Lab3

1- Launch a jump host

Take a screen while you are ssh to the jumphost Also When you ssh from bastion to the private machine Screenshot from the console showing the instances lps

```
heba@heba-HP-ProBook-450-G4:~/Downloads$ ssh -i "heba.pem" ubuntu@ec2-44-193-203-150.compute-1.amazonaws.com
The authenticity of host 'ec2-44-193-203-150.compute-1.amazonaws.com (44.193.203.150)' can't be established.
ED25519 key ingerprint is SHA256:hh29FOnRHwtv0ZfKqOlu0ojzJZKwh1wUH/yVZXlVb9k.
This key is not known by any other names

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

Warning: Permanently added 'ec2-44-193-203-150.compute-1.amazonaws.com' (ED25519) to the list of known hosts.

Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.19.0-1025-aws x86_64)
  * Documentation: https://help.ubuntu.com

* Management: https://landscape.canonical.com

* Support: https://ubuntu.com/advantage
   System information as of Tue Jun 13 18:02:32 UTC 2023

      System load:
      0.37939453125
      Processes:
      100

      Usage of /:
      23.3% of 7.57GB
      Users logged in:
      0

      Memory usage:
      23%
      IPv4 address for eth0:
      10.0.0.19

    Swap usage:
Expanded Security Maintenance for Applications is not enabled.
54 updates can be applied immediately.
39 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable
Enable ESM Apps to receive additional future security updates. See https://ubuntu.com/esm or run: sudo pro status
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.
ubuntu@ip-10-0-0-19:~$ cd etc
```

2-

Implement the below diagram then take a screenshot while you put dns of the load balancer into the browser and it returns a response from the 2 apache instatnces

Also Screenshot from the console showing the machines BE WS have private Ips

And finally a screenshot showing the targets of the 2 loadbalancers target groups are healthy









