Creating, Configuring and Interacting with a new cloud VM using AWS

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The steps involved in Creating and configuring a free cloud VM includes the following:

Creating and configuring a free Cloud VM using AWS

1. Log into AWS console suing credentials.
2. Search EC2 and select the dashboard.
3. Click Launch Instance and configure the VM based on Free tier requirements.
4. Generate a key pair so as to login from ssh.
5. Then, after reviewing the settings, launch the instance.
6. Now, in the inbound rules' settings, only SSH is enabled. Hence, add ICMP v4 address rule such that we can ping the cloud VM.

The public IP of the VM obtained is **13.60.241.139.**

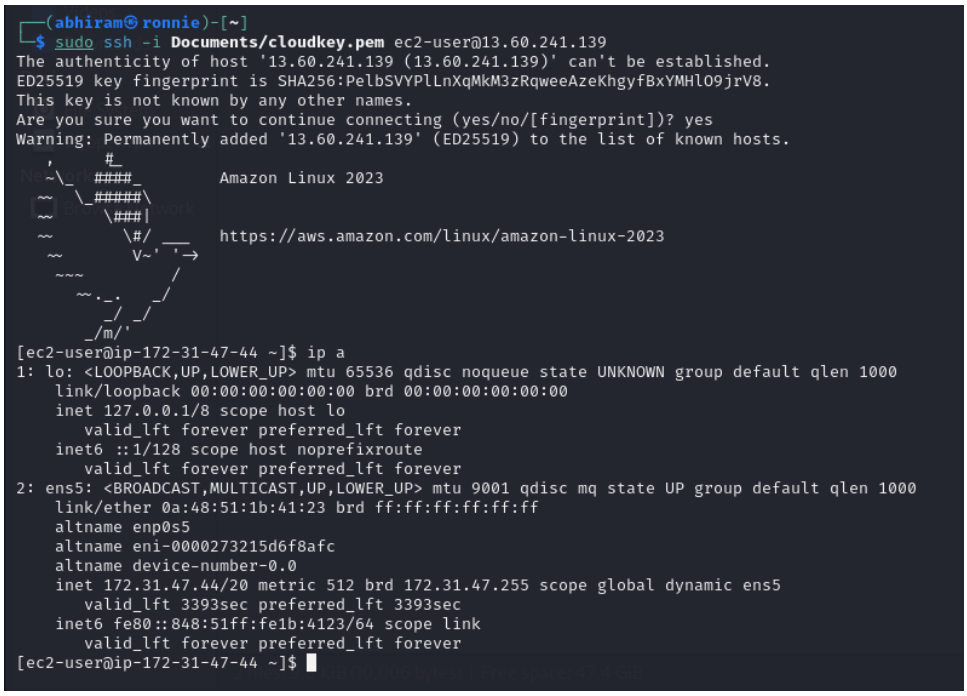
Ping Testing the VM instance

```
┌──(abhiram㉿ronnie)-[~]
└─$ ping 13.60.241.139
PING 13.60.241.139 (13.60.241.139) 56(84) bytes of data.
64 bytes from 13.60.241.139: icmp_seq=1 ttl=105 time=201 ms
64 bytes from 13.60.241.139: icmp_seq=2 ttl=105 time=190 ms
64 bytes from 13.60.241.139: icmp_seq=3 ttl=105 time=199 ms
64 bytes from 13.60.241.139: icmp_seq=4 ttl=105 time=198 ms
64 bytes from 13.60.241.139: icmp_seq=5 ttl=105 time=196 ms
^C
── 13.60.241.139 ping statistics ──
5 packets transmitted, 5 received, 0% packet loss, time 4008ms
rtt min/avg/max/mdev = 189.971/196.819/201.490/3.851 ms
```

Entering the VM instance using SSH

I was able to enter into ssh session of the VM using the following command:

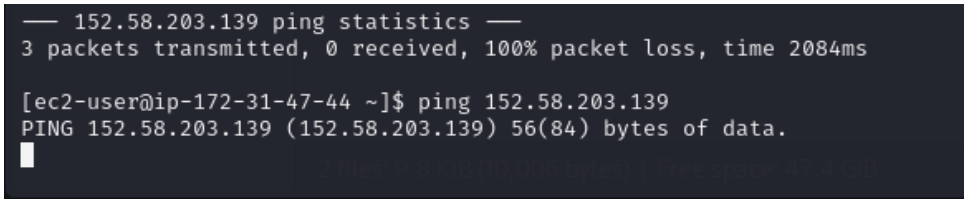
sudo ssh -i Documents/cloudkey.pem ec2-user@13.60.241.139



Ip a command was also executed which displayed its private IPv4 and v6 addresses.

Ping Testing my public IP from VM instance

I was unable to ping my public IP. After I researched, and I found that there are certain limitations imposed by the ISP blocking the ICMP or ping packets.



After successfully interacting with the cloud VM, I successfully terminated the VM from the EC2 dashboard to ensure that it no longer incurs any charges.