جامعة اليمامة
Al Yamamah University

Assignment 1

AWS Basics and EC2 Instance

Cloud Infrastructure Services (CIS443)

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Submitted To

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

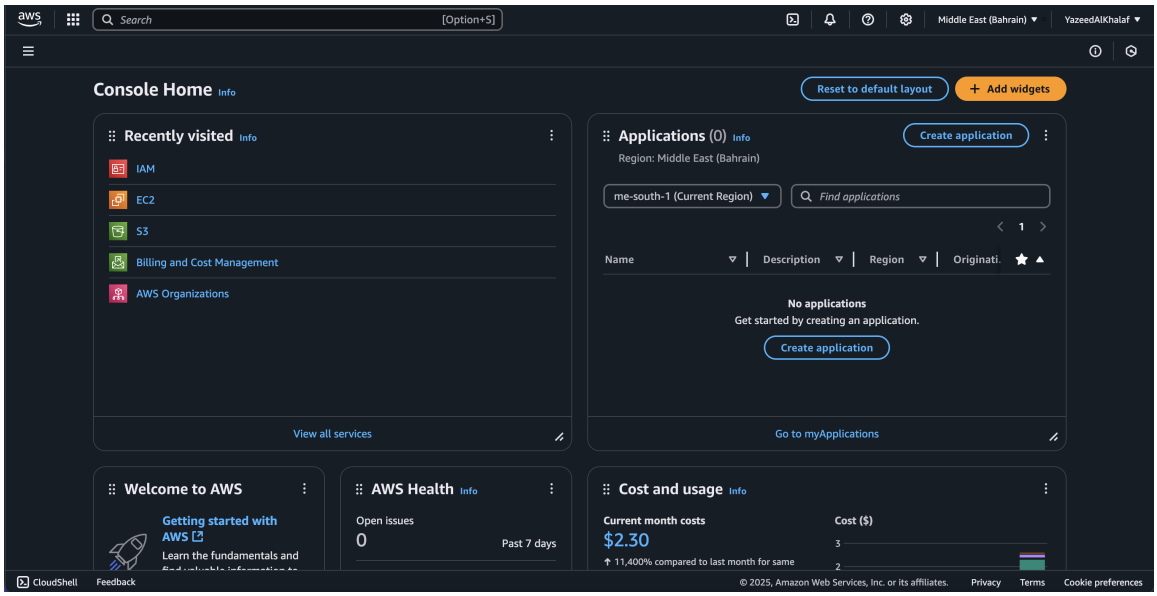

Figure 1: AWS Account Creation and Zero Spend Budget Configuration

2 Part B: Secure Your AWS Account

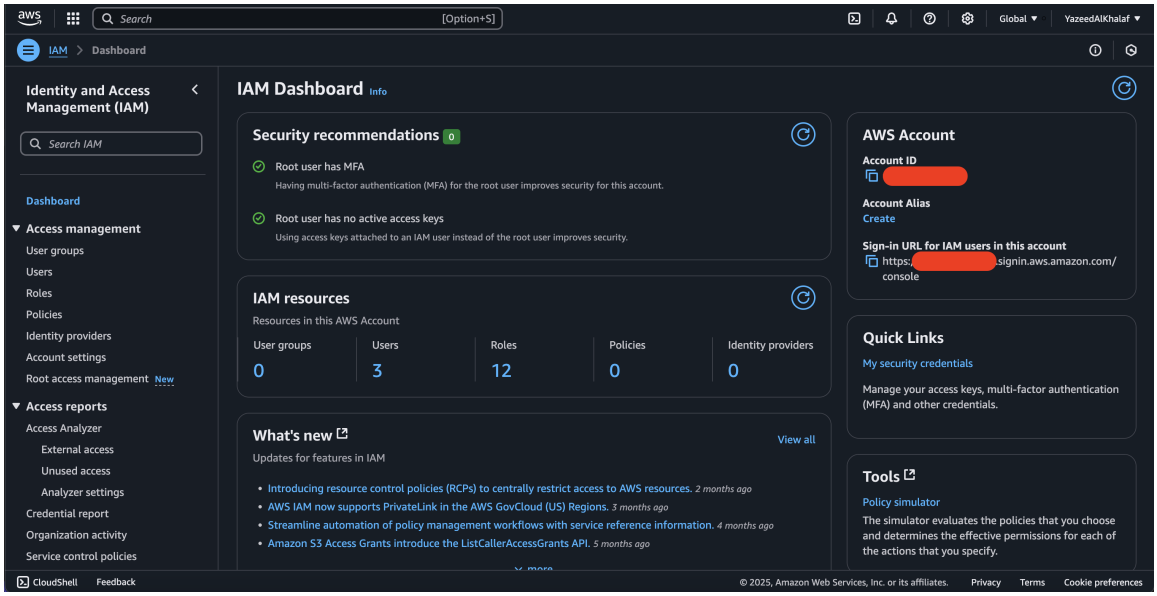

Figure 2: AWS Account Security Configuration

3 Part C: Create IAM Account

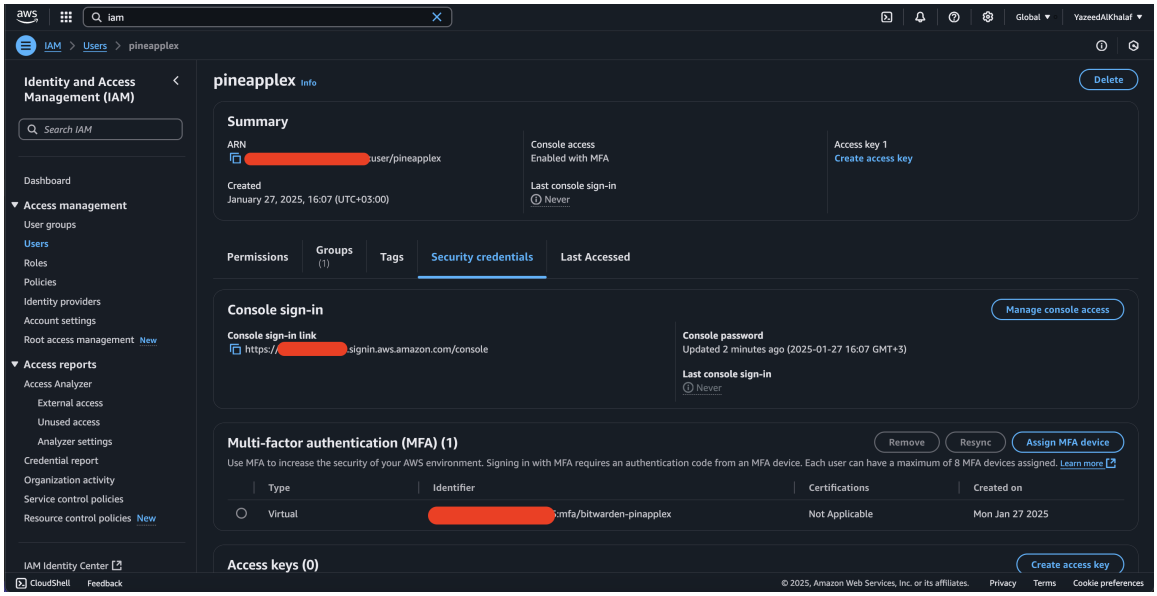

Figure 3: IAM Account Creation and Setup

4 Part D: Create EC2 Instance and Security Groups

4.1 Launch EC2 Instance

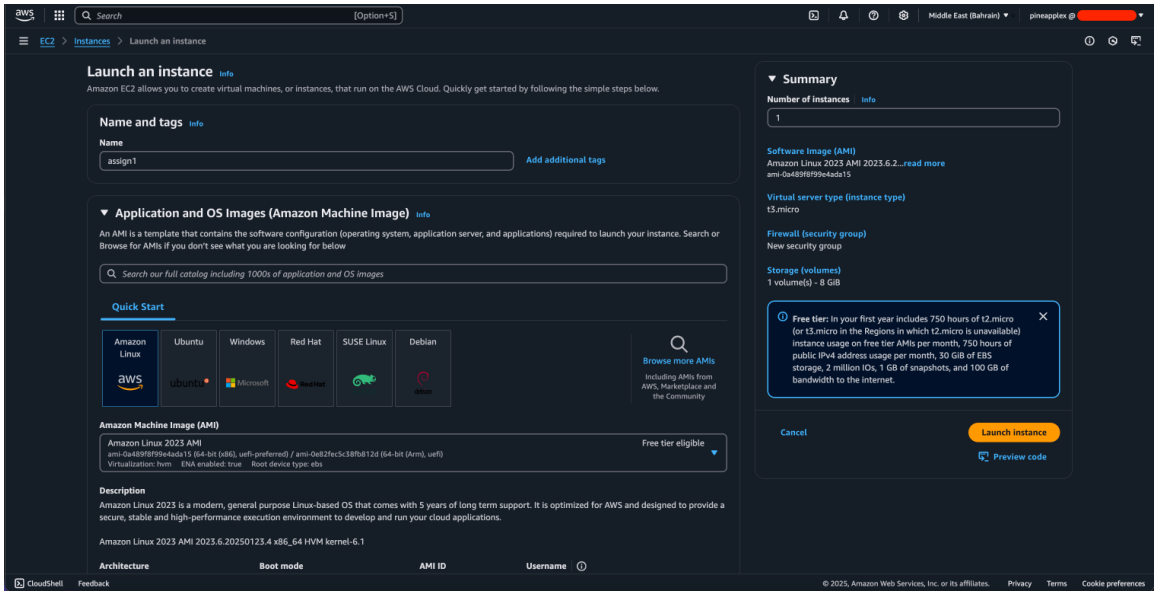

Figure 4: EC2 Instance Launch Configuration - Instance Type Selection

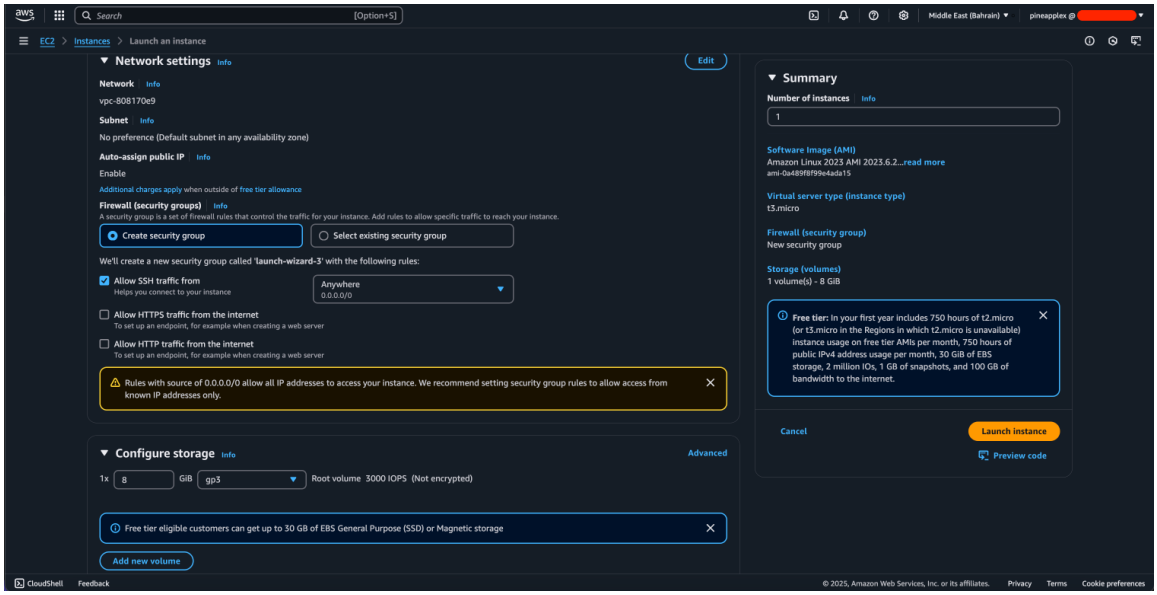

Figure 5: EC2 Instance Launch Configuration - Network Settings

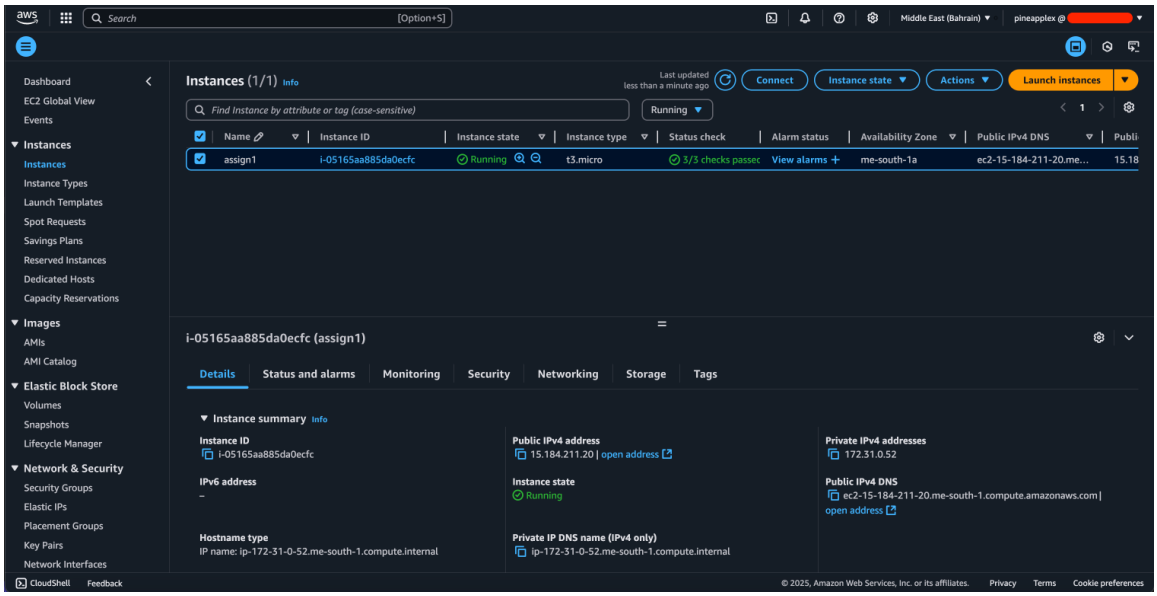

Figure 6: EC2 Instance Launch Configuration - Successfully Launched

4.2 Create Security Groups

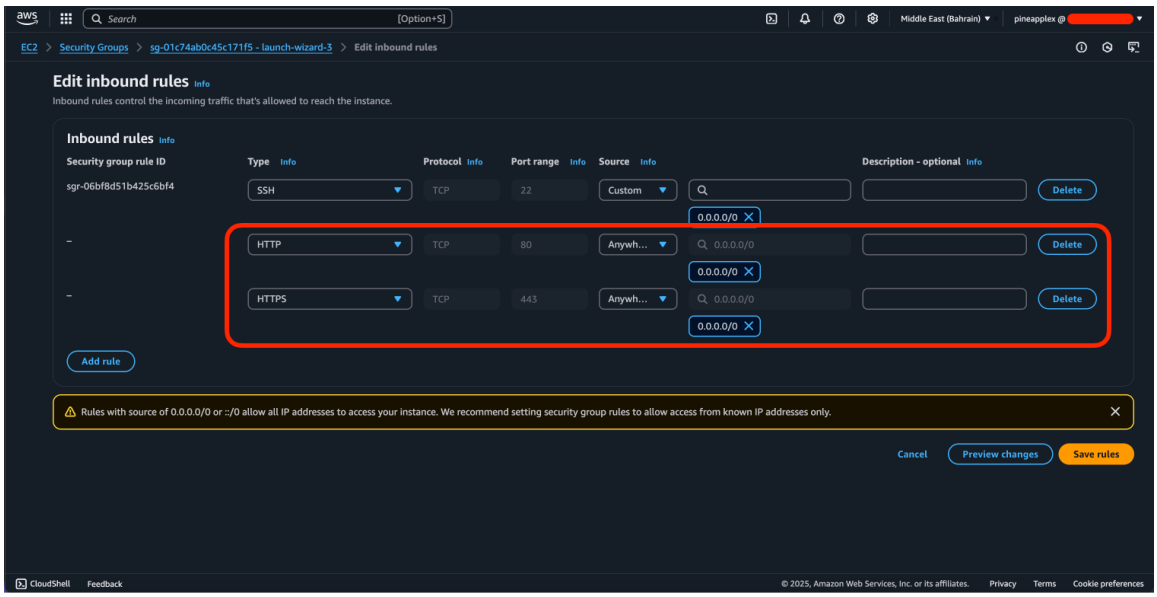

Figure 7: Security Group Configuration - Inbound Rules Addition

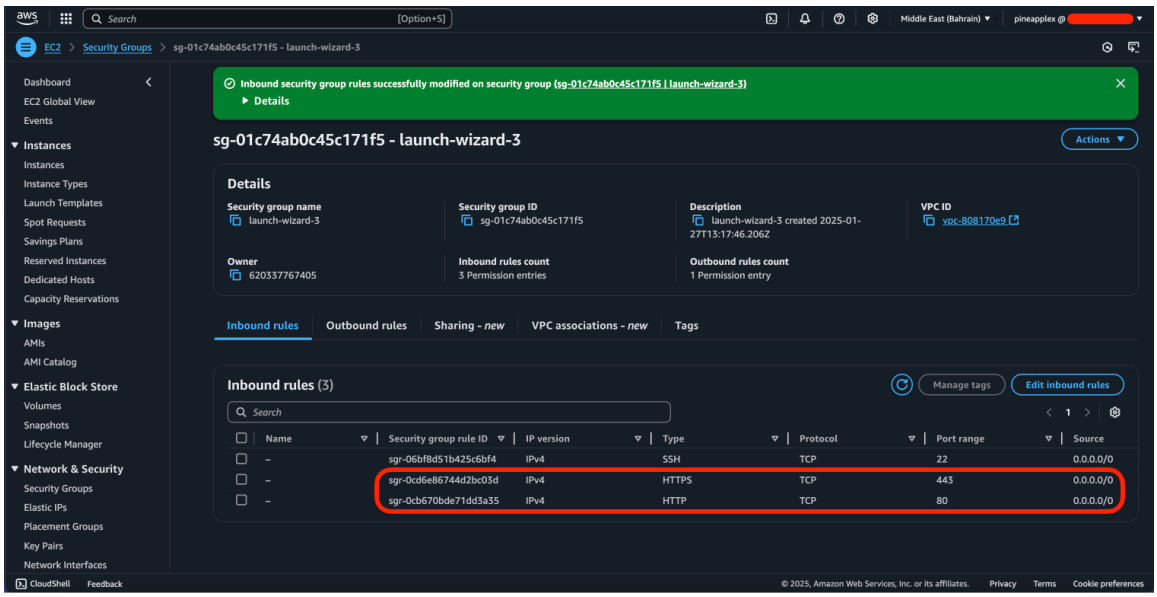

Figure 8: Security Group Configuration - Outbound Rules Verification

4.3 Configure Elastic IP

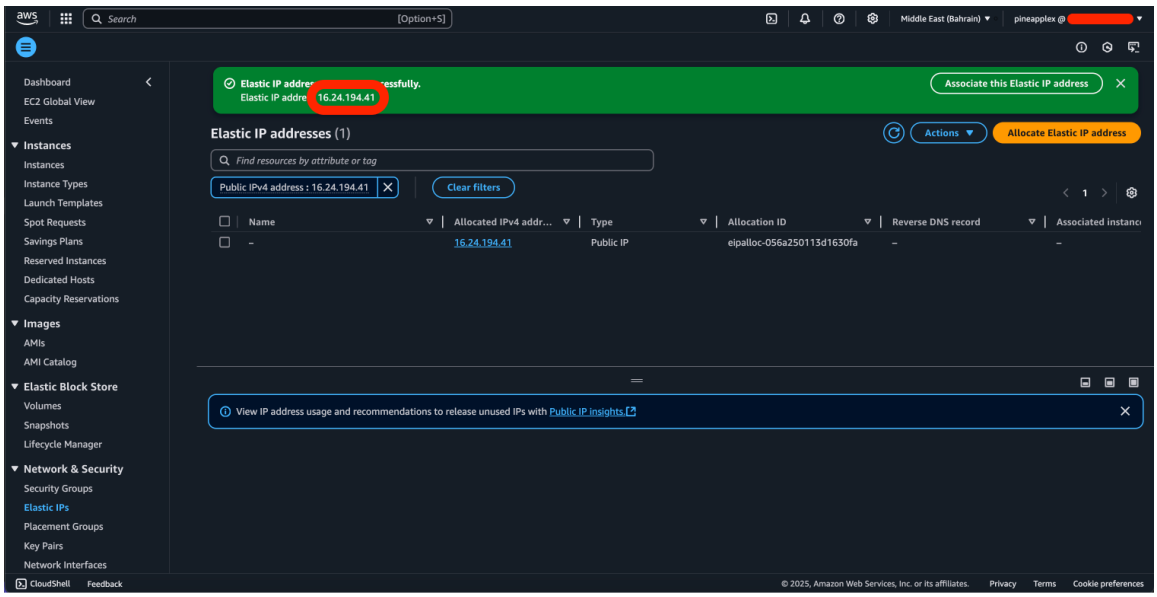

Figure 9: Elastic IP Configuration - Allocation

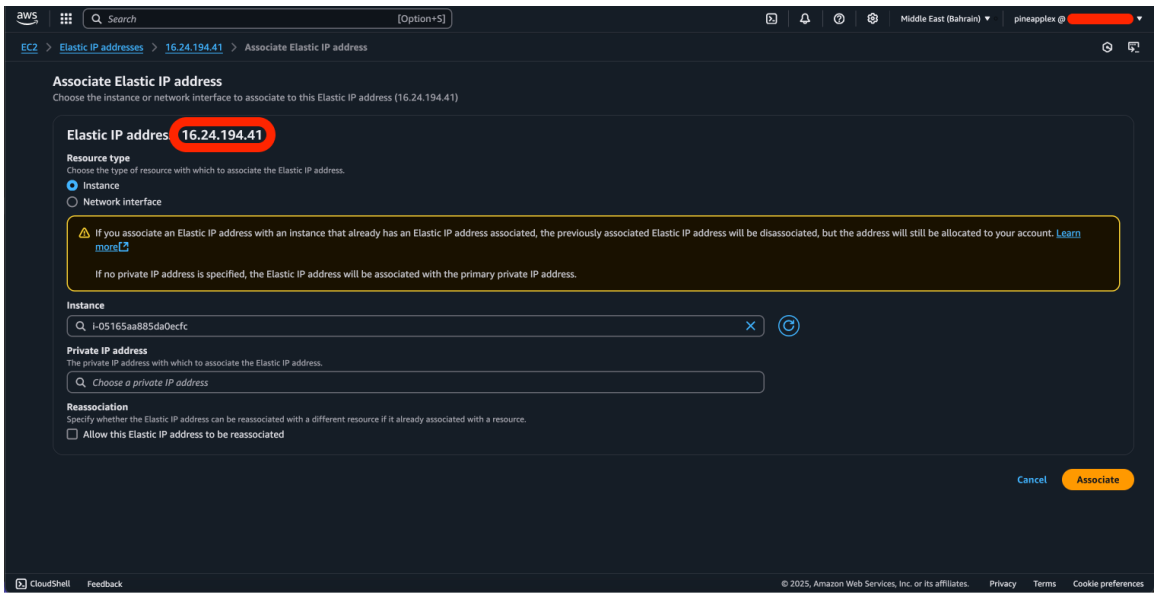

Figure 10: Elastic IP Configuration - Association

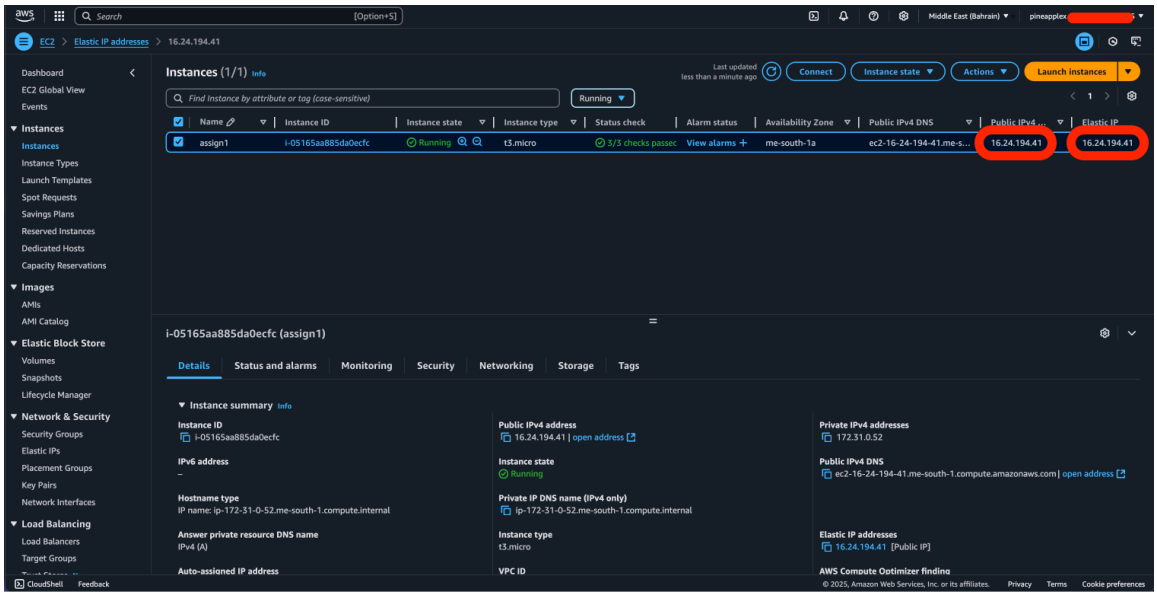

Figure 11: Elastic IP Configuration - Verification

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

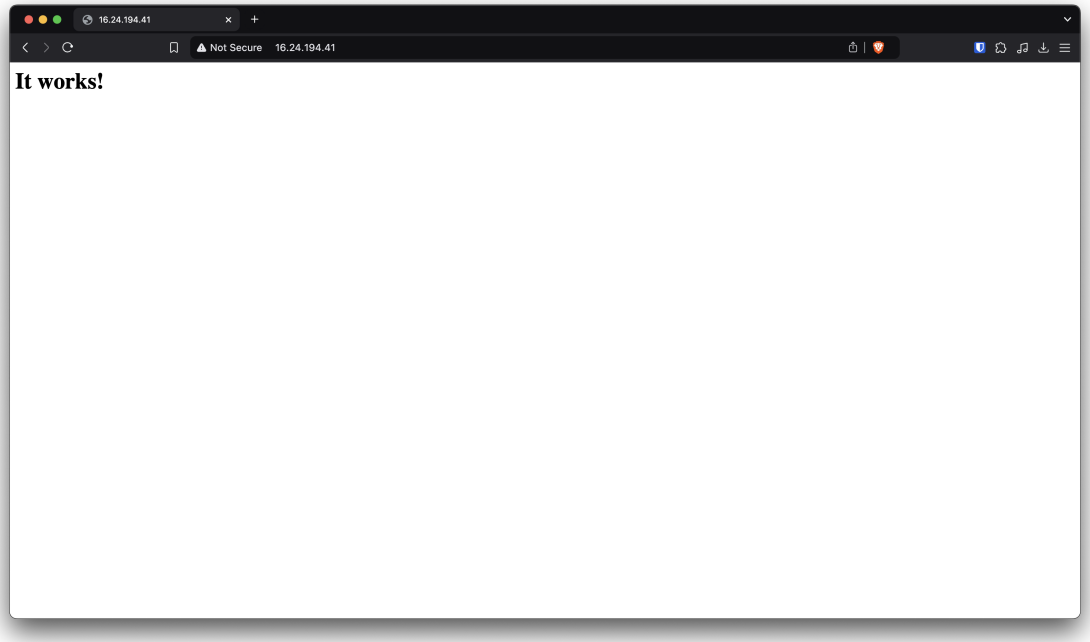

Figure 12: LAMP Web Server - Successfully Installed

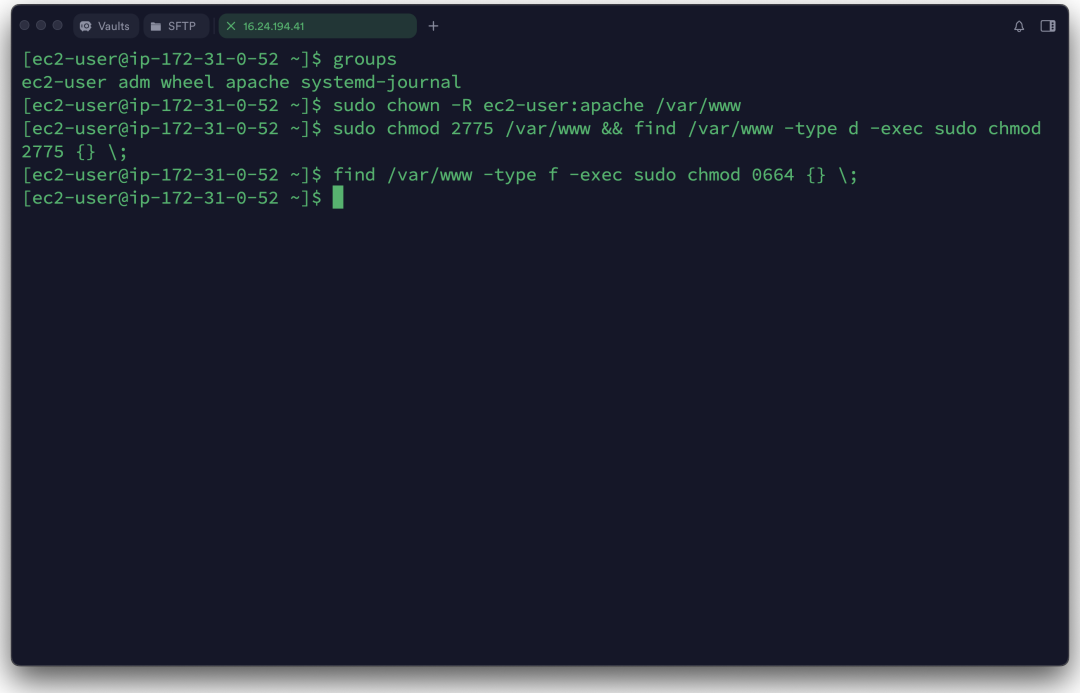

Figure 13: LAMP Web Server - Adding ec2-user to apache group with other security practices

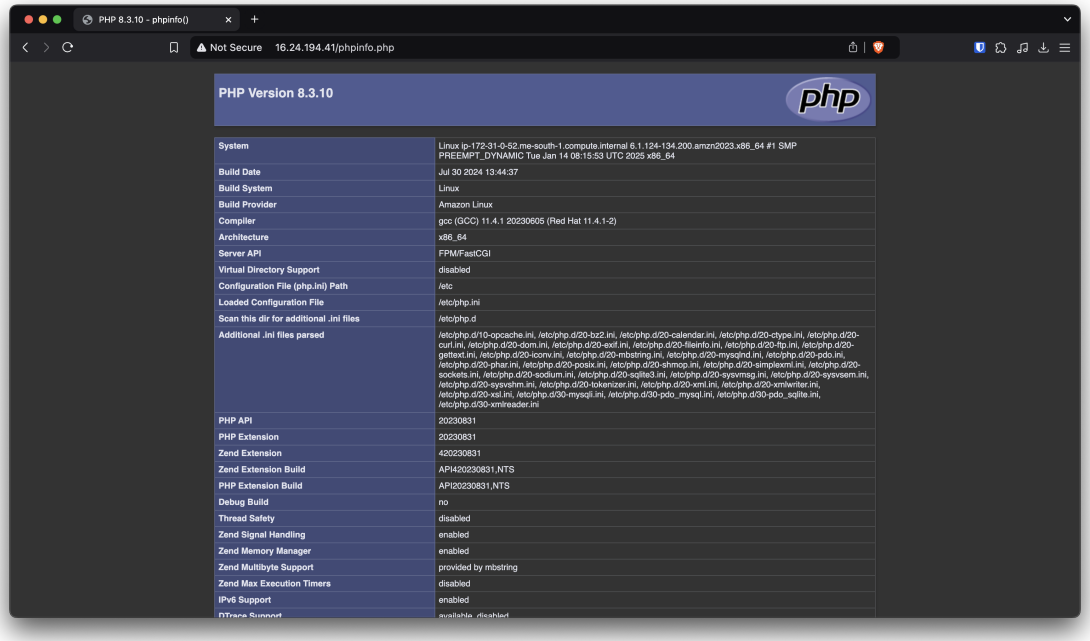

Figure 14: LAMP Web Server - PHP Info Page

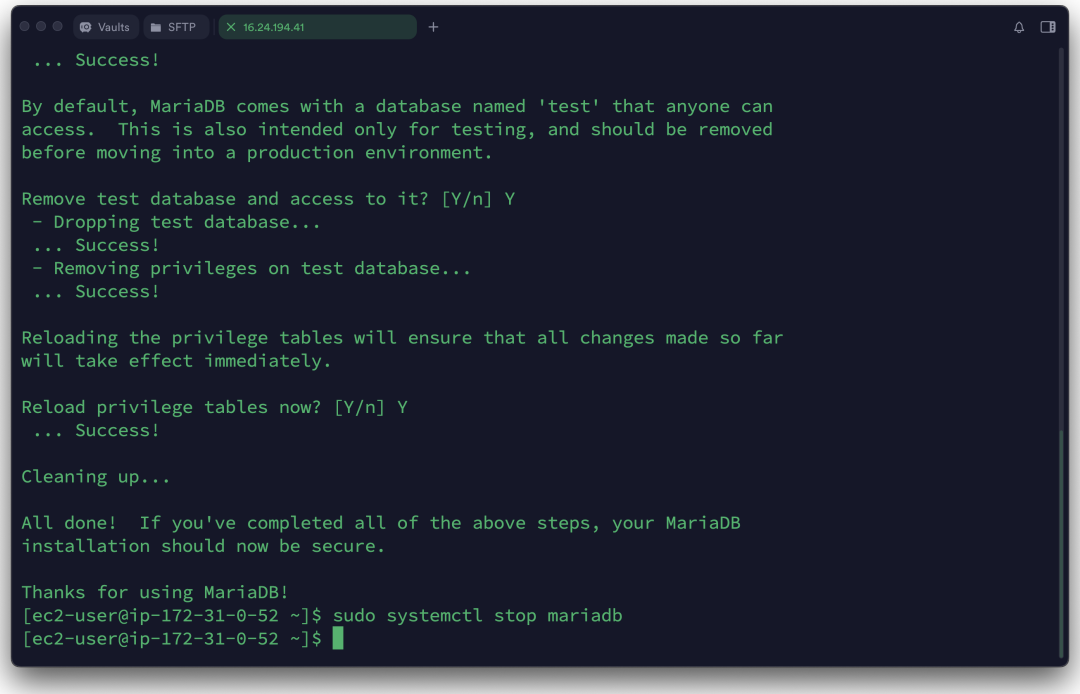

Figure 15: LAMP Web Server - MariaDB Secure Setup

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

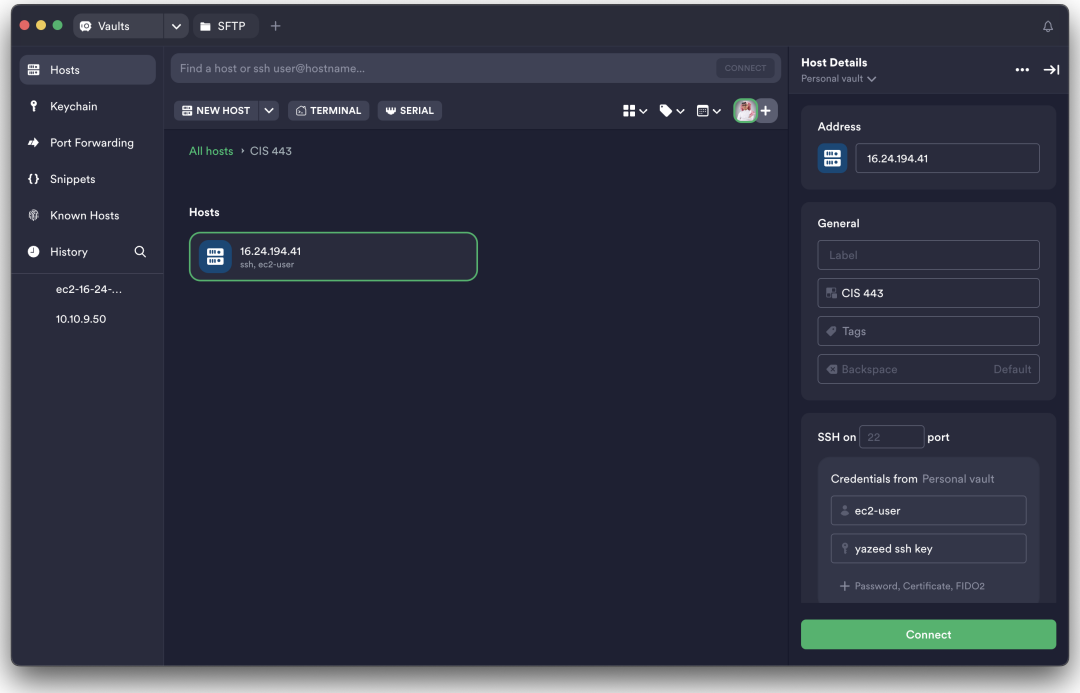

Figure 16: Termius SSH Connection Configuration

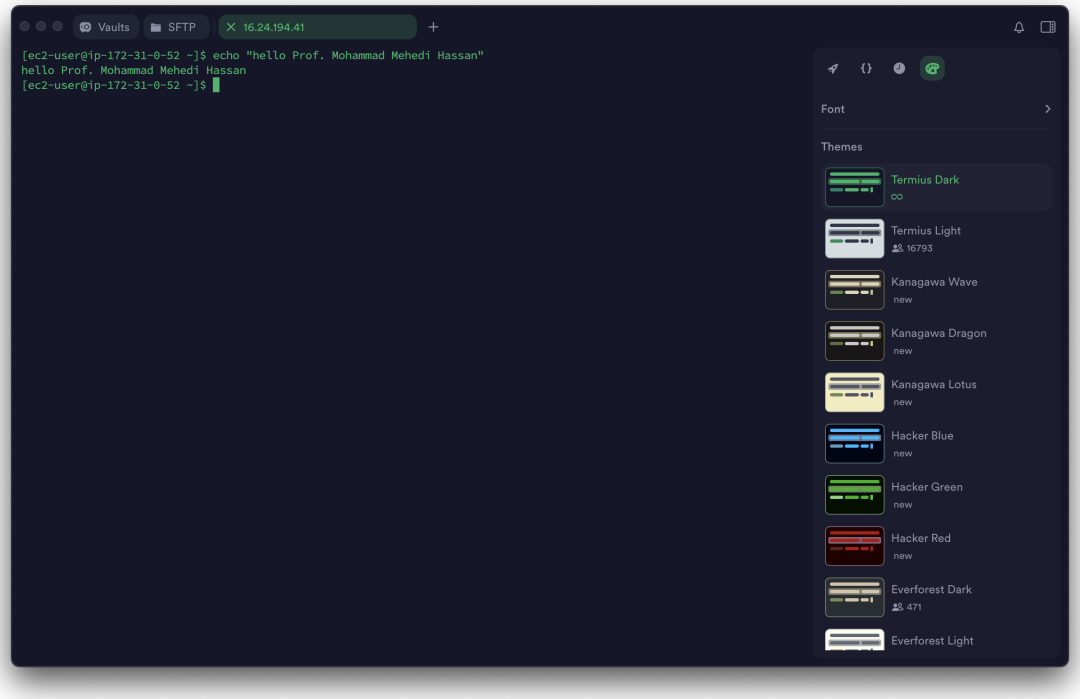

Figure 17: Termius SSH Connected - Saying Hello to Professor