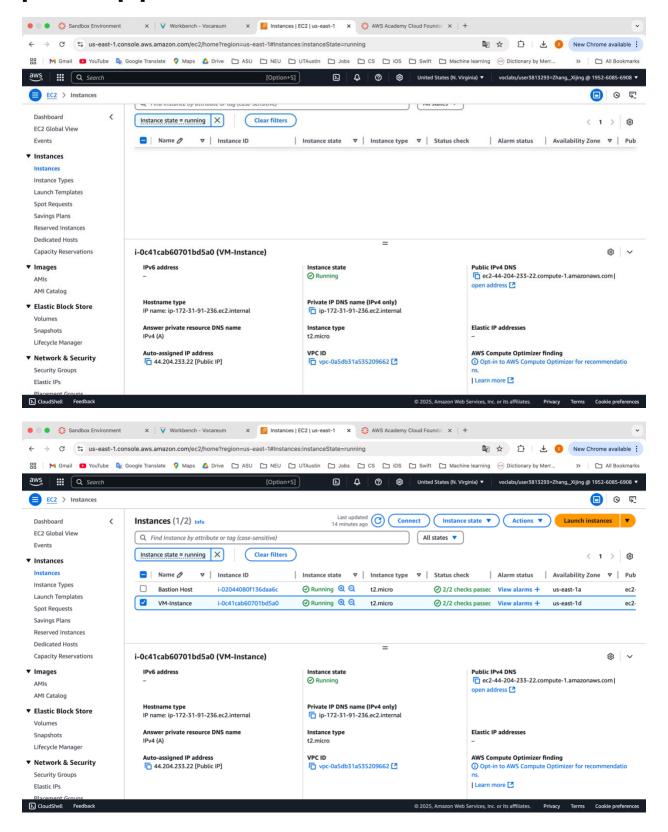
#### [Screen shot [#1]



**Screenshot 1:** Displays the EC2 instance details, including the instance type (m5.large) and the configured EBS storage.

Note: The AWS Academy doesn't allow me to create an m5.large instance, so I use t2.micro to complete the assignment.

### [Screen shot [#2]

```
🔞 🥚 🌑 🔟 zhangxijing — ubuntu@ip-172-31-80-75: ~ — ssh -i ec2.pem ubuntu@35....
Setting up docker-ce-rootless-extras (5:28.0.0-1~ubuntu.22.04~jammy) ...
Setting up slirp4netns (1.0.1-2) ...
Setting up docker-ce (5:28.0.0-1~ubuntu.22.04~jammy) ...
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /li
b/systemd/system/docker.service.
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket \rightarrow /lib/sy
stemd/system/docker.socket.
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.8) ...
Scanning processes...
Scanning linux images...
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
[ubuntu@ip-172-31-80-75:~$ sudo docker --version
Docker version 28.0.0, build f9ced58
ubuntu@ip-172-31-80-75:~$
```

**Screenshot 2:** Shows the successful installation of Docker on the Ubuntu system, verifying the Docker version.

### [Screen shot [#3]

```
📵 🥚 🌑 📷 zhangxijing — ubuntu@ip-172-31-80-75: ~ — ssh -i ec2.pem ubuntu@35....
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
[ubuntu@ip-172-31-80-75:~$ sudo docker --version
Docker version 28.0.0, build f9ced58
ubuntu@ip-172-31-80-75:~$ sudo curl -L "https://github.com/docker/compose/releas
es/latest/download/docker-compose-\$(uname -s)-\$(uname -m)" -o /usr/local/bin/docker-compose-\$(uname -s)-\$(uname -m)" -o /usr/local/bin/docker-compose-suname -s)-$(uname -m) - /usr/local/bin/docker-compose-suname -s)-$(uname -m) -o /usr/local/bin/docker-compose-suname -s)-$(uname -
ker-compose
     % Total
                                     % Received % Xferd Average Speed
                                                                                                                                           Time
                                                                                                                                                                    Time
                                                                                                                                                                                              Time Current
                                                                                                Dload Upload Total Spent
                                                                                                                                                                                              Left Speed
                       0
                                                       0
                                                                     0
                                                                                                          0
                                                                                                                               0 --:--:--
      0
                       0
                                     0
                                                       0
                                                                     0
                                                                                       0
                                                                                                          0
                                                                                                                               0 --:--:--
                                                                0 0 73.9M
100 70.2M 100 70.2M
                                                                                                                               0 --:--: 73.9M
ubuntu@ip-172-31-80-75:~$ sudo chmod +x /usr/local/bin/docker-compose
ubuntu@ip-172-31-80-75:~$ docker-compose --version
Docker Compose version v2.33.1
ubuntu@ip-172-31-80-75:~$
```

**Screenshot 3:** Confirms that Docker Compose is installed correctly by showing its version output.

# [Screen shot [#4]

**Screenshot 4:** Illustrates that the Docker containers for Nginx (web) and MySQL (db) are running as expected.

### [Screen shot [#5]



### Welcome to My Simple Web Application! Xijing Zhang!

This application is powered by Kubernetes and MySQL.

**Screenshot 5:** Demonstrates the web application in a browser, including the public IP address and the custom HTML content with your name.

# [Screen shot [#6]

**Screenshot 6:** Confirms that after stopping the containers with docker-compose down, no Docker containers are running.