Cloud Computing Assignment 1

Name: Varad Marathe

TE Computer B Batch A

Roll Number: - 22C0069

**Case study on Amazon EC2 and learn about Amazon EC2 web services.**

The steps that I Followed are: -

1. Setting Up an EC2 Instance

● Logged into the AWS Management Console and launched an EC2 instance.

● Chose Amazon Linux 2 as the AMI and selected a t2.micro instance (free tier eligible). ● Configured security settings to allow SSH (port 22) access.

● Downloaded the key pair and launched the instance. 2. Connecting to the EC2 Instance 3. Installing and Configuring Apache Web Server Commands Used 1) ssh -i "your-key.pem" ec2-user@your-ec2-public-ip

● Establishes an SSH connection to the EC2 instance.

● Uses the private key for secure authentication. ● Allows remote access to the instance's terminal.

2) sudo yum update -y ● Updates all installed packages to their latest versions.

● Ensures system stability and security. ● Automatically confirms the update process.

3) sudo yum install -y httpd ● Installs the Apache HTTP server on the EC2 instance. ● Enables the instance to serve web pages.

● The -y flag auto-approves the installation.

4) sudo systemctl start httpd ● Starts the Apache web server. ● Allows the server to handle HTTP requests.

5) sudo systemctl enable httpd.

● Ensures Apache starts automatically after system reboots. ● Helps maintain server availability after restarts.









