



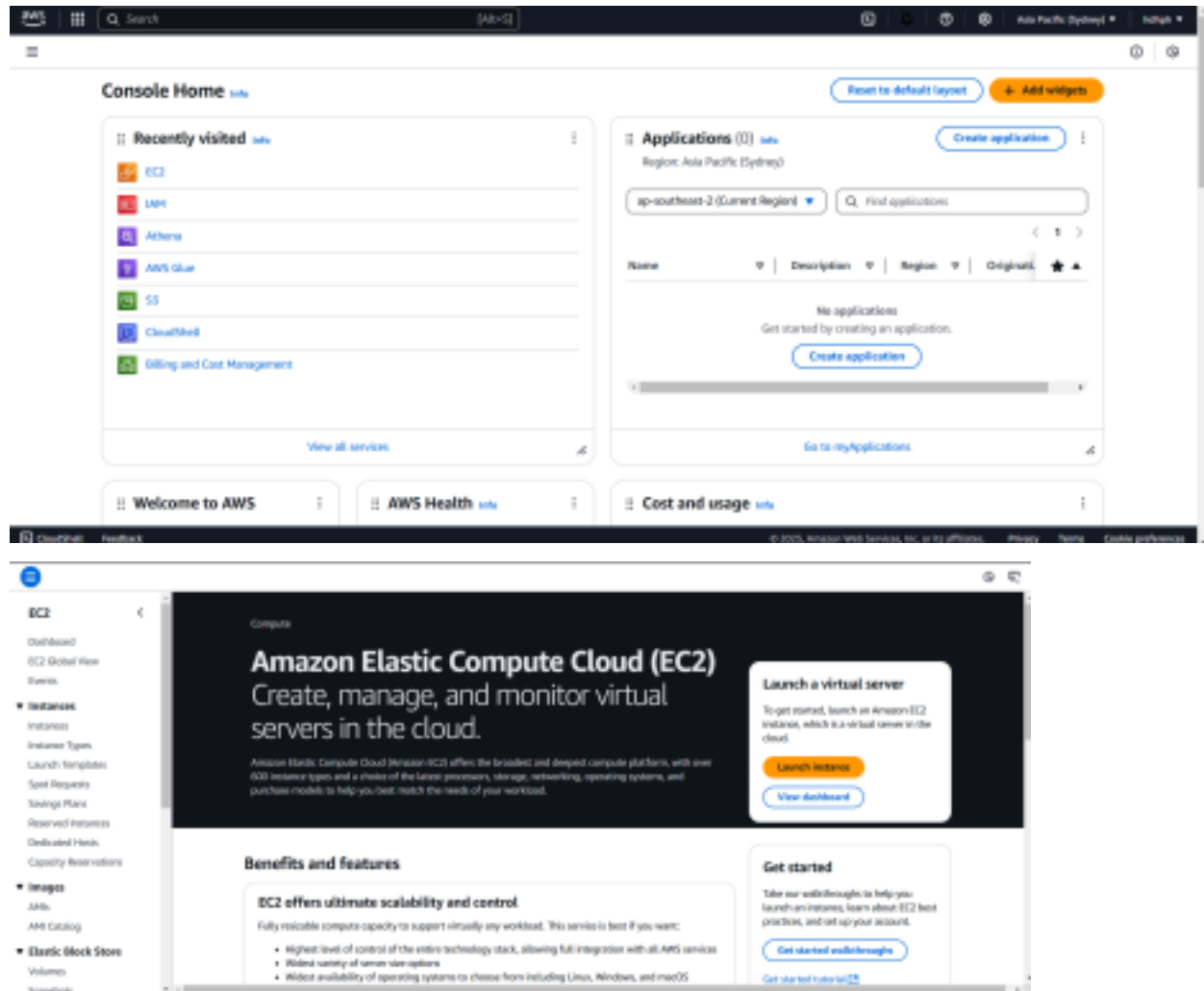
## Practical 2

(Creation of AWS Compute Ubuntu & Windows Instance and Connect it using SSH & RDP Client)

Name: Arpita Rajput  
Reg. No. 22MIP10001

# Linux Instance

## Step 1: Log in to the AWS Management Console



## Step 2: Go to the EC2 dashboard.

**Step 3:** Create your Ubuntu instance and create a key pair for your instance (demo1.Pem)

The screenshot shows the 'Launch an Instance' page in the AWS Management Console. The 'Architecture' is set to 'x86\_64 (64-bit)'. The 'AMI ID' is 'ami-0f9e145e95b631a74f9'. The 'Username' is 'ubuntu'. The 'Instance type' is 't2.micro', which is marked as 'Free tier eligible'. The 'Key pair (login)' is 'demo1'. The 'Summary' section on the right shows 'Number of instances' as 1, 'Software Image (AMI)' as 'Canonical, Ubuntu, 24.04, amd64...read more', 'Virtual server type (Instance type)' as 't2.micro', 'Firewall (Security group)' as 'New security group', and 'Storage (Volumes)' as '1 volume(s) - 8 GiB'. A note indicates 'Free tier in your first year includes 750 hours of t2.micro in the Regions in which'. The 'Launch Instance' button is highlighted in orange.

The screenshot shows a Windows PowerShell terminal window titled 'Administrator: Windows PowerShell'. The prompt is 'PS C:\Windows\system32>'. The window displays the following text: 'Windows PowerShell', 'Copyright (C) Microsoft Corporation. All rights reserved.', and 'Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows'.

**Step 4:** Open the Windows Cmd Prompt or Windows Power Shell in the Administrator Mode.

**Step 5:** Type the following command like `ssh -i "The Location of .Pem file you downloaded ec2-user@type the public address of the instance"`

```
ubuntu@ip-172-31-7-200:~$ ssh -i /home/ubuntu/.ssh/your-key.pem ec2-user@172.31.7.200
Warning: Permanently added '172.31.7.200' (ssh-rsa) to the list of known hosts.
ec2-user@ip-172-31-7-200:~$ cat /etc/os-release
NAME="Ubuntu"
VERSION="18.04.2 LTS (Bionic Beaver)"
ID=ubuntu
ID_LIKE=debian
PRETTY_NAME="Ubuntu 18.04.2 LTS"
VERSION_ID="18.04"
UBUNTU_CODENAME=bionic
DISTRIB_DESCRIPTION="Ubuntu 18.04.2 LTS"

Updated Security Notifications for Applications is not enabled.
0 updates can be installed immediately.
To enable ESM Apps to receive additional future security updates,
see https://ubuntu.com/esm or run: sudo apt install

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

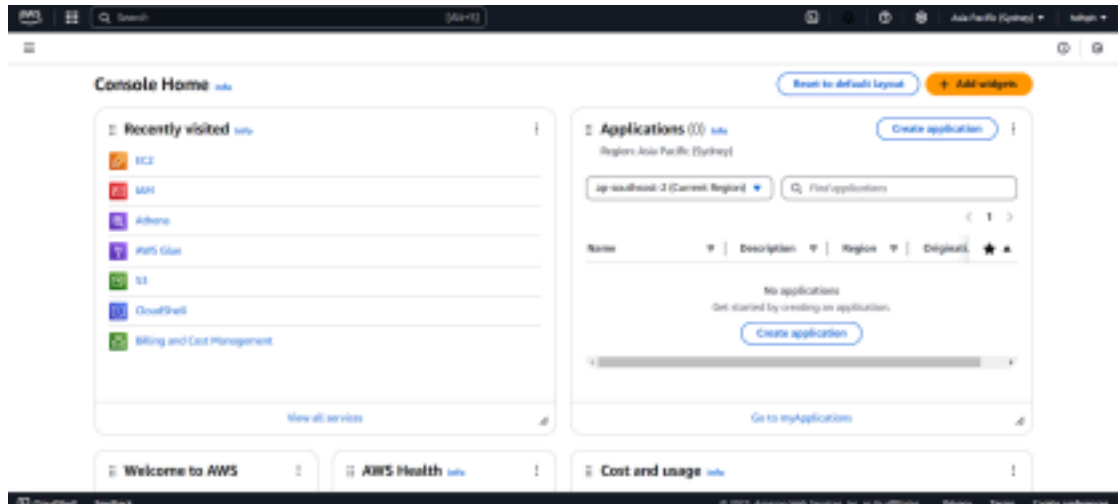
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo command".
See 'man sudo_root' for details.

ec2-user@ip-172-31-7-200:~$ sudo whoami
root
ec2-user@ip-172-31-7-200:~$
```

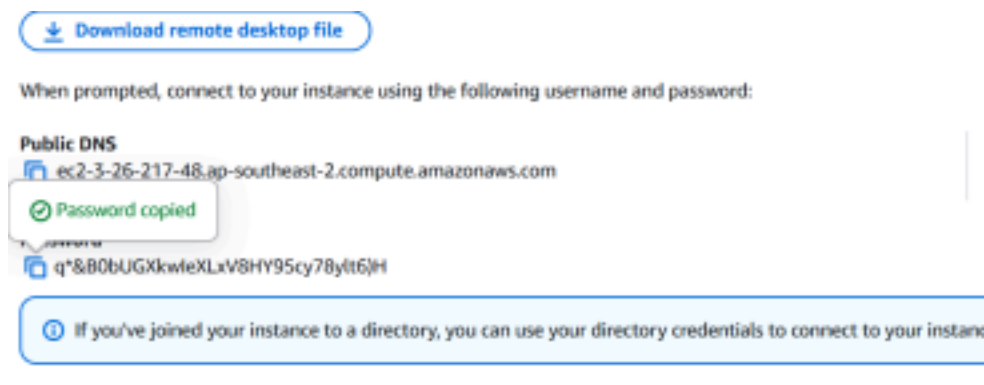
## Windows instance

**Step 1:** Sign in to the AWS Management Console



**Step 2:** Open the Amazon EC2 console

**Step 3:** Choose Connect -> RDP connection Choose Get Password, and then choose Choose File (demo2.pem) and generate one password.





**Step 4:** Download the remote desktop file (demo2.rdp).

**Step 5:** Choose Connect. You will get the windows screen of your Instance with the EC2 instance information. Remote Desktop Protocol (RDP): RDP is the go-to method for connecting to Windows instances.

