

REPORT:

Topic: Deploy application in monolithic and microservices architecture.

WorkFlow:

Steps:

1) Create an AWS Free Tier Account:

Go to the AWS website (<https://aws.amazon.com/>).

Click on the "Create an AWS Account" button and follow the registration process to set up your free-tier AWS account.

2) Log in to your AWS Management Console.

Go to the EC2 dashboard. Launch EC2 Instances Launch 1 EC2 instance for the monolithic architecture and 2 EC2 instances for the microservices architecture, all with the t2. micro instance type and using an Ubuntu AMI.

3) Configure Security Groups

Create and configure security groups for each EC2 instance to allow necessary inbound and outbound traffic. For example, you'll need to allow SSH, HTTP, and MySQL traffic.

4) Set Up Monolithic Architecture

On the monolithic EC2 instance, install and configure WordPress and MySQL. Make sure they are running on the same instance.

5) Set Up Microservices Architecture

On one EC2 instance, install and configure WordPress.

On the other EC2 instance, install and configure MySQL.

Configure the WordPress instance to connect to the MySQL instance.

6) Create a Welcome Page

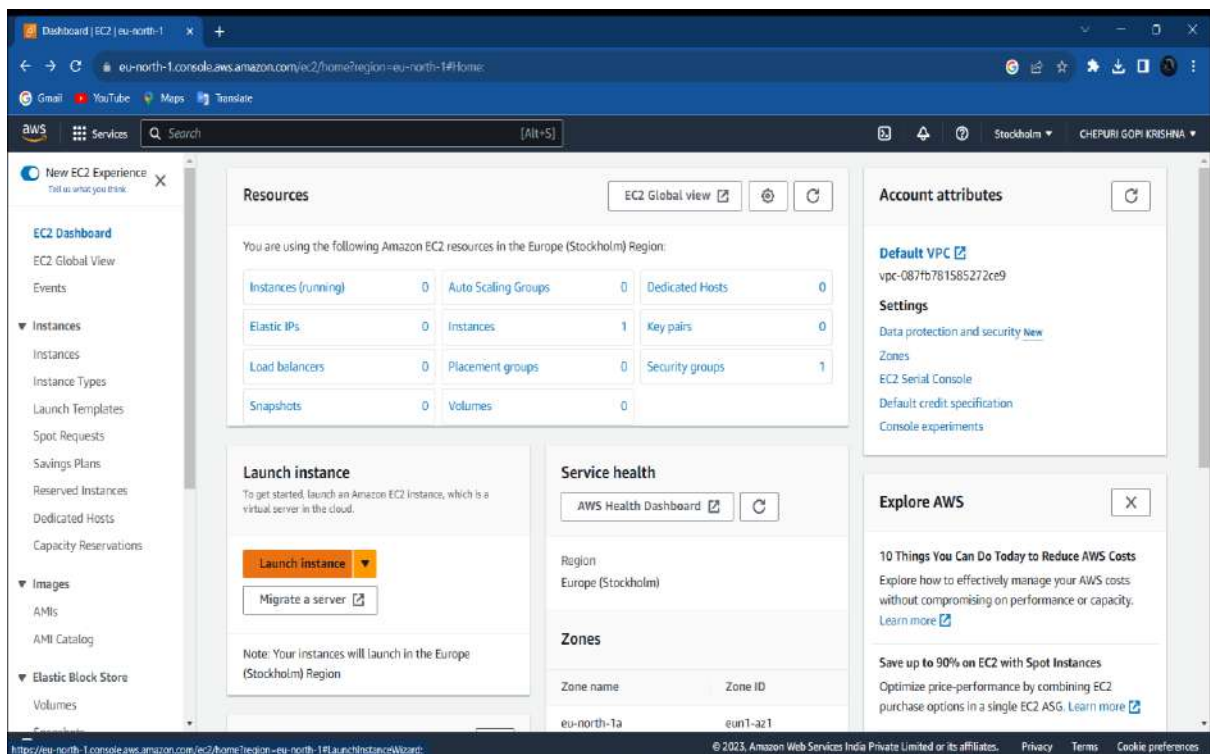
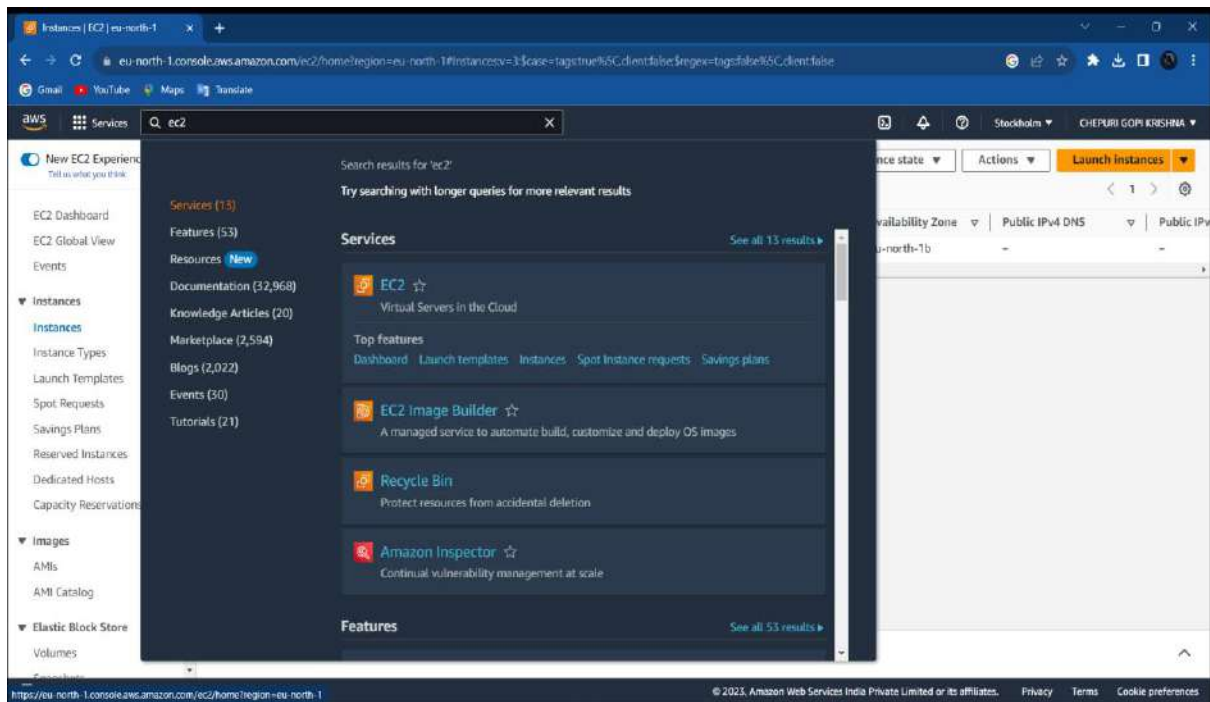
Log in to the WordPress admin panel and create a welcome page that you want to set as the homepage.

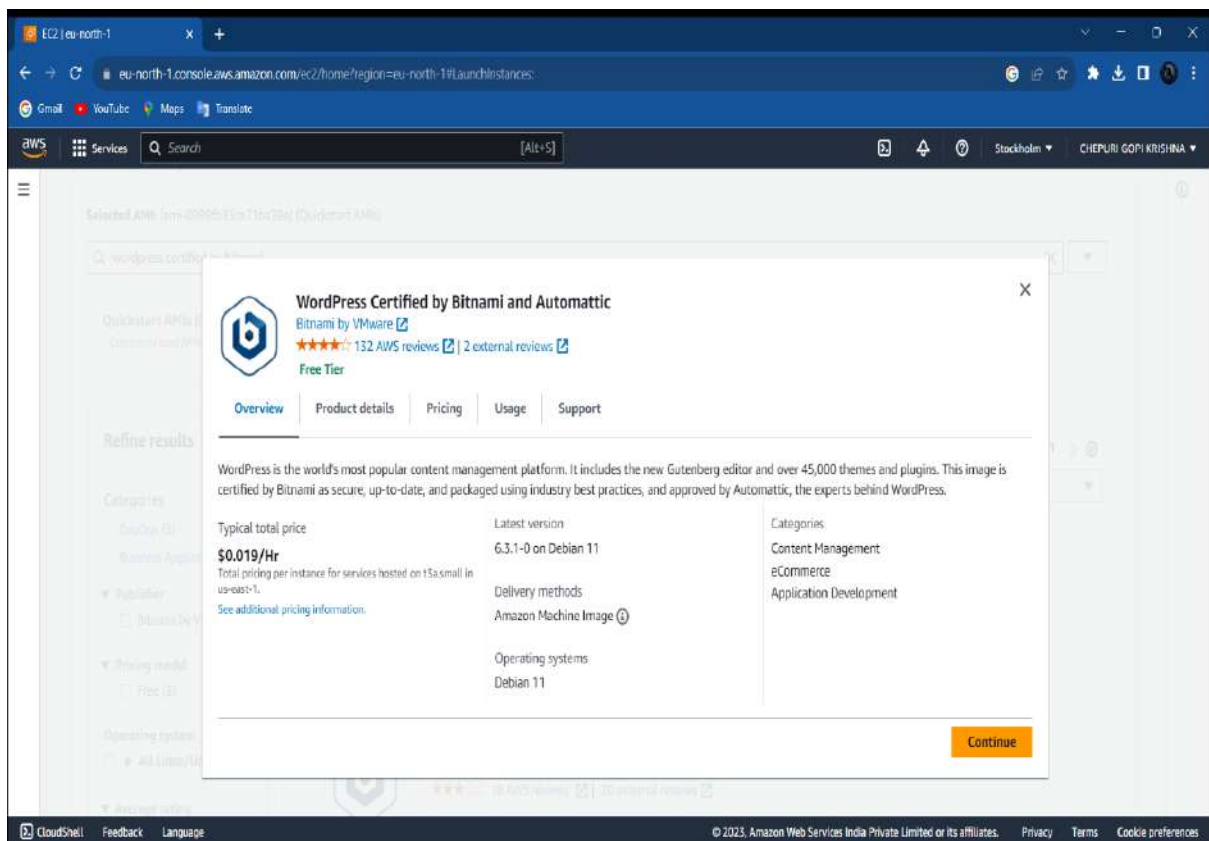
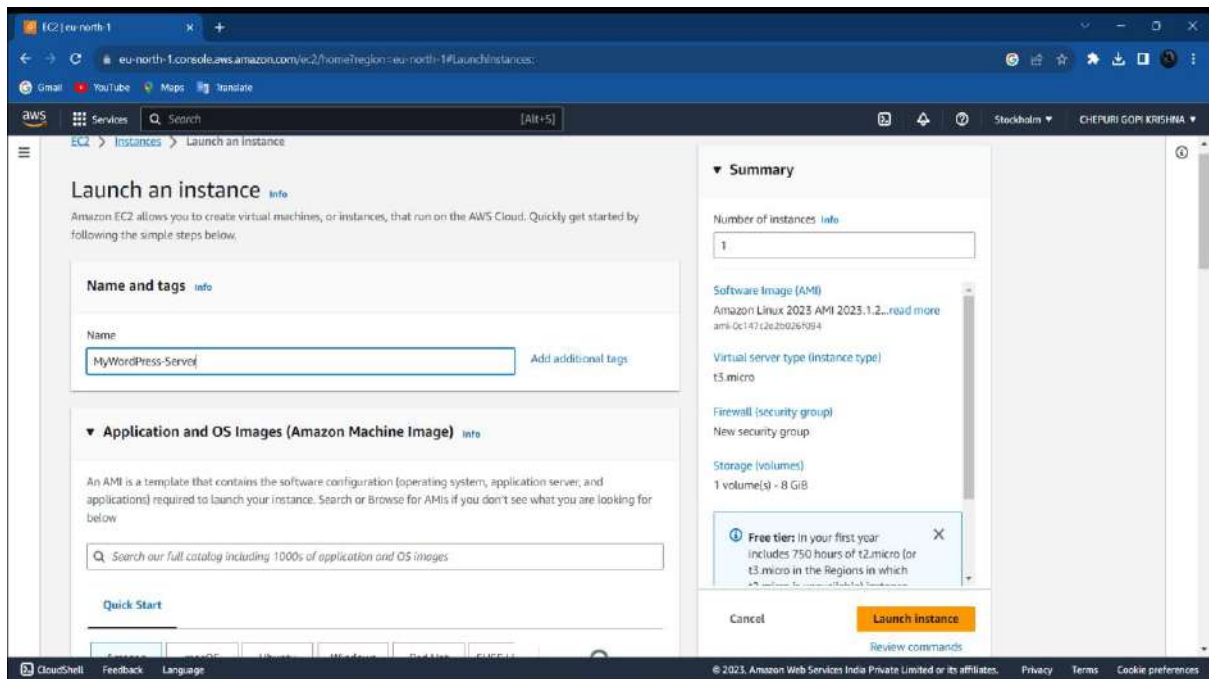
7) Configure WordPress Homepage

Set the welcome page you created as the homepage in WordPress settings.

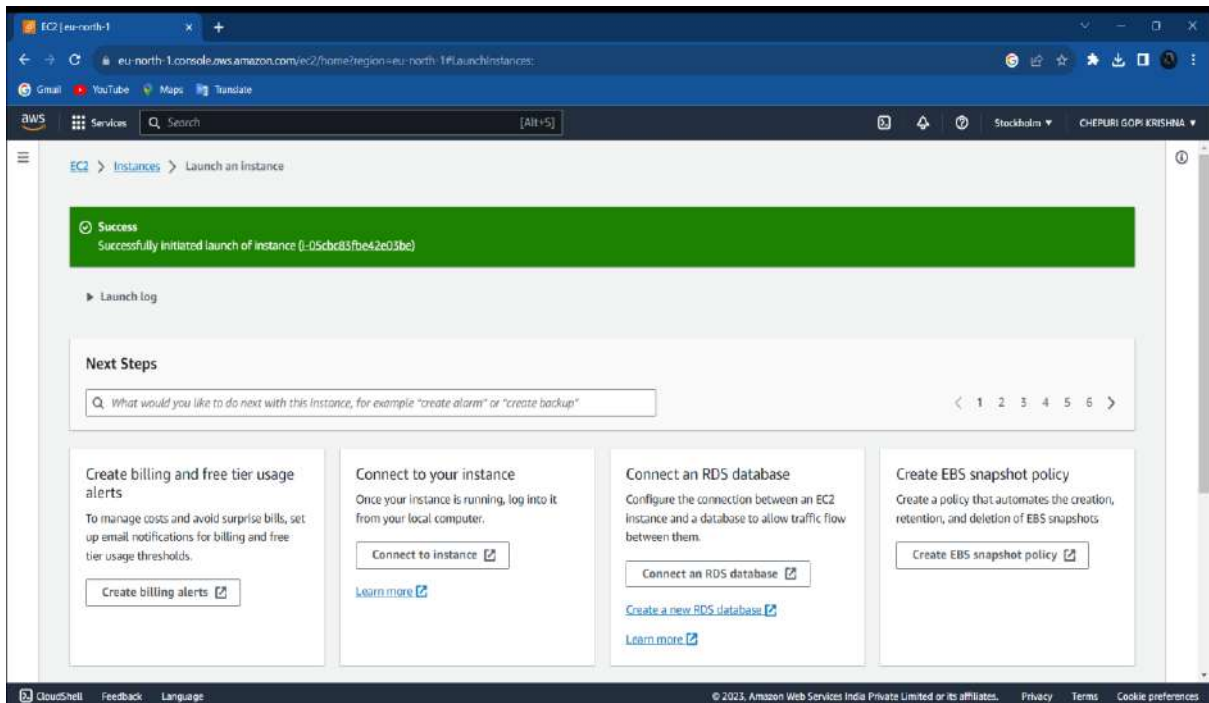
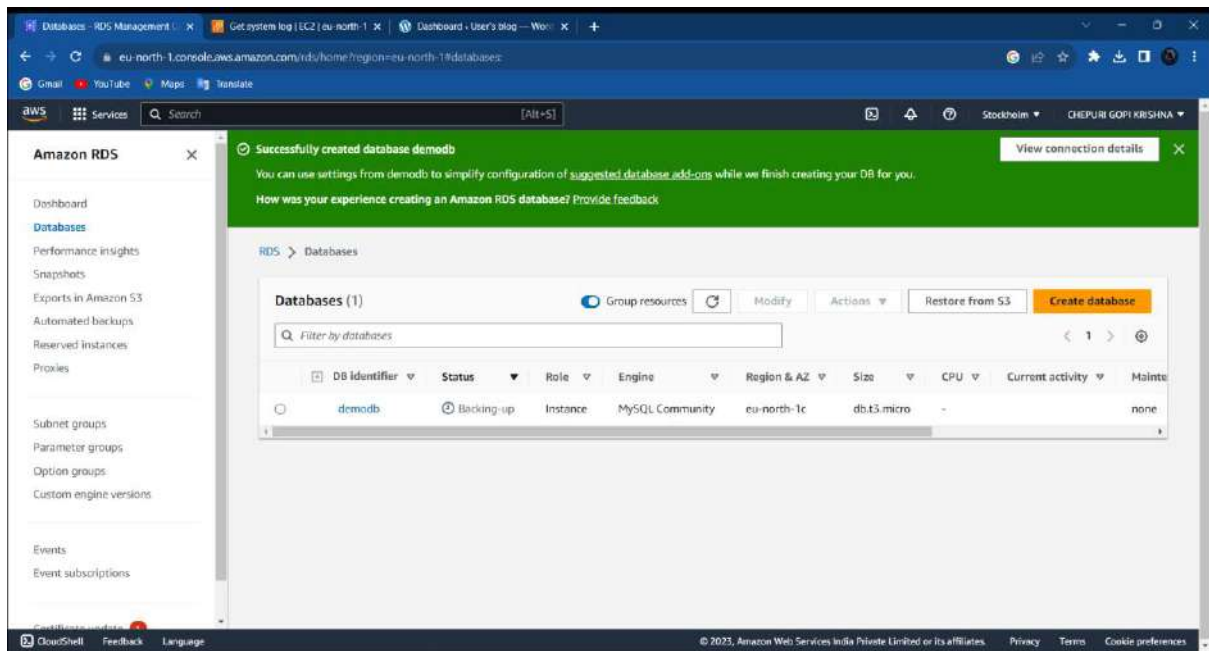
8) Testing

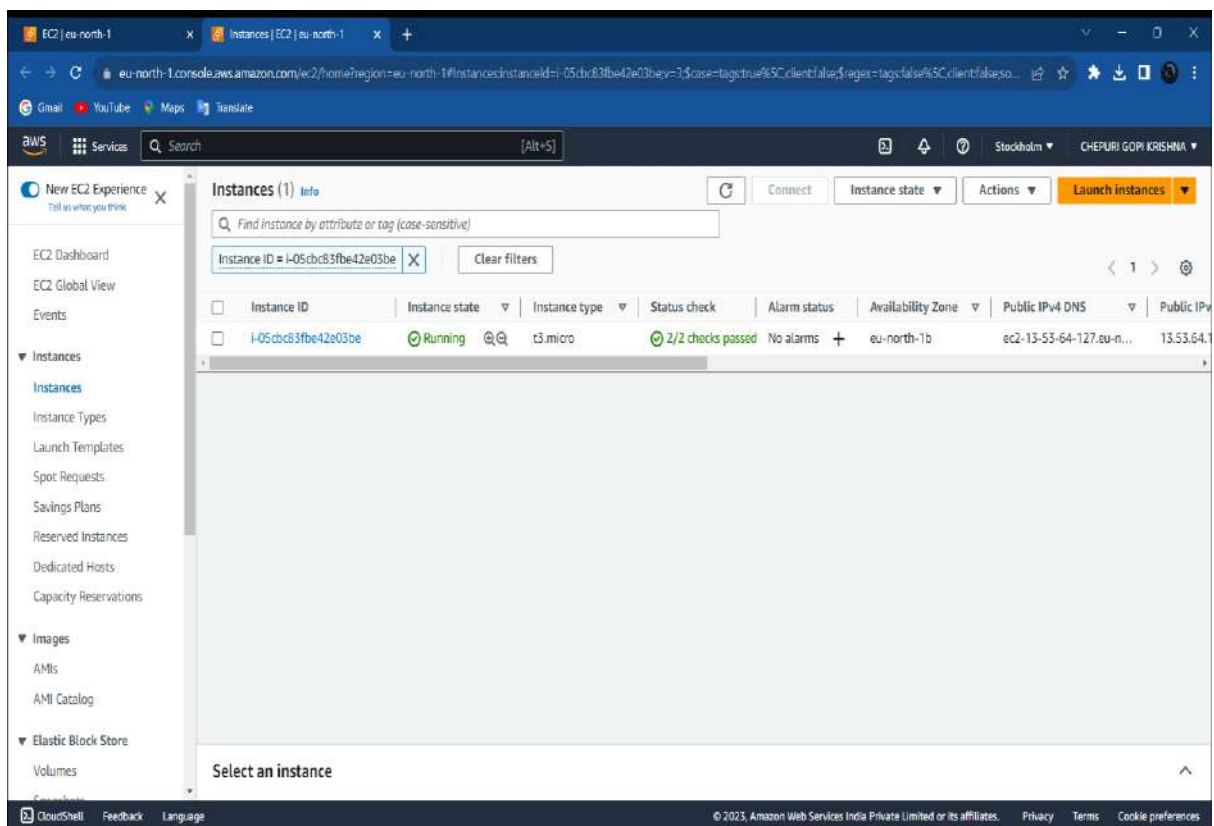
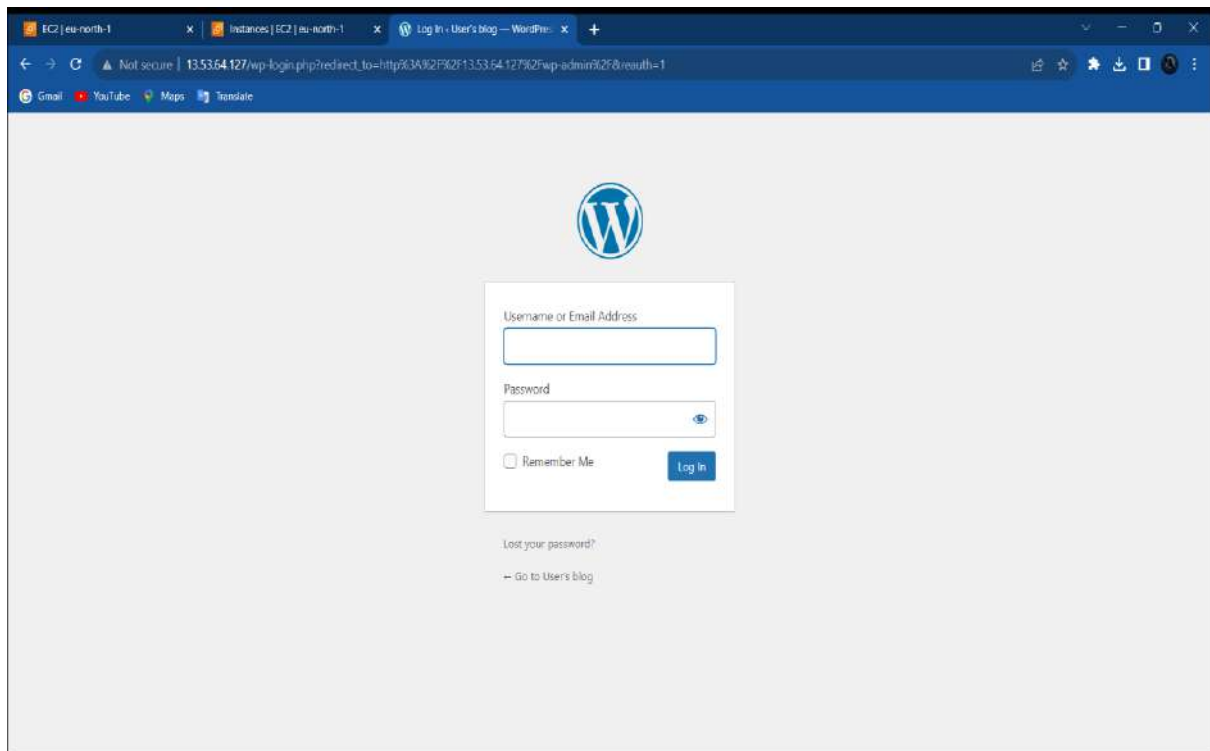
Access the WordPress site to verify that the welcome page is set as the homepage.

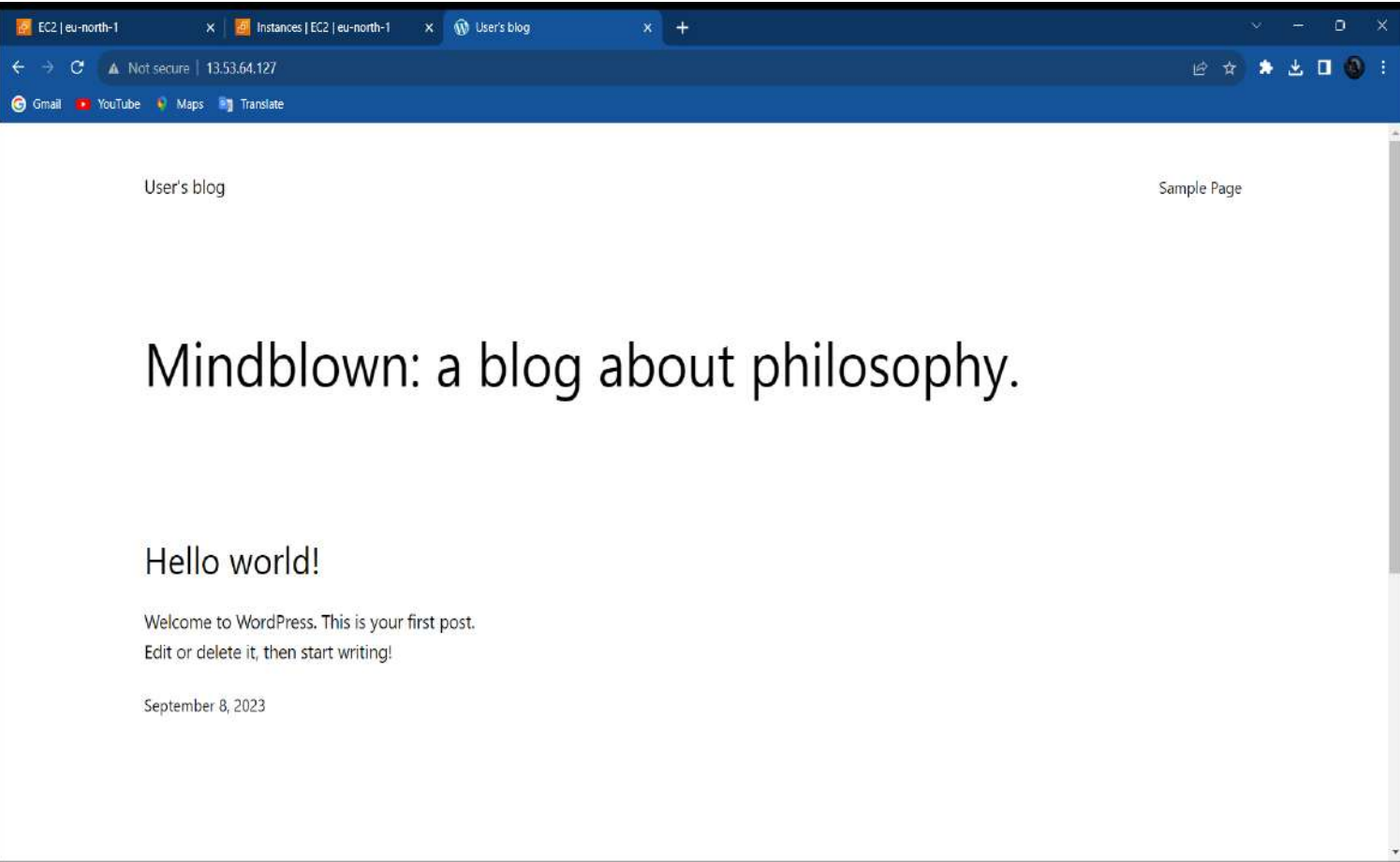




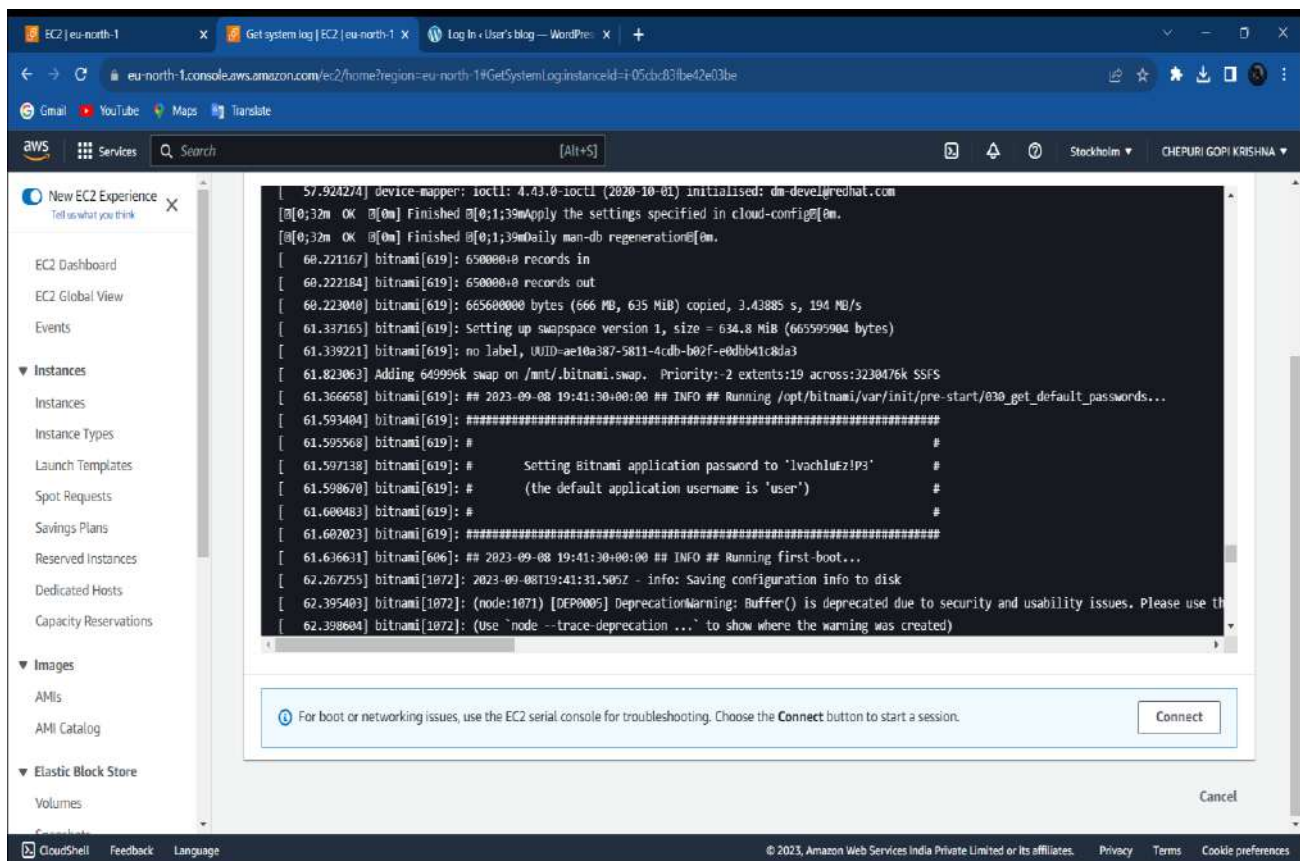
CREAT



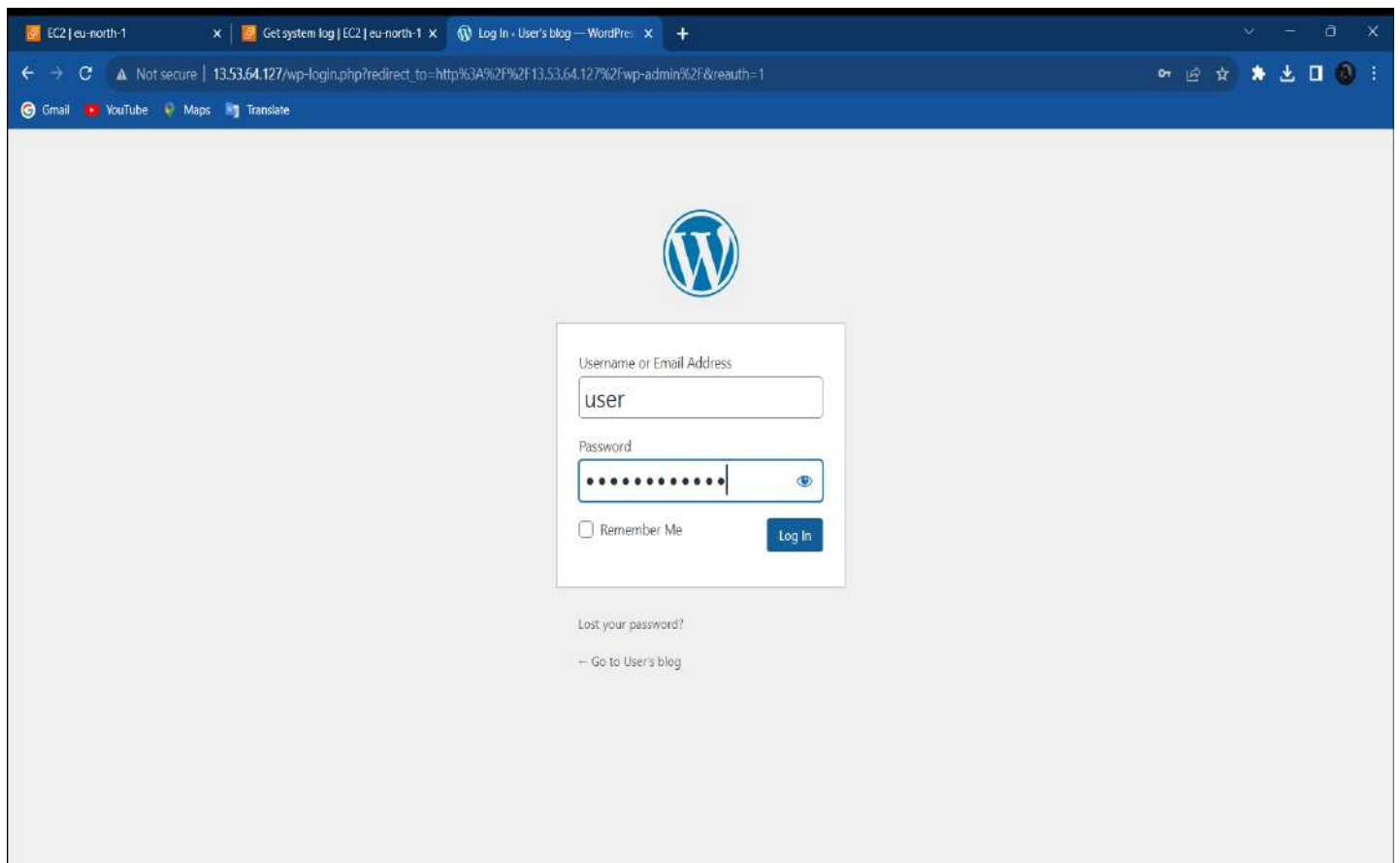




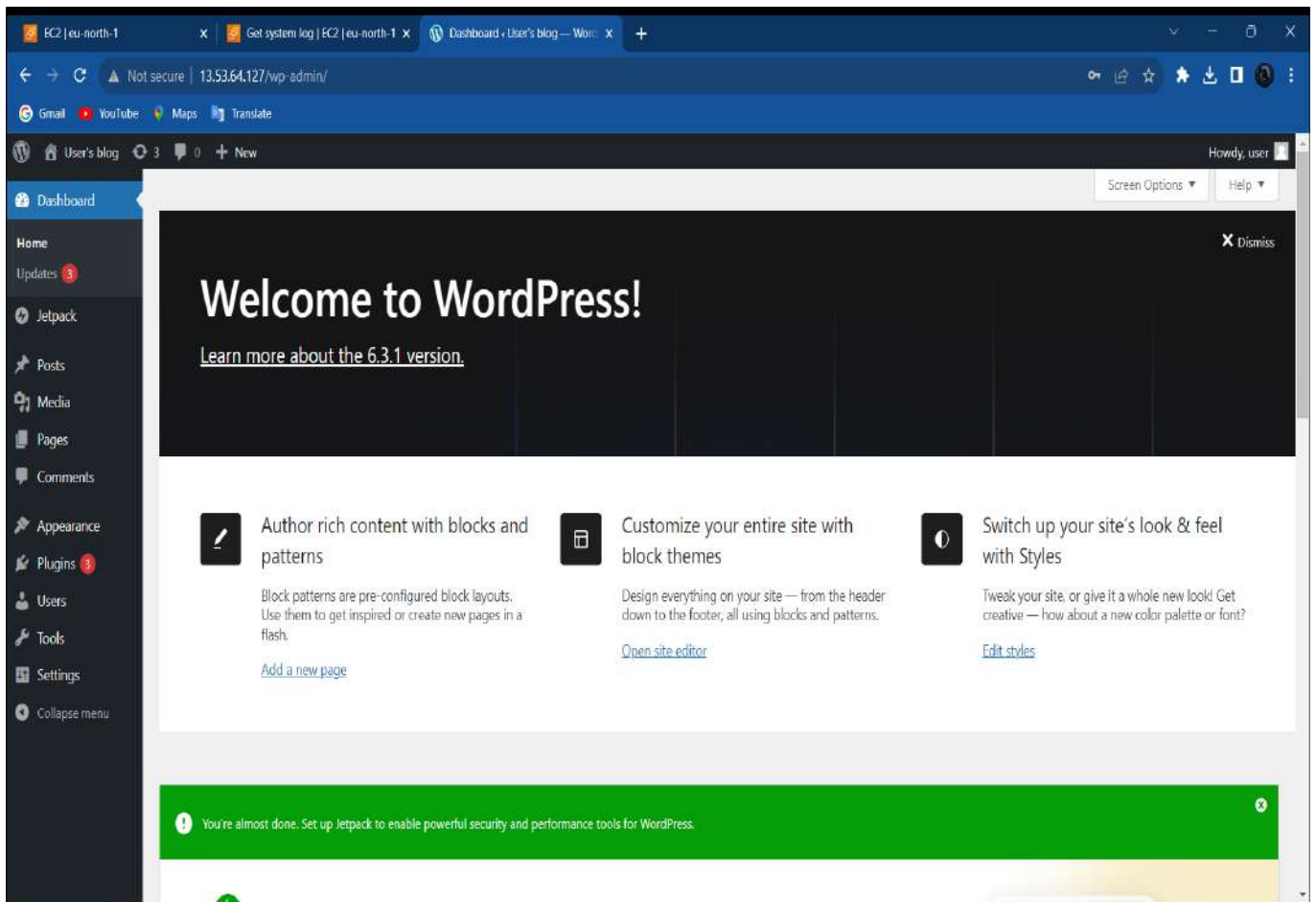
TESTING Public IPv4 address ON NEW WINDOW TAB



FINDING USERNAME AND PASSWORD



TRYING TO LOGIN BY USING USER ID AND PASSWORD.



HENCE WEB PAGE IS SUCCESSFULLY CREATED BY USING EC2 instance.