

## Experiment – 4

NAME: Ronak Surve

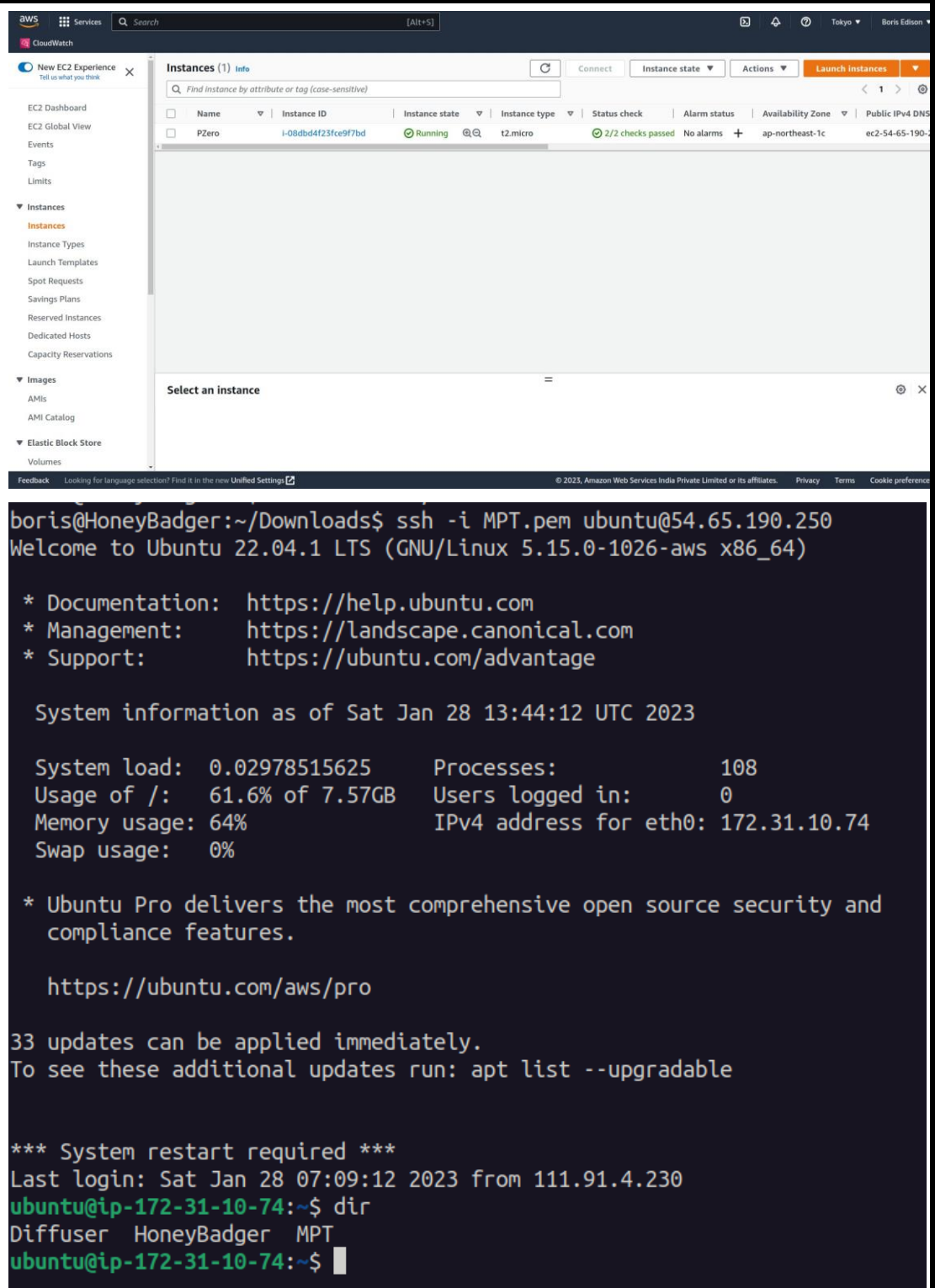
ROLL NO: 64

YEAR : 2023

SUBJECT NAME AND CODE: CSL605 Cloud Computing

<b>Title: To study and Implement Infrastructure as a Service using AWS/Microsoft Azure.</b>	
Learning Objective:	Student will be able to hand on creating and running Linux/Windows Virtual machine
Learning Outcome:	Students will be able To demonstrate the steps to create and run virtual machines inside the Public cloud platform.
Course Outcome:	<b>CSL605.2</b>
Program Outcome:	<b>3.Design/development of solutions:</b> Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.  <b>5.Modern tool usage:</b> Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
Bloom's Taxonomy Level:	Analysis,Apply.
Theory:	-
Procedure	<b>Creating and running Linux/Windows Virtual machines inside Amazon EC2 or Microsoft Azure Compute and accessing them using RDP or VNC tools.</b>
Steps	1.Do Registration using Github students developer pack for Azure Or 1.Do registration in AWS cloud making Virtual debit card 2.Once registration over then Create Instances for running virtual machines. 3. Run a the instance 4.Create virtual machine

Outcome :



The screenshot displays the AWS CloudWatch console interface. On the left, the navigation menu includes sections for EC2 (Dashboard, Global View, Events, Tags, Limits, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), Images (AMIs, AMI Catalog), and Elastic Block Store (Volumes). The main panel shows the 'Instances (1)' page with a table listing one instance: 'PZero' with ID 'i-08dbd4f23fce9f7bd', state 'Running', type 't2.micro', and status '2/2 checks passed'. Below the table is a 'Select an instance' button. At the bottom, a terminal window shows a successful SSH connection to an Ubuntu instance. The terminal output includes system information, load statistics, and update notifications.

```
boris@HoneyBadger:~/Downloads$ ssh -i MPT.pem ubuntu@54.65.190.250
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1026-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

System information as of Sat Jan 28 13:44:12 UTC 2023

System load:  0.02978515625      Processes:            108
Usage of /:   61.6% of 7.57GB    Users logged in:      0
Memory usage: 64%                IPv4 address for eth0: 172.31.10.74
Swap usage:   0%

 * Ubuntu Pro delivers the most comprehensive open source security and
   compliance features.

https://ubuntu.com/aws/pro

33 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

*** System restart required ***
Last login: Sat Jan 28 07:09:12 2023 from 111.91.4.230
ubuntu@ip-172-31-10-74:~$ dir
Diffuser HoneyBadger MPT
ubuntu@ip-172-31-10-74:~$
```

Conclusion :

Understanding and Implementing Infrastructure as a service using AWS

References:

Give References: <https://www.youtube.com/watch?v=PrkEulPOV4s&t=104s>