



Module 4: Auto-Scaling Assignment

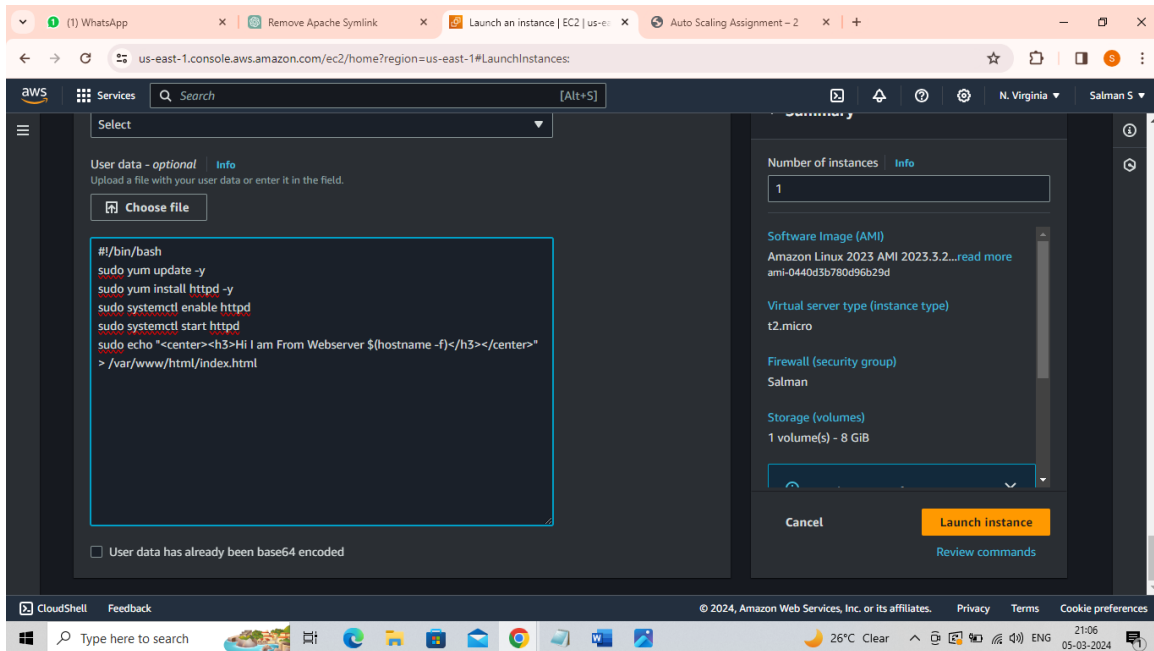
Problem Statement:

You work for XYZ Corporation that uses on premise solutions and some limited number of systems. With the increase in requests in their application, the load also increases. So, to handle the load the corporation has to buy more systems almost on a regular basis. Realizing the need to cut down the expenses on systems, they decided to move their infrastructure to AWS.

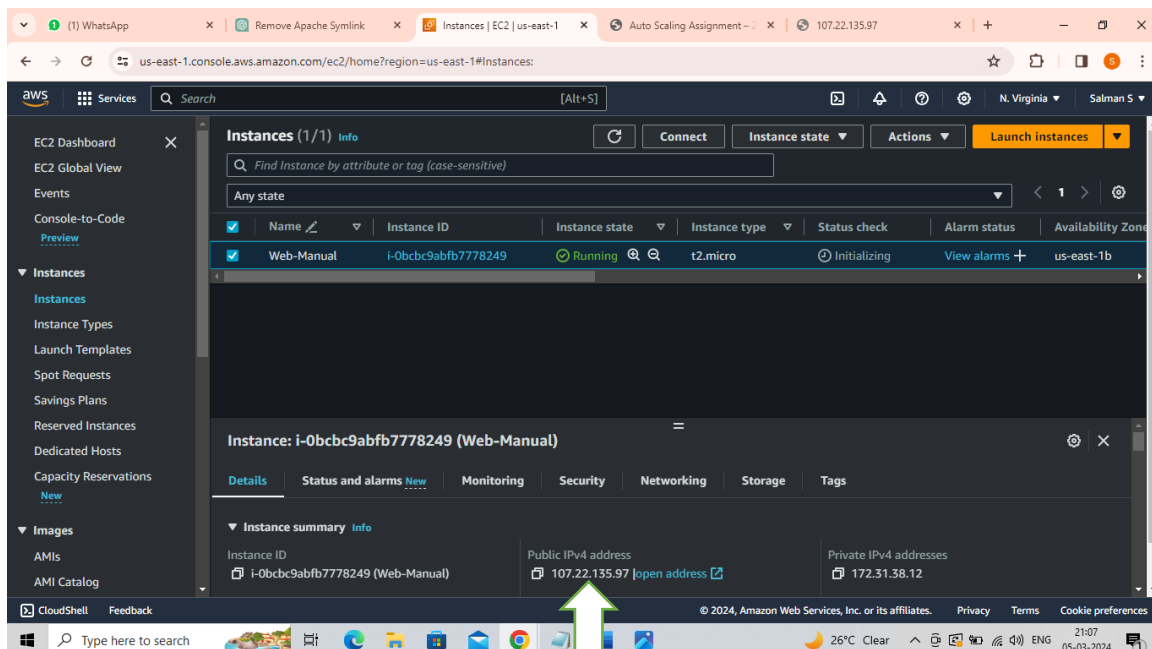
Tasks To Be Performed:

1. Create a web server AMI with Apache 2 server running in it.
2. Create a launch configuration with this AMI.
3. Use this launch configuration to create an Auto Scaling group with 1 minimum and 3 maximum instances.

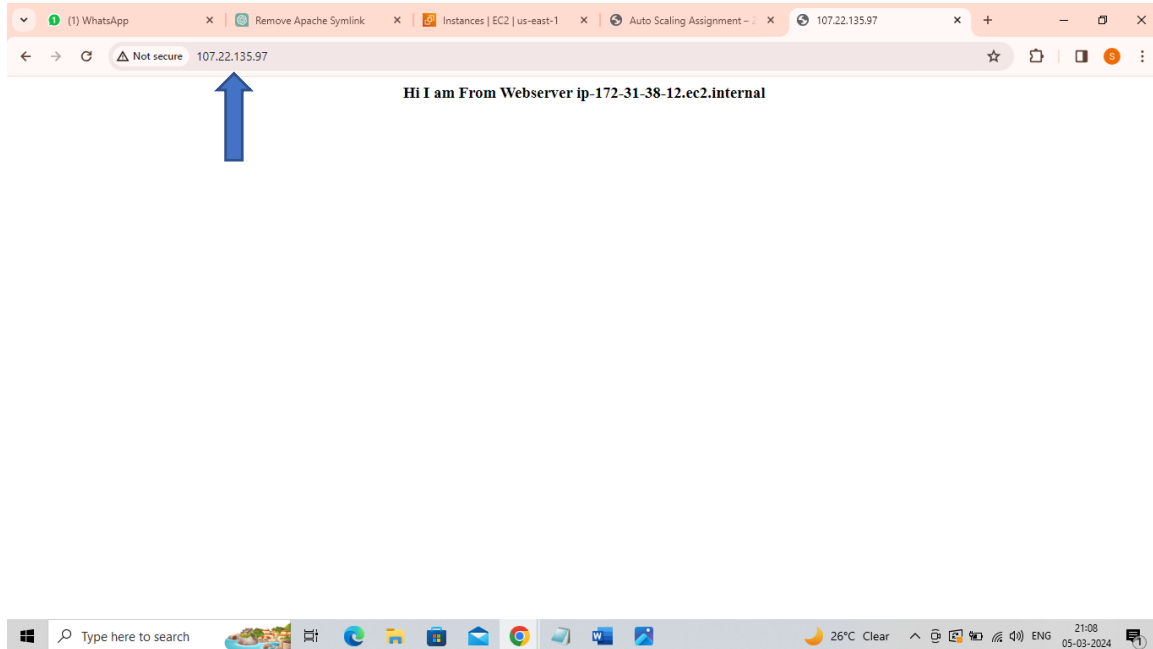
1. Creating Instances and using **User Data** and written the **Apache 2** Server **Script** to **Displaying the Webserver Page**



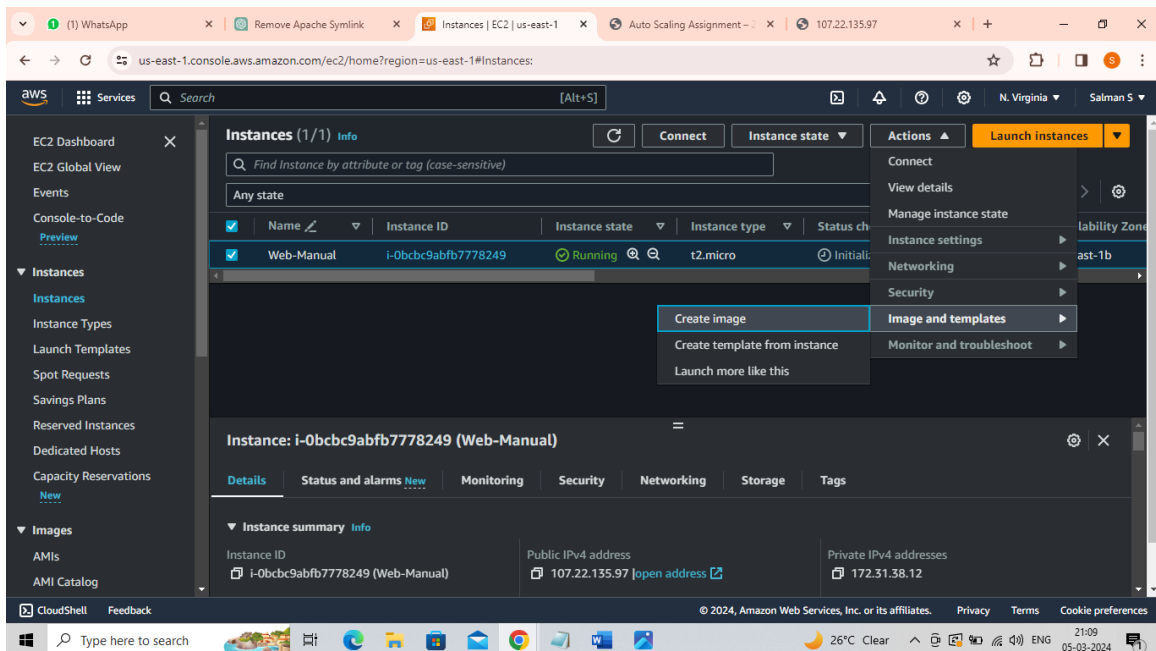
2. Successfully Launched



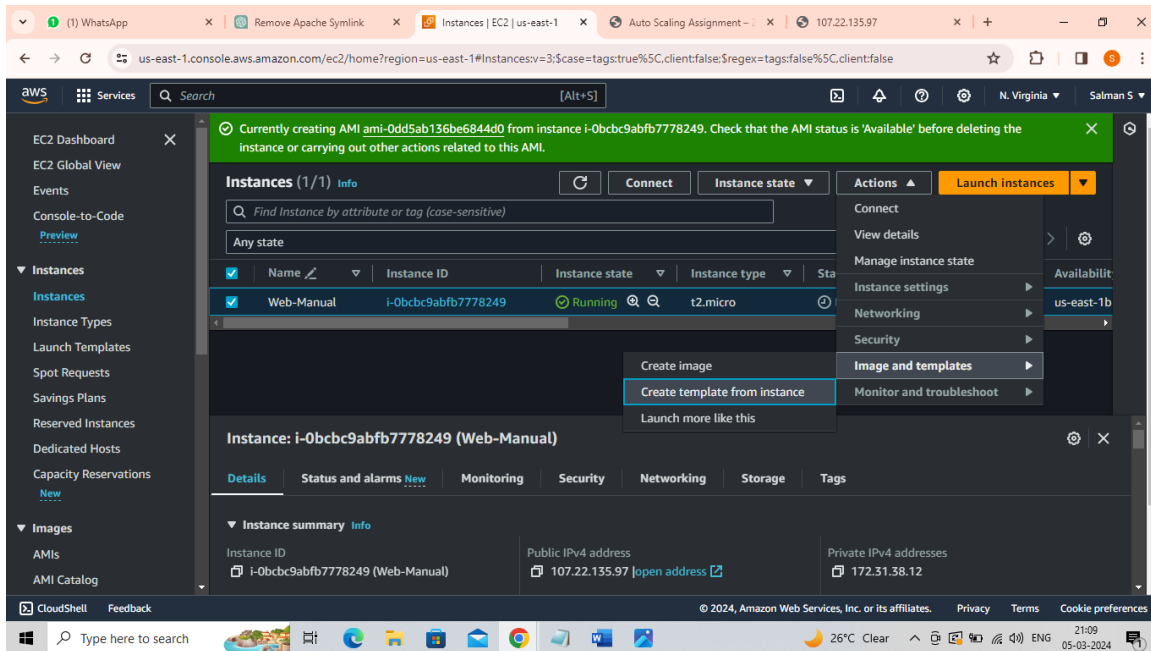
3. As Per the Script We Launched a Webserver



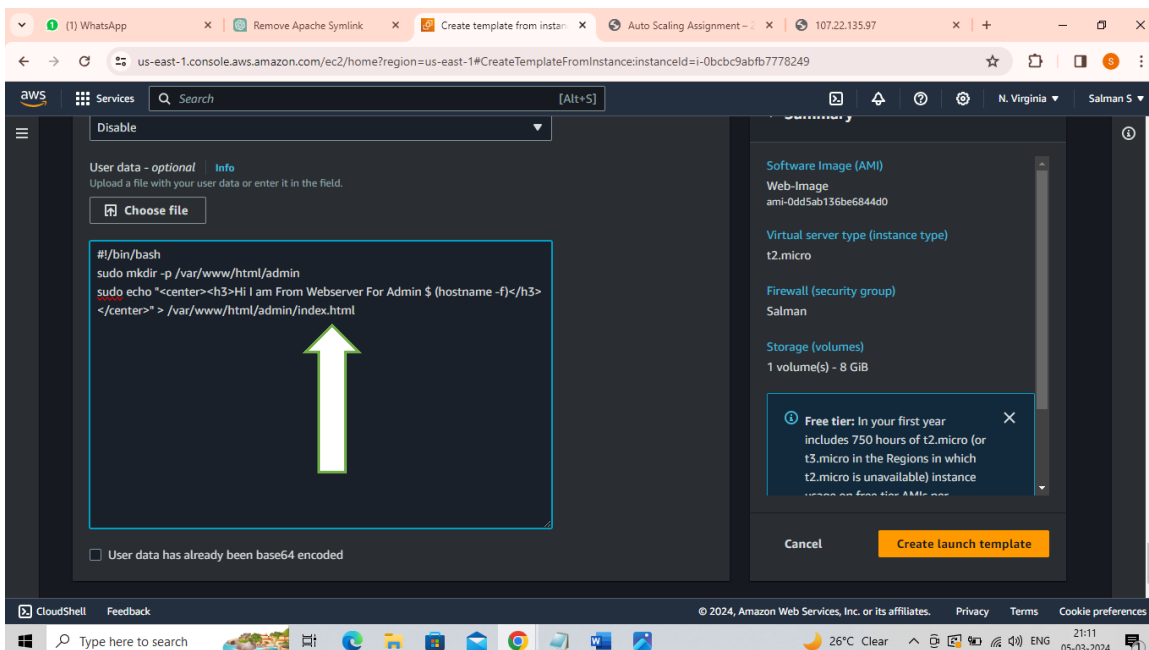
4. Now Creating a AMI(Image) For Creating a Template



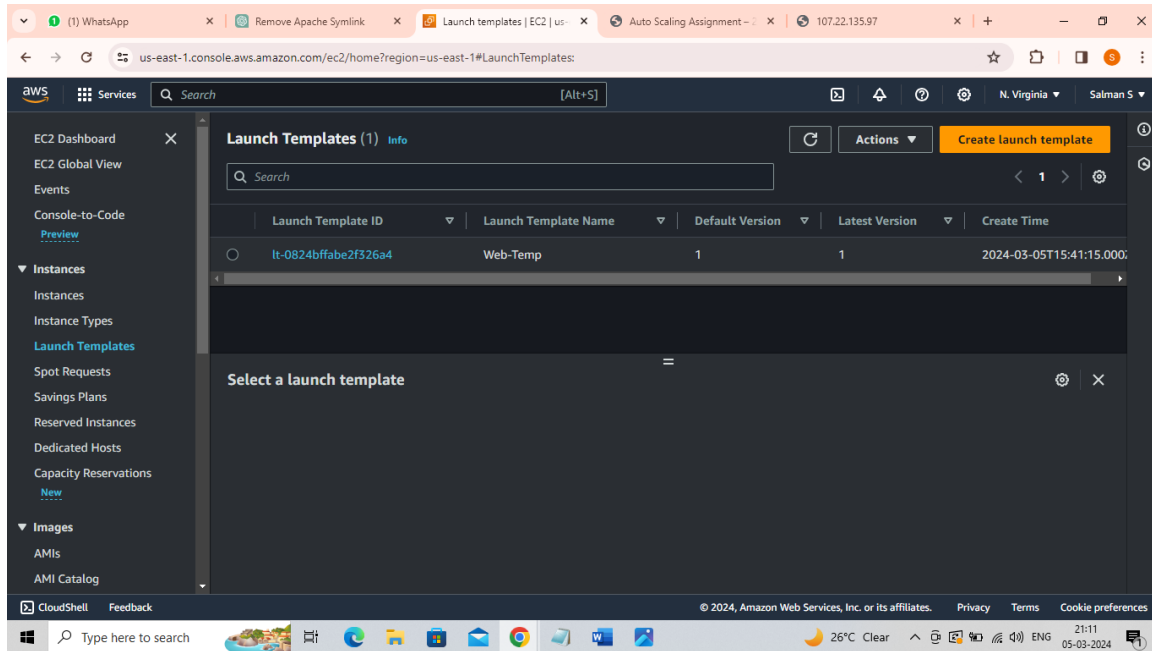
5. Now Creating a Template Configuration



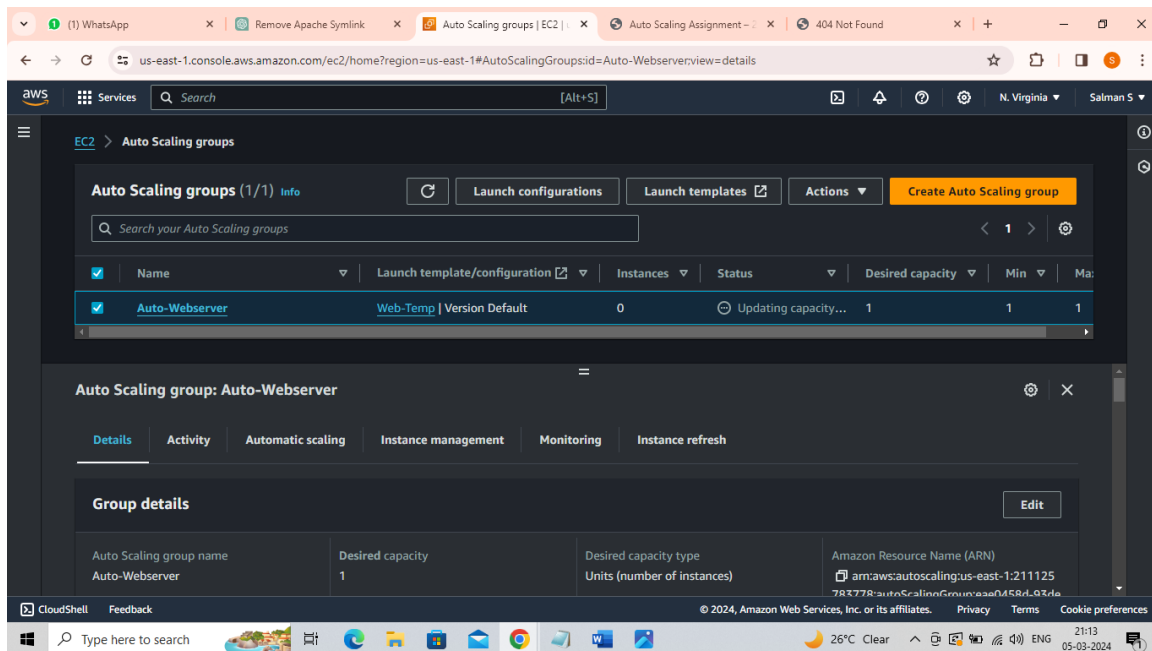
6. After Selecting created AMI to Launching Template to Configure the User Data (Adding)/Creating Admin Directory and Modified in Echo and stored in Admin Directory and here one Mistake I did that I gave space before hostname so it will not print the hostname so I updated the Launch Template to version 1 but its not captured in screenshot.



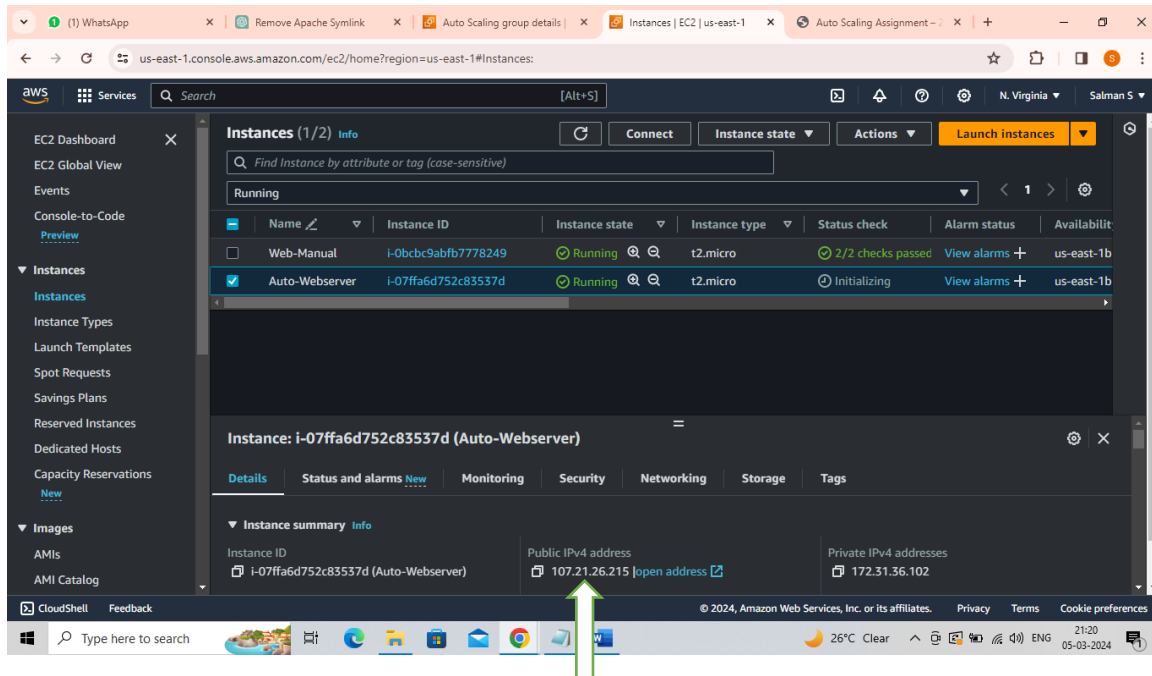
7. Template Successfully Created



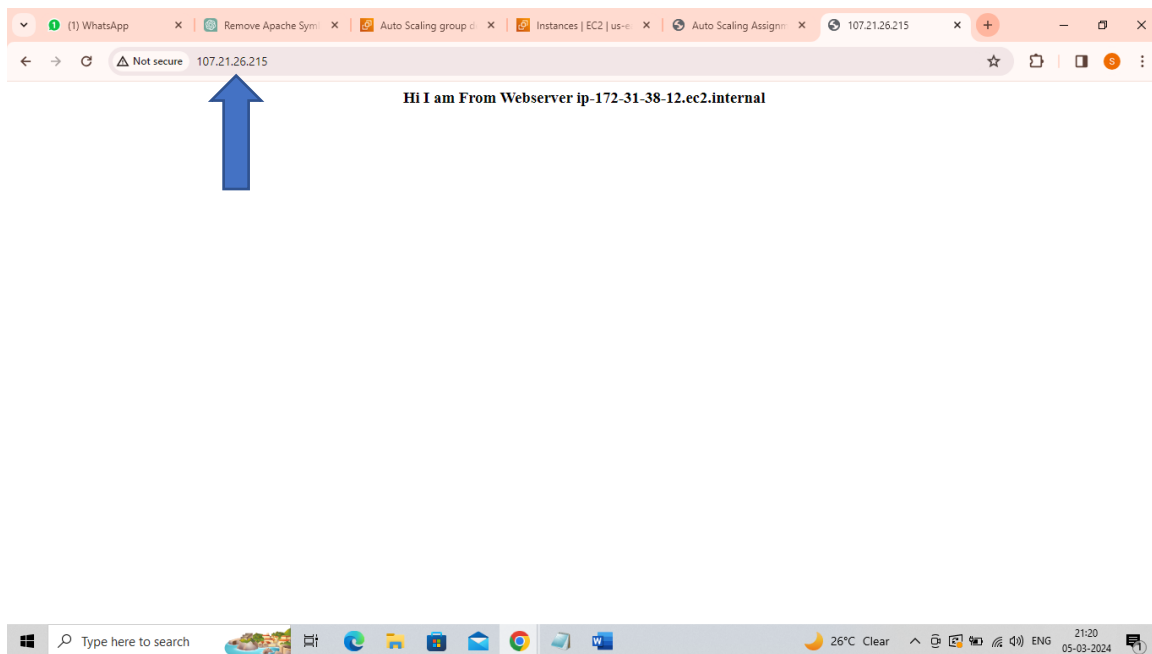
8. Creating a Auto Scaling Group



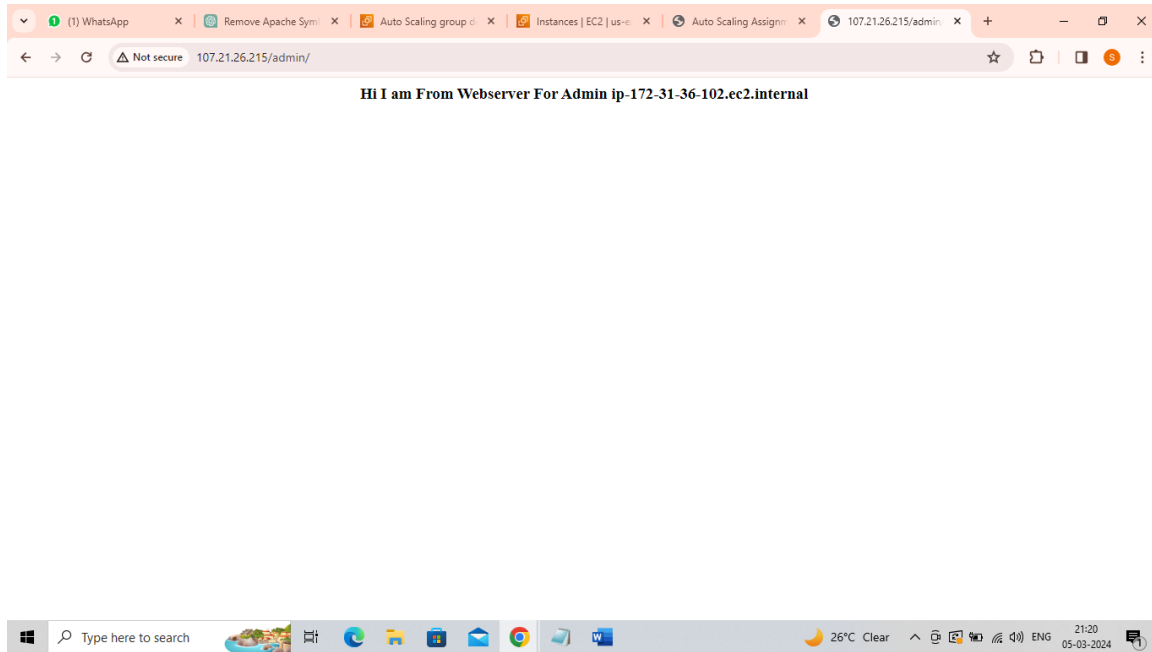
9. **Auto-Webserver** Created and **Minimum Instances 1** and **Maximum I gave 3** as per the assignment so currently its created only 1 instances because I set **CPU utilization more than 20 %** then it will create another Webserver.



10. Now this is Initial Data Which We have Created while Launching Instances, Which we **attached** that template for **Auto Scaling Group**



11. And Also We Created another Directory in Launch Template that is Admin. and small modification we did in the Admin Directory. So this Assignment Task which I completed.



Thank You