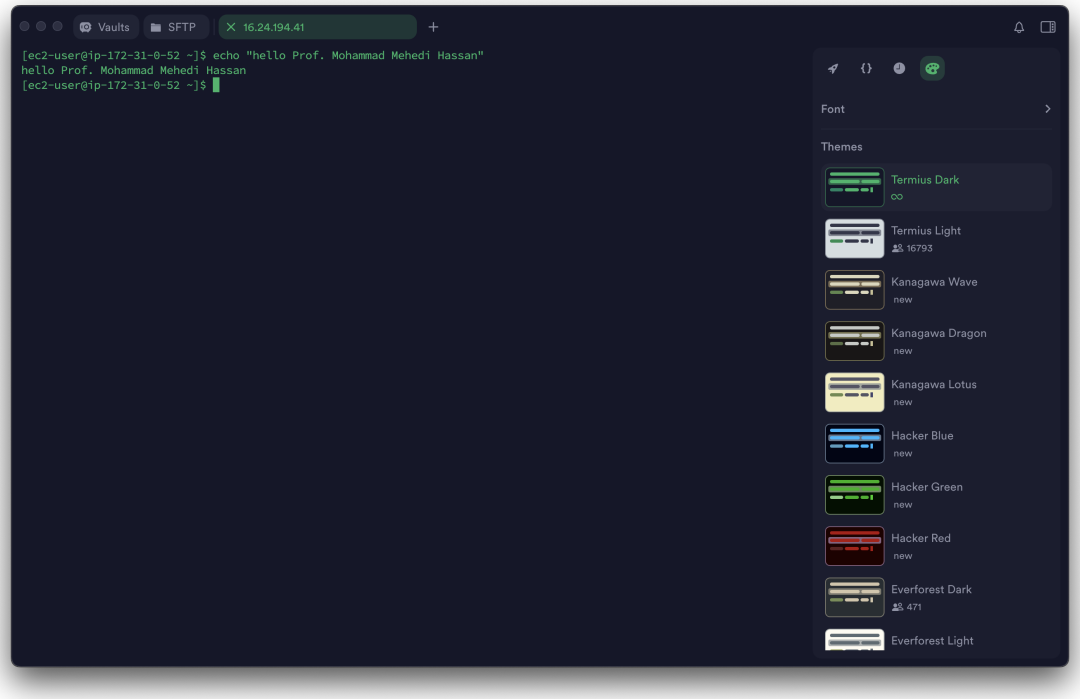

Figure 18: Termius SSH Connected - Saying Hello to Professor