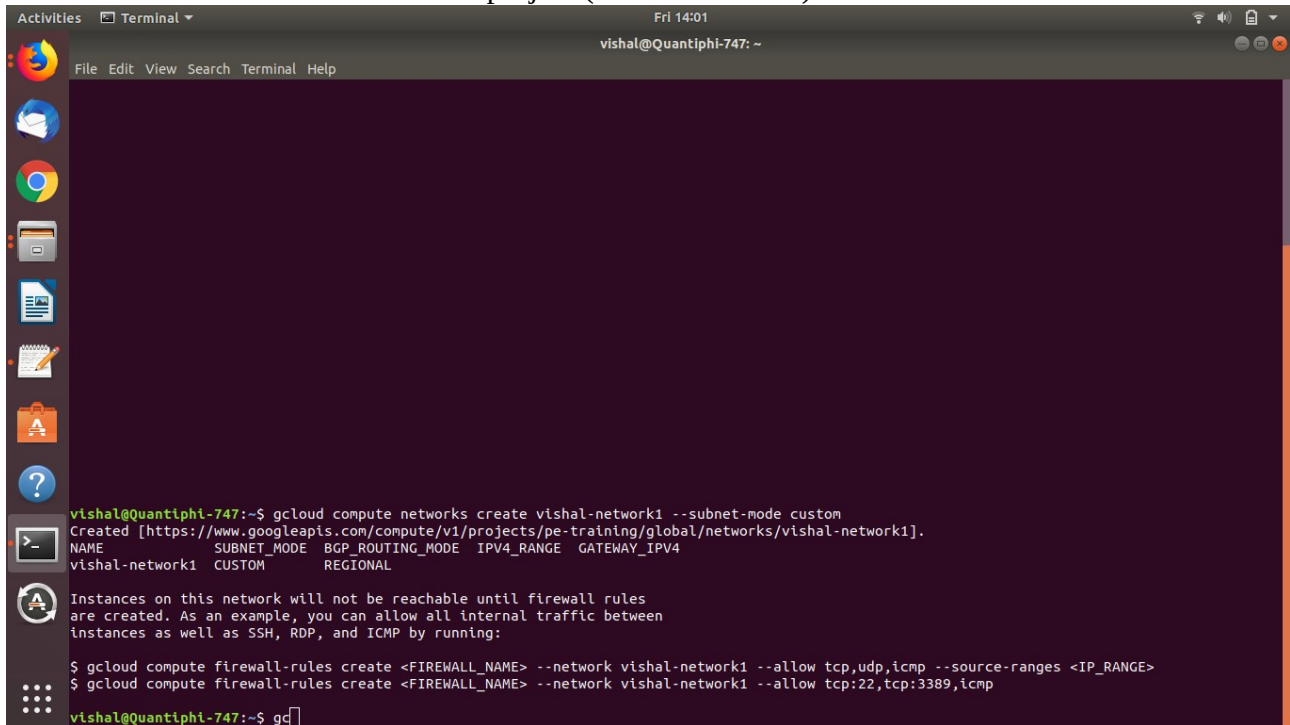


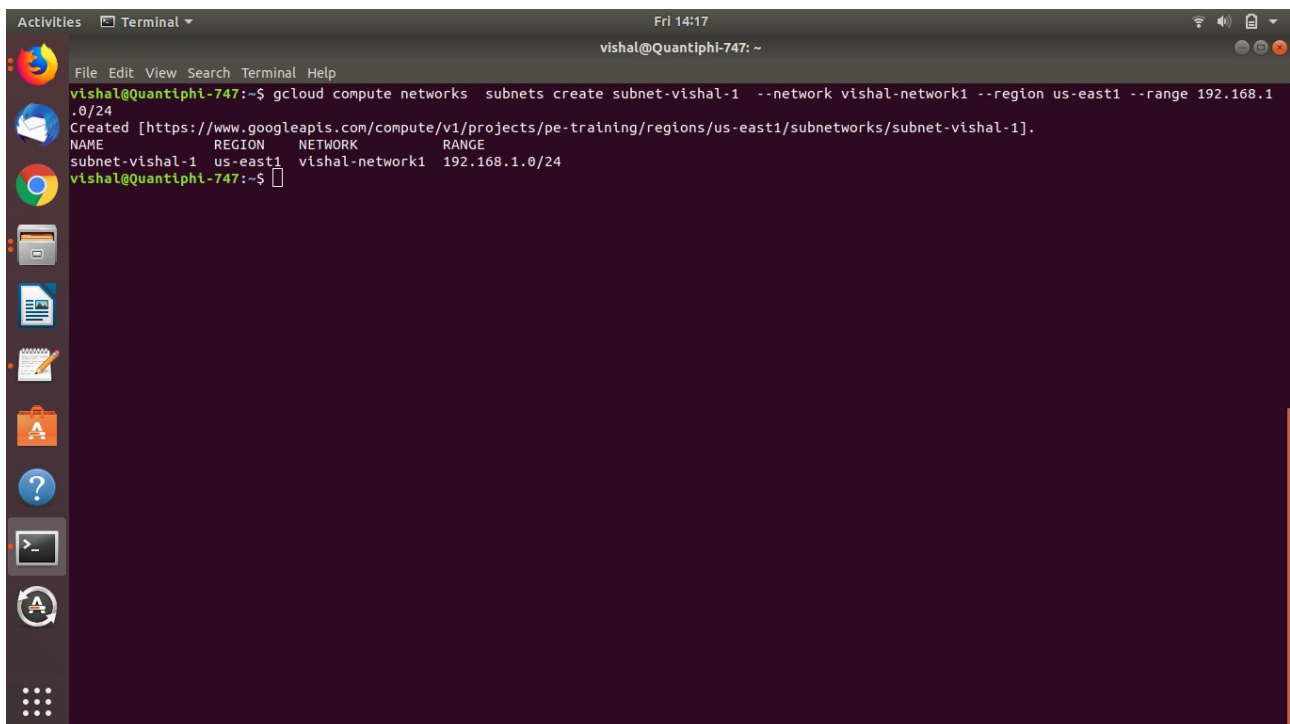
Create a custom VPC network in our project (vishal-network1)



A terminal window titled 'vishal@Quantiphi-747: ~' showing the execution of Google Cloud CLI commands to create a custom VPC network. The terminal output includes the command to create the network, the resulting table of network details, and instructions on how to create firewall rules for the network.

```
vishal@Quantiphi-747:~$ gcloud compute networks create vishal-network1 --subnet-mode custom
Created [https://www.googleapis.com/compute/v1/projects/pe-training/global/networks/vishal-network1].
NAME      SUBNET_MODE  BGP_ROUTING_MODE  IPV4_RANGE  GATEWAY_IPV4
vishal-network1  CUSTOM      REGIONAL
Instances on this network will not be reachable until firewall rules
are created. As an example, you can allow all internal traffic between
instances as well as SSH, RDP, and ICMP by running:
$ gcloud compute firewall-rules create <FIREWALL_NAME> --network vishal-network1 --allow tcp,udp,icmp --source-ranges <IP_RANGE>
$ gcloud compute firewall-rules create <FIREWALL_NAME> --network vishal-network1 --allow tcp:22,tcp:3389,icmp
vishal@Quantiphi-747:~$ gcloud
```

Creating a subnet in your network by assigning range, 192.168.1.0/24 to region us-east1 (subnet-vishal-1)



A terminal window titled 'vishal@Quantiphi-747: ~' showing the execution of Google Cloud CLI commands to create a subnet. The terminal output includes the command to create the subnet, the resulting table of subnet details, and the prompt for the next command.

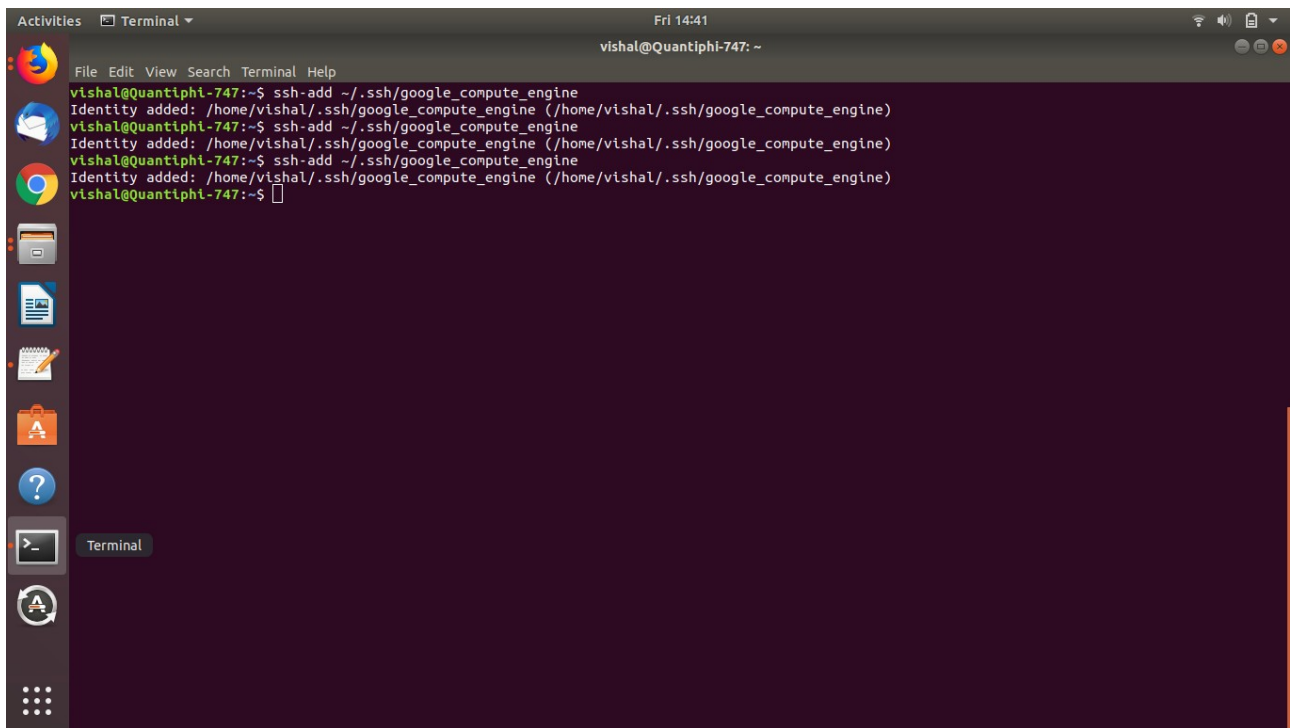
```
vishal@Quantiphi-747:~$ gcloud compute networks subnets create subnet-vishal-1 --network vishal-network1 --region us-east1 --range 192.168.1.0/24
Created [https://www.googleapis.com/compute/v1/projects/pe-training/regions/us-east1/subnetworks/subnet-vishal-1].
NAME      REGION  NETWORK      RANGE
subnet-vishal-1  us-east1  vishal-network1  192.168.1.0/24
vishal@Quantiphi-747:~$
```

```
Activities Terminal Fri 14:29
vishal@Quantiphi-747: ~
vishal@Quantiphi-747:~$ gcloud compute instances create vishal-bastion --image-family debian-9 --image-project debian-cloud --network vishal-network1 --subnet subnet-vishal-1 --zone us-east1-b
Created [https://www.googleapis.com/compute/v1/projects/pe-training/zones/us-east1-b/instances/vishal-bastion].
NAME          ZONE     MACHINE_TYPE  PREEMPTIBLE  INTERNAL_IP  EXTERNAL_IP  STATUS
vishal-bastion us-east1-b  n1-standard-1          192.168.1.2  35.237.19.0  RUNNING
vishal@Quantiphi-747:~$ gcloud compute instances create nat-test-vishal --image-family debian-9 --image-project debian-cloud --network vishal-network1 --subnet subnet-vishal-1 --zone us-east1-b --no-address
Created [https://www.googleapis.com/compute/v1/projects/pe-training/zones/us-east1-b/instances/nat-test-vishal].
NAME          ZONE     MACHINE_TYPE  PREEMPTIBLE  INTERNAL_IP  EXTERNAL_IP  STATUS
nat-test-vishal us-east1-b  n1-standard-1          192.168.1.3                                RUNNING
vishal@Quantiphi-747:~$
```

Above, creating bastion host (vishal-bastion) in our network's subnet. Also, creating a VM instance with no external IP address (nat-test-vishal). This nat-test-vishal instance will help us to test Cloud NAT.

Below, we create a firewall rule (firewall-vishal) that allow SSH connections to our network.

```
Activities Terminal Fri 14:39
vishal@Quantiphi-747: ~
vishal@Quantiphi-747:~$ gcloud compute firewall-rules create allow-ssh --network vishal-network1 --allow tcp:22
Creating firewall...failed.
ERROR: (gcloud.compute.firewall-rules.create) Could not fetch resource:
- The resource 'projects/pe-training/global/firewalls/allow-ssh' already exists
vishal@Quantiphi-747:~$ gcloud compute firewall-vishal create allow-ssh --network vishal-network1 --allow tcp:22
ERROR: (gcloud.compute) Invalid choice: 'firewall-vishal'.
Maybe you meant:
  gcloud compute
To search the help text of gcloud commands, run:
  gcloud help -- SEARCH_TERMS
vishal@Quantiphi-747:~$ gcloud compute firewall-rules create vishal-ssh --network vishal-network1 --allow tcp:22
Creating firewall...Created [https://www.googleapis.com/compute/v1/projects/pe-training/global/firewalls/vishal-ssh].
Creating firewall...done.
NAME          NETWORK     DIRECTION  PRIORITY  ALLOW  DENY  DISABLED
vishal-ssh    vishal-network1  INGRESS    1000      tcp:22  False
vishal@Quantiphi-747:~$
```

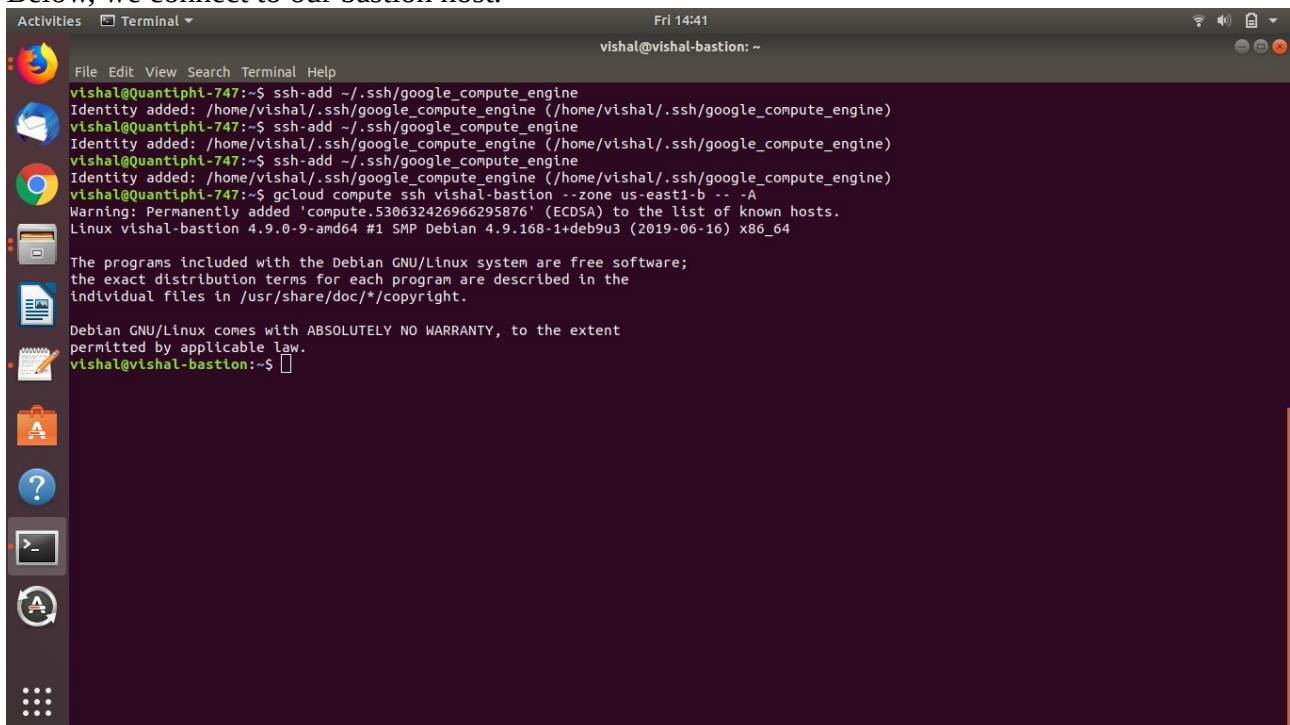


A terminal window titled 'vishal@Quantiphi-747: ~' showing the process of adding an SSH key. The user runs the command `ssh-add ~/.ssh/google_compute_engine` four times. Each time, the output is 'Identity added: /home/vishal/.ssh/google_compute_engine (/home/vishal/.ssh/google_compute_engine)'. The terminal window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The left sidebar shows various application icons, and the bottom status bar indicates 'Terminal'.

```
File Edit View Search Terminal Help
vishal@Quantiphi-747:~$ ssh-add ~/.ssh/google_compute_engine
Identity added: /home/vishal/.ssh/google_compute_engine (/home/vishal/.ssh/google_compute_engine)
vishal@Quantiphi-747:~$ ssh-add ~/.ssh/google_compute_engine
Identity added: /home/vishal/.ssh/google_compute_engine (/home/vishal/.ssh/google_compute_engine)
vishal@Quantiphi-747:~$ ssh-add ~/.ssh/google_compute_engine
Identity added: /home/vishal/.ssh/google_compute_engine (/home/vishal/.ssh/google_compute_engine)
vishal@Quantiphi-747:~$
```

Above, we are adding a compute engine SSH key to our local host.

Below, we connect to our bastion host.



A terminal window titled 'vishal@vishal-bastion: ~' showing the process of connecting to a bastion host. The user runs the command `ssh-add ~/.ssh/google_compute_engine` four times, with the same output as the previous terminal. Then, the user runs `gcloud compute ssh vishal-bastion --zone us-east1-b -- -A`. The output shows a warning about permanently adding the host to the list of known hosts, followed by system information: 'Linux vishal-bastion 4.9.0-9-amd64 #1 SMP Debian 4.9.168-1+deb9u3 (2019-06-16) x86_64'. The terminal window also displays the Debian GNU/Linux warranty notice. The terminal window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The left sidebar shows various application icons, and the bottom status bar indicates 'Terminal'.

```
File Edit View Search Terminal Help
vishal@Quantiphi-747:~$ ssh-add ~/.ssh/google_compute_engine
Identity added: /home/vishal/.ssh/google_compute_engine (/home/vishal/.ssh/google_compute_engine)
vishal@Quantiphi-747:~$ ssh-add ~/.ssh/google_compute_engine
Identity added: /home/vishal/.ssh/google_compute_engine (/home/vishal/.ssh/google_compute_engine)
vishal@Quantiphi-747:~$ ssh-add ~/.ssh/google_compute_engine
Identity added: /home/vishal/.ssh/google_compute_engine (/home/vishal/.ssh/google_compute_engine)
vishal@Quantiphi-747:~$ gcloud compute ssh vishal-bastion --zone us-east1-b -- -A
Warning: Permanently added 'compute.530632426966295876' (ECDSA) to the list of known hosts.
Linux vishal-bastion 4.9.0-9-amd64 #1 SMP Debian 4.9.168-1+deb9u3 (2019-06-16) x86_64

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

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
vishal@vishal-bastion:~$
```

```
Activities Terminal Fri 14:42
vishal@nat-test-vishal: ~

vishal@quantphi-747:~$ ssh-add ~/.ssh/google_compute_engine
Identity added: /home/vishal/.ssh/google_compute_engine (/home/vishal/.ssh/google_compute_engine)
vishal@quantphi-747:~$ ssh-add ~/.ssh/google_compute_engine
Identity added: /home/vishal/.ssh/google_compute_engine (/home/vishal/.ssh/google_compute_engine)
vishal@quantphi-747:~$ ssh-add ~/.ssh/google_compute_engine
Identity added: /home/vishal/.ssh/google_compute_engine (/home/vishal/.ssh/google_compute_engine)
vishal@quantphi-747:~$ gcloud compute ssh vishal-bastion --zone us-east1-b -- -A
Warning: Permanently added 'compute.530632426966295876' (ECDSA) to the list of known hosts.
Linux vishal-bastion 4.9.0-9-amd64 #1 SMP Debian 4.9.168-1+deb9u3 (2019-06-16) x86_64

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

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
vishal@vishal-bastion:~$ ssh nat-test-vishal -A
The authenticity of host 'nat-test-vishal (192.168.1.3)' can't be established.
ECDSA key fingerprint is SHA256:aEEu+WOVWVv+QwXMBsDgDQF2qceGSQ8wM/PD5P5dvkM.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'nat-test-vishal,192.168.1.3' (ECDSA) to the list of known hosts.
Linux nat-test-vishal 4.9.0-9-amd64 #1 SMP Debian 4.9.168-1+deb9u3 (2019-06-16) x86_64

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

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
vishal@nat-test-vishal:~$
```

Above. From our bastion host, we are connecting to our nat-test-vishal.

Below, we are attempting to connect to Internet by pinging Google.

```
Activities Terminal Fri 14:43
vishal@nat-test-vishal: ~

vishal@quantphi-747:~$ ssh-add ~/.ssh/google_compute_engine
Identity added: /home/vishal/.ssh/google_compute_engine (/home/vishal/.ssh/google_compute_engine)
vishal@quantphi-747:~$ ssh-add ~/.ssh/google_compute_engine
Identity added: /home/vishal/.ssh/google_compute_engine (/home/vishal/.ssh/google_compute_engine)
vishal@quantphi-747:~$ ssh-add ~/.ssh/google_compute_engine
Identity added: /home/vishal/.ssh/google_compute_engine (/home/vishal/.ssh/google_compute_engine)
vishal@quantphi-747:~$ gcloud compute ssh vishal-bastion --zone us-east1-b -- -A
Warning: Permanently added 'compute.530632426966295876' (ECDSA) to the list of known hosts.
Linux vishal-bastion 4.9.0-9-amd64 #1 SMP Debian 4.9.168-1+deb9u3 (2019-06-16) x86_64

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

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
vishal@vishal-bastion:~$ ssh nat-test-vishal -A
The authenticity of host 'nat-test-vishal (192.168.1.3)' can't be established.
ECDSA key fingerprint is SHA256:aEEu+WOVWVv+QwXMBsDgDQF2qceGSQ8wM/PD5P5dvkM.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'nat-test-vishal,192.168.1.3' (ECDSA) to the list of known hosts.
Linux nat-test-vishal 4.9.0-9-amd64 #1 SMP Debian 4.9.168-1+deb9u3 (2019-06-16) x86_64

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

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
vishal@nat-test-vishal:~$ ping google.com
PING google.com (173.194.215.102) 56(84) bytes of data.

```

```
Activities Terminal Fri 14:43
vishal@nat-test-vishal: ~

vishal@Quantiphi-747:~$ ssh-add ~/.ssh/google_compute_engine
Identity added: /home/vishal/.ssh/google_compute_engine (/home/vishal/.ssh/google_compute_engine)
vishal@Quantiphi-747:~$ ssh-add ~/.ssh/google_compute_engine
Identity added: /home/vishal/.ssh/google_compute_engine (/home/vishal/.ssh/google_compute_engine)
vishal@Quantiphi-747:~$ ssh-add ~/.ssh/google_compute_engine
Identity added: /home/vishal/.ssh/google_compute_engine (/home/vishal/.ssh/google_compute_engine)
vishal@Quantiphi-747:~$ gcloud compute ssh vishal-bastion --zone us-east1-b -- -A
Warning: Permanently added 'compute.530632426966295876' (ECDSA) to the list of known hosts.
Linux vishal-bastion 4.9.0-9-amd64 #1 SMP Debian 4.9.168-1+deb9u3 (2019-06-16) x86_64

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

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
vishal@vishal-bastion:~$ ssh nat-test-vishal -A
The authenticity of host 'nat-test-vishal (192.168.1.3)' can't be established.
ECDSA key fingerprint is SHA256:aEEu+WOVWVv+QwXMBsDgDQF2qceGSQ8wM/PD5P5dvkM.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'nat-test-vishal,192.168.1.3' (ECDSA) to the list of known hosts.
Linux nat-test-vishal 4.9.0-9-amd64 #1 SMP Debian 4.9.168-1+deb9u3 (2019-06-16) x86_64

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

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
vishal@nat-test-vishal:~$ ping google.com
PING google.com (173.194.215.102) 56(84) bytes of data.
^C
--- google.com ping statistics ---
11 packets transmitted, 0 received, 100% packet loss, time 10236ms

vishal@nat-test-vishal:~$
```

As you can see above, we are unable to ping Google.

Below, we are exiting from the machines we have logged in (nat-test-vishal).

```
Activities Terminal Fri 14:44
vishal@Quantiphi-747: ~

vishal@Quantiphi-747:~$ ssh-add ~/.ssh/google_compute_engine
Identity added: /home/vishal/.ssh/google_compute_engine (/home/vishal/.ssh/google_compute_engine)
vishal@Quantiphi-747:~$ gcloud compute ssh vishal-bastion --zone us-east1-b -- -A
Warning: Permanently added 'compute.530632426966295876' (ECDSA) to the list of known hosts.
Linux vishal-bastion 4.9.0-9-amd64 #1 SMP Debian 4.9.168-1+deb9u3 (2019-06-16) x86_64

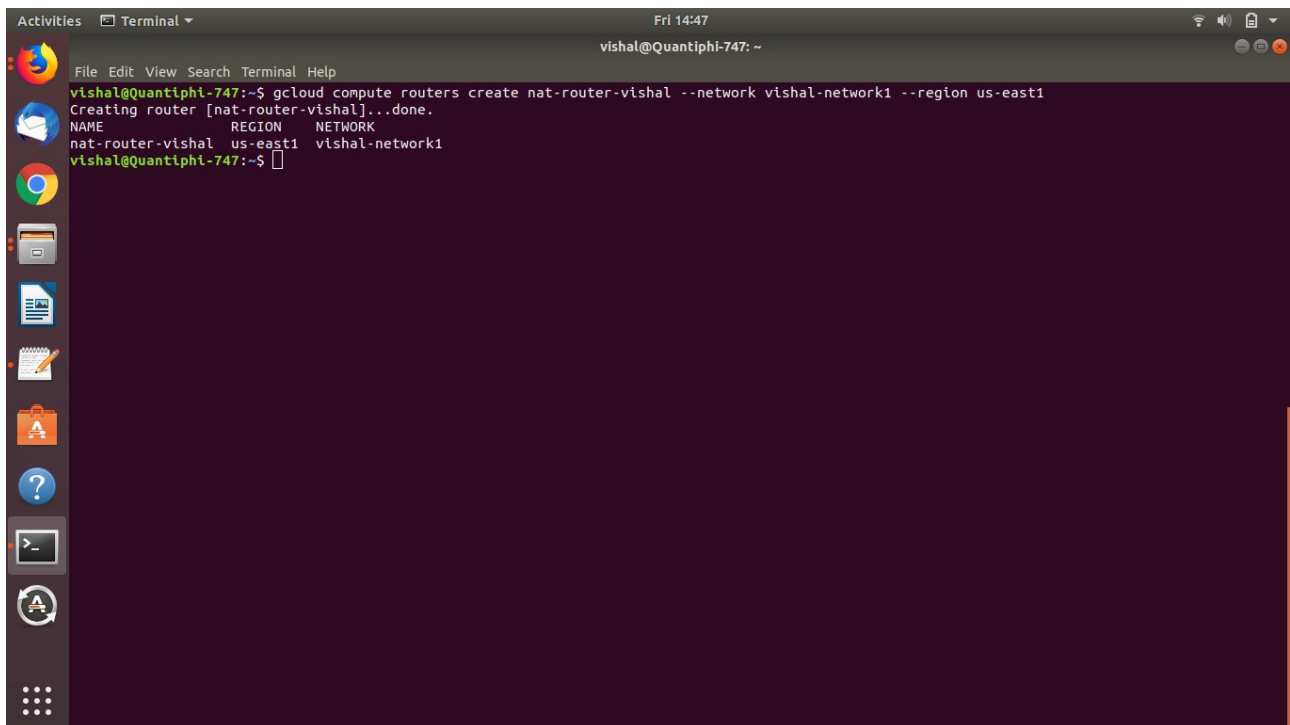
The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
vishal@vishal-bastion:~$ ssh nat-test-vishal -A
The authenticity of host 'nat-test-vishal (192.168.1.3)' can't be established.
ECDSA key fingerprint is SHA256:aEEu+WOVWVv+QwXMBsDgDQF2qceGSQ8wM/PD5P5dvkM.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'nat-test-vishal,192.168.1.3' (ECDSA) to the list of known hosts.
Linux nat-test-vishal 4.9.0-9-amd64 #1 SMP Debian 4.9.168-1+deb9u3 (2019-06-16) x86_64

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

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
vishal@nat-test-vishal:~$ ping google.com
PING google.com (173.194.215.102) 56(84) bytes of data.
^C
--- google.com ping statistics ---
11 packets transmitted, 0 received, 100% packet loss, time 10236ms

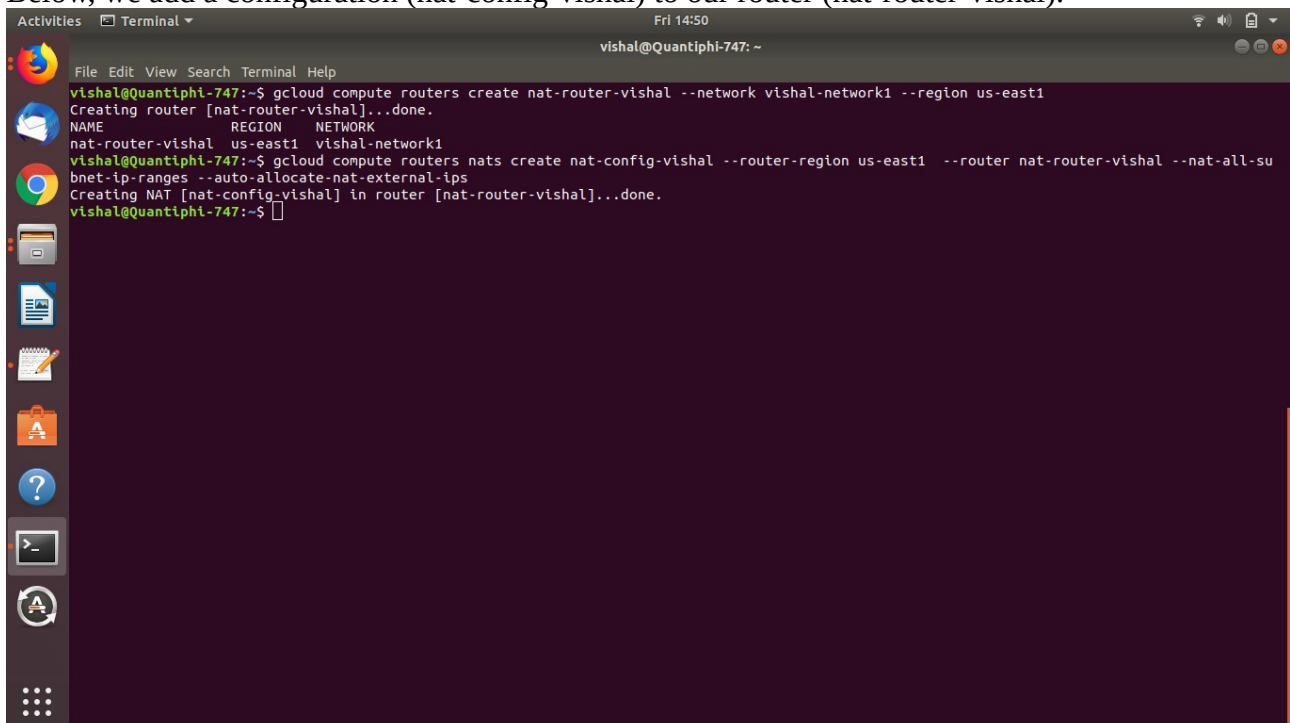
vishal@nat-test-vishal:~$ exit
logout
Connection to nat-test-vishal closed.
vishal@vishal-bastion:~$ exit
logout
Connection to 35.237.19.0 closed.
vishal@Quantiphi-747:~$
```

A terminal window titled 'vishal@Quantiphi-747: ~' with a menu bar (File, Edit, View, Search, Terminal, Help) and a sidebar with application icons. The terminal shows the command 'gcloud compute routers create nat-router-vishal --network vishal-network1 --region us-east1' being executed. The output indicates the router was created successfully and displays a table with the router's details.

```
vishal@Quantiphi-747:~$ gcloud compute routers create nat-router-vishal --network vishal-network1 --region us-east1
Creating router [nat-router-vishal]...done.
NAME          REGION    NETWORK
nat-router-vishal  us-east1  vishal-network1
vishal@Quantiphi-747:~$
```

Above, creating a cloud router (nat-router-vishal) in our vpc (vishal-network1) .

Below, we add a configuration (nat-config-vishal) to our router (nat-router-vishal).

A terminal window titled 'vishal@Quantiphi-747: ~' with a menu bar (File, Edit, View, Search, Terminal, Help) and a sidebar with application icons. The terminal shows two commands being executed. The first command creates the router, and the second command creates a NAT configuration for that router. The output indicates both operations were successful.

```
vishal@Quantiphi-747:~$ gcloud compute routers create nat-router-vishal --network vishal-network1 --region us-east1
Creating router [nat-router-vishal]...done.
NAME          REGION    NETWORK
nat-router-vishal  us-east1  vishal-network1
vishal@Quantiphi-747:~$ gcloud compute routers nats create nat-config-vishal --router-region us-east1 --router nat-router-vishal --nat-all-subnet-ip-ranges --auto-allocate-nat-external-ips
Creating NAT [nat-config-vishal] in router [nat-router-vishal]...done.
vishal@Quantiphi-747:~$
```



```
Activities Terminal Fri 14:50 vishal@Quantiphi-747: ~  
File Edit View Search Terminal Help  
vishal@Quantiphi-747:~$ gcloud compute routers create nat-router-vishal --network vishal-network1 --region us-east1  
Creating router [nat-router-vishal]...done.  
NAME REGION NETWORK  
nat-router-vishal us-east1 vishal-network1  
vishal@Quantiphi-747:~$ gcloud compute routers nats create nat-config-vishal --router-region us-east1 --router nat-router-vishal --nat-all-subnet-ip-ranges --auto-allocate-nat-external-ips  
Creating NAT [nat-config-vishal] in router [nat-router-vishal]...done.  
vishal@Quantiphi-747:~$ ping google.com  
PING google.com (216.58.203.142) 56(84) bytes of data.  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=1 ttl=52 time=5.90 ms  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=2 ttl=52 time=9.39 ms  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=3 ttl=52 time=23.7 ms  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=4 ttl=52 time=7.55 ms  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=5 ttl=52 time=7.39 ms  
^C
```

Now, when we are trying to connect to Internet, we are able to do so.

```
Activities Terminal Fri 14:50 vishal@Quantiphi-747: ~  
File Edit View Search Terminal Help  
vishal@Quantiphi-747:~$ gcloud compute routers create nat-router-vishal --network vishal-network1 --region us-east1  
Creating router [nat-router-vishal]...done.  
NAME REGION NETWORK  
nat-router-vishal us-east1 vishal-network1  
vishal@Quantiphi-747:~$ gcloud compute routers nats create nat-config-vishal --router-region us-east1 --router nat-router-vishal --nat-all-subnet-ip-ranges --auto-allocate-nat-external-ips  
Creating NAT [nat-config-vishal] in router [nat-router-vishal]...done.  
vishal@Quantiphi-747:~$ ping google.com  
PING google.com (216.58.203.142) 56(84) bytes of data.  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=1 ttl=52 time=5.90 ms  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=2 ttl=52 time=9.39 ms  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=3 ttl=52 time=23.7 ms  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=4 ttl=52 time=7.55 ms  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=5 ttl=52 time=7.39 ms  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=6 ttl=52 time=7.41 ms  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=7 ttl=52 time=7.38 ms  
^C
```

```
Activities Terminal Fri 14:51 vishal@Quantiphi-747: ~  
File Edit View Search Terminal Help  
vishal@Quantiphi-747:~$ gcloud compute routers create nat-router-vishal --network vishal-network1 --region us-east1  
Creating router [nat-router-vishal]...done.  
NAME REGION NETWORK  
nat-router-vishal us-east1 vishal-network1  
vishal@Quantiphi-747:~$ gcloud compute routers nats create nat-config-vishal --router-region us-east1 --router nat-router-vishal --nat-all-subnet-ip-ranges --auto-allocate-nat-external-ips  
Creating NAT [nat-config-vishal] in router [nat-router-vishal]...done.  
vishal@Quantiphi-747:~$ ping google.com  
PING google.com (216.58.203.142) 56(84) bytes of data:  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=1 ttl=52 time=5.90 ms  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=2 ttl=52 time=9.39 ms  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=3 ttl=52 time=23.7 ms  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=4 ttl=52 time=7.55 ms  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=5 ttl=52 time=7.39 ms  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=6 ttl=52 time=7.41 ms  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=7 ttl=52 time=7.38 ms  
64 bytes from bom05s10-in-f14.1e100.net (216.58.203.142): icmp_seq=8 ttl=52 time=9.77 ms  
^C  
--- google.com ping statistics ---  
8 packets transmitted, 8 received, 0% packet loss, time 7013ms  
rtt min/avg/max/mdev = 5.908/9.826/23.795/5.403 ms  
vishal@Quantiphi-747:~$ curl google.com  
<HTML><HEAD><meta http-equiv="content-type" content="text/html; charset=utf-8">  
<TITLE>301 Moved</TITLE></HEAD><BODY>  
<H1>301 Moved</H1>  
The document has moved  
<A HREF="http://www.google.com/">here</A>.  
</BODY></HTML>  
vishal@Quantiphi-747:~$
```